Addendum to the Environmental Impact Report for the Apple Valley 2009 General Plan and Annexation 2008-001

Town of Apple Valley Project No. 2018-001

State Clearinghouse No. 2008091077

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I. INTRODUCTION AND PROJECT BACKGROUND

A. Summary

This document is an Addendum to the Town of Apple Valley's 2009 General Plan Environmental Impact Report (EIR). The Addendum has been prepared to evaluate the potential environmental impacts of an amendment to Annexation 2008-001, also known as the Golden Triangle, for lands currently under the jurisdiction of San Bernardino County. Annexation 2008-001 was undertaken for an area larger than the currently proposed Annexation 2018-001 (please see Section I.C., Project History and Current Proposal).

In this document, Section I provides the detailed description of the Town of Apple Valley's planning procedures and environmental review process under the California Environmental Quality Act (CEQA). Section II describes proposed amendments to Annexation 2008-001, referred to herein as the 2018-001 Annexation. Section III describes the potential environmental impacts of the proposed 2018-001 Annexation in the context of the 2009 General Plan EIR.

B. Project Location

The 2018-001 Annexation consists of 1,304± acres located immediately west of the current Town limits, along U.S. Interstate 15 (I-15). The annexation area is bounded by the Town's corporate limits on the south, east and north. It is within the Town's Sphere of Influence, as defined by the Local Agency Formation Commission (LAFCO). Regional location and project vicinity maps are provided in Exhibits 1 through 3.

C. Project History and Current Proposal

The Apple Valley 2009 General Plan EIR included analysis of Annexation 2008-001, which was comprised of approximately 2,774.6 acres of land currently under the jurisdiction of San Bernardino County, and located immediately west of the current Town limits, along U.S. Interstate 15 (I-15) (Exhibit 4). The EIR, including Annexation 2008-001, was certified on April 27, 2010.

In the 2009 General Plan EIR, the proposed annexation was fully analyzed as Annexation 2008-001 which had the potential to result in as much as 7,135,369 square feet of commercial space, 7,782,275 square feet of industrial space, and a total of 4,236 residential units at build out under the 2009 General Plan EIR.

In 2017, the Town proposed revisions to the annexation boundaries resulting in a reduction in total acreage, buildout square footage, and units. The 2018-001 Annexation is wholly comprised of undeveloped lands. The 2018-001 Annexation area consists of 1,304 acres and has the potential to result in 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units at build out.

The remaining 1,470± acres of Annexation 2008-001 area will remain part of the County, and are referred as "Remaining County Lands" in this document. The remaining County lands have the potential to result in 75,899 square feet of commercial space and a total of 218 residential units at build out.

This Addendum evaluates whether the proposed modifications to Annexation 2008-001 (which would substantially *reduce* the acreage proposed for annexation) would result in new or substantially more significant environmental impacts compared to the impacts described in the certified EIR.

D. Purpose of an EIR Addendum

In accordance with CEQA Guidelines Section 15164, a Lead Agency is required to prepare an EIR Addendum to a previously certified EIR if some changes or additions to a project are necessary, but the proposed project modifications do not require preparation of a subsequent EIR, as provided in Guidelines Section 15162. In addition, the proposed modifications cannot result in new or substantially more significant environmental impacts compared with the impacts disclosed in the previously certified EIR.

CEQA Guidelines Section 15162 states that a subsequent EIR would be required for a project if any of the following conditions exist:

1. Substantial changes to the project require major revisions to the previously certified EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects;

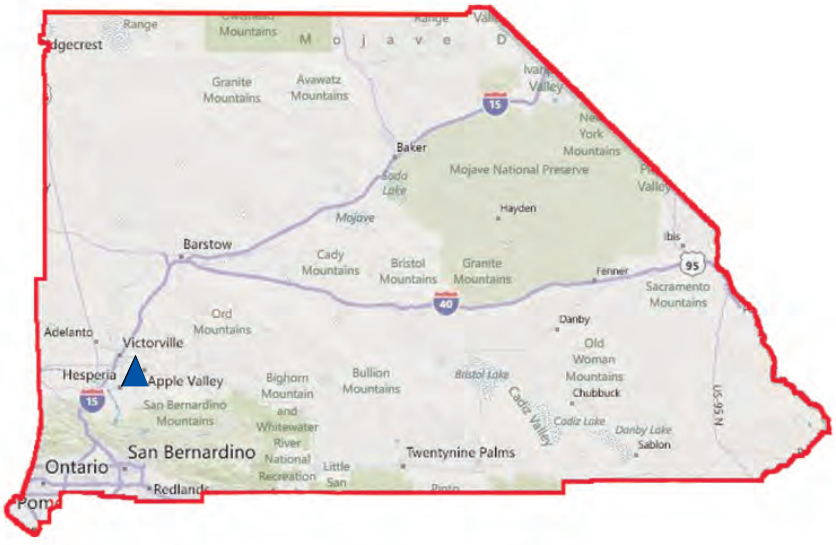
2. Substantial changes occur with respect to the circumstances under which the project is undertaken that require major revisions to the previously certified EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects; or

3. The availability of new information of substantial importance, which was not known or could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified, shows that the project will have one or more significant effects not discussed in the previous EIR, significant effects previously examined will be substantially more severe than shown in the previous EIR, or mitigation measures or alternatives that were previously found not to be feasible or that are considerably different from those analyzed in the previously certified EIR would substantially reduce one or more significant effects on the environment, but the project proponent declines to adopt the mitigation measure or alternative.

Based on the evaluation of information provided in this EIR Addendum, no new significant impacts would occur as a result of the proposed 2018-001 Annexation, nor would there be any substantial increase in the severity of any previously identified adverse environmental impacts.

Therefore, none of the conditions described in Section 15162 of the CEQA Guidelines has occurred. For this reason, an EIR addendum is the appropriate document to comply with CEQA requirements for the proposed project.





SAN BERNARDINO COUNTY

08.22.17

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Regional Location Map
Apple Valley, California

Exhibit

1

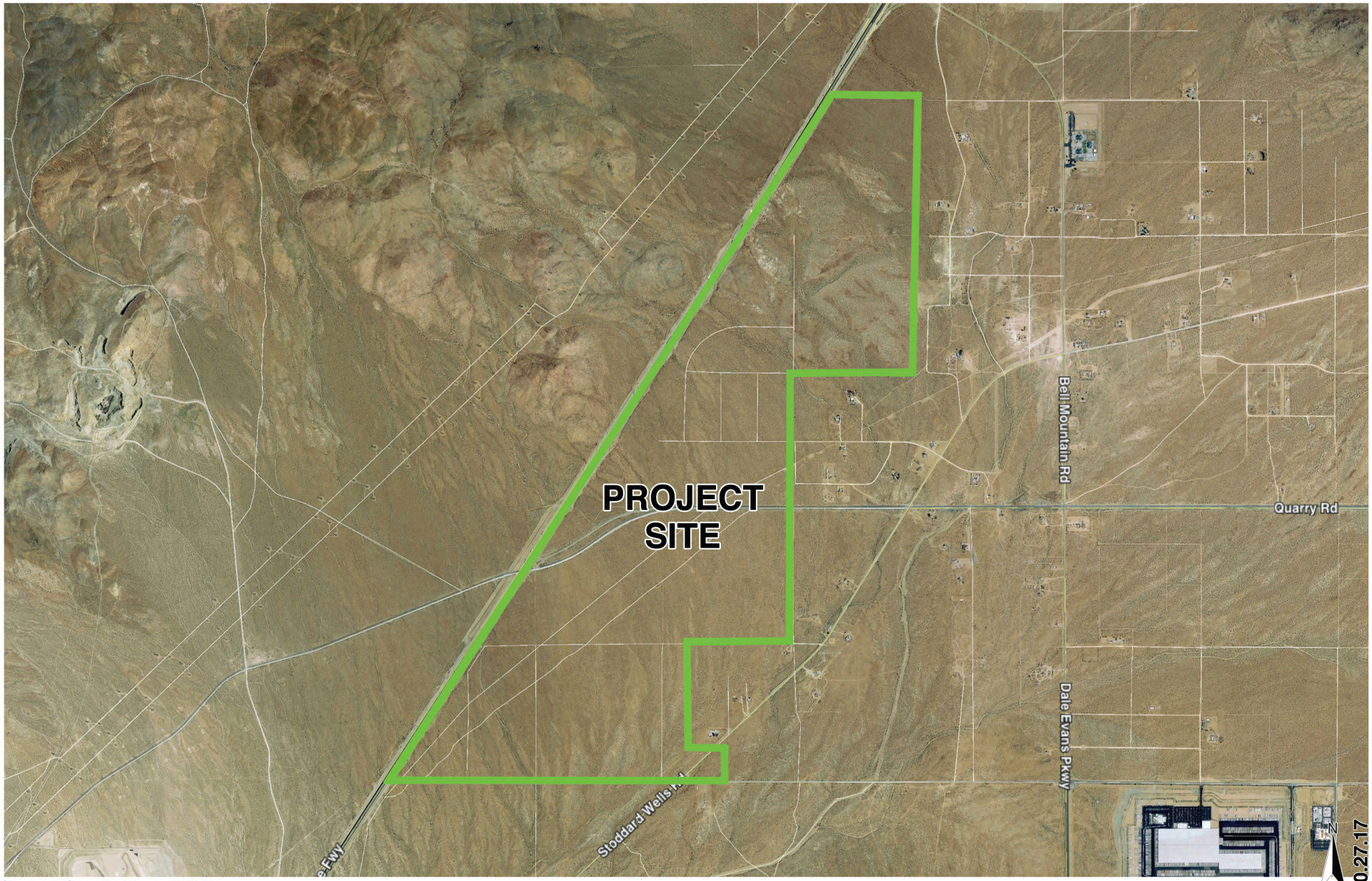


Source: Google Maps, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Vicinity Map
Apple Valley, California

Exhibit
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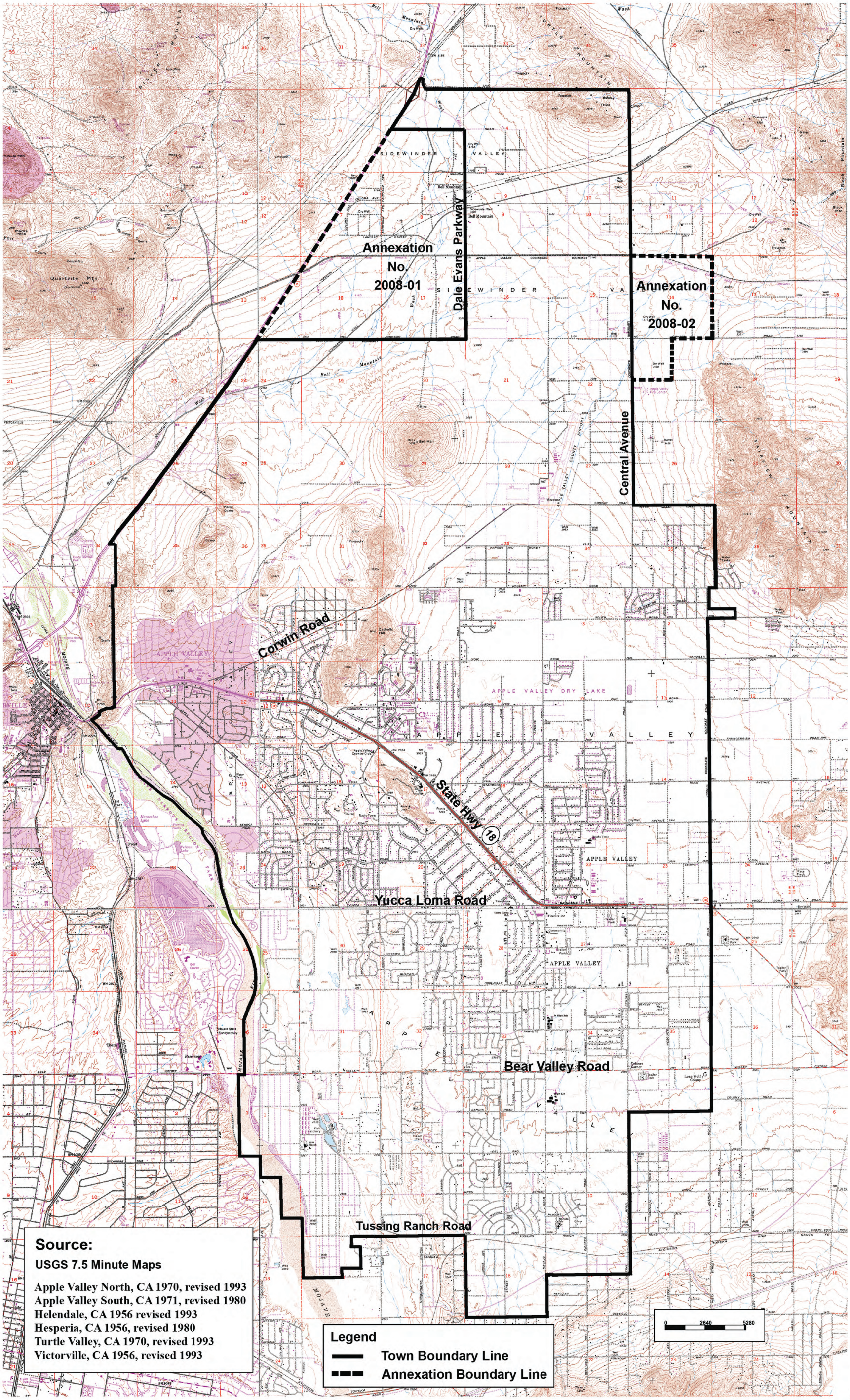


Source: Google Maps, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Project Location Map
Apple Valley, California

Exhibit
3



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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Annexation 2008-001
Apple Valley, California

Exhibit
4

II. PROPOSED 2018-001 ANNEXATION AMENDMENTS

A. 2018-001 Annexation

The 2018-001 Annexation proposes amendments to Annexation 2008-001 that will result in a reduction of overall total acreage and land use buildout quantities. The 2018-001 Annexation has the potential to result in 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units at build out. The proposed land uses are generally consistent with those proposed in Annexation 2008-001; however, there will be a decrease in overall residential, commercial, and industrial units and square footage. Those amendments and their associated potential environmental impacts are the subject of this addendum.

The following table provides a summary of the proposed amendments to Annexation 2008-001 and the overall change in land use buildout quantities.

Table 1
Buildout Land Use Summary
Annexation 2008-001 vs 2018-001 Annexation

Land Use Designation	Annexation 2008-001	2018-001 Annexation Amendments	Change (+/-)
Estate Residential	722 Units	247 Units	-475 Units
Medium Density Residential	2,659 Units	0 Units	-2,659 Units
Mixed Use Residential	845 Units	0 Units	-845 Units
Mixed Use Commercial	636,612 SF	0 SF	-636,612 SF
General Commercial	503,617 SF	134,069 SF	-369,548 SF
Regional Commercial	4,240,502 SF	3,655,032 SF	-585,470 SF
Office Professional	1,754,639 SF	1,867,957 SF	+ 113,318 SF[1]
Planned Industrial	7,782,275 SF	3,646,216 SF	-4,136,059 SF
Total Acreage	**2,774 AC**	**1,304 AC**	**-1,470 AC**

[1]Increase in square footage attributable to refinements in GIS mapping accuracy between 2008 and 2017.

The following tables provide additional details, including a summary of acreages and land uses for Annexation 2008-001 (Table 2) and the proposed 2018-001 Annexation (Table 3). Exhibit 5 compares the boundaries of Annexation 2008-001 and the 2018-001 Annexation area. Exhibit 6 shows the adopted 2009 General Plan land use map, and Exhibit 7 shows the proposed 2018-001 Annexation area land use map.

Table 2
Annexation 2008-001
Vacant and Developed Acreage by Land Use Designation

Land Use Designation	Developed Acres	Vacant Acres	Total Acres	Total Units
Residential Designations				
Estate Residential	55.7	722.3	778.0	722
Medium Density Residential	41.4	177.3	218.7	2,659
Mixed Use	0.0	94.8	94.9	854
Residential Subtotal			**1,091.6**	**4,236**
Commercial Designations				**Total Square Feet**
Mixed Use	0.0	94.9	94.9	636,612
General Commercial	11.7	40.8	52.6	503,617
Regional Commercial	7.2	435.3	442.5	4,240,502
Office Professional	0.0	183.1	183.1	1,754,639
Commercial Subtotal			**773.0**	**7,135,369**
Industrial Designations				**Total Square Feet**
Planned Industrial	49.72	762.4	812.1	7,782,275
Industrial Subtotal				**7,782,275**
Other Designations				
Street Rights-of-Way	42.8	150.1	192.9	
Other Subtotal				
Grand Total	**208.7**	**2,565.9**	**2,774.6**	

Source: "Apple Valley General Plan Environmental Impact Report (Table III-42)", adopted August 11, 2009.

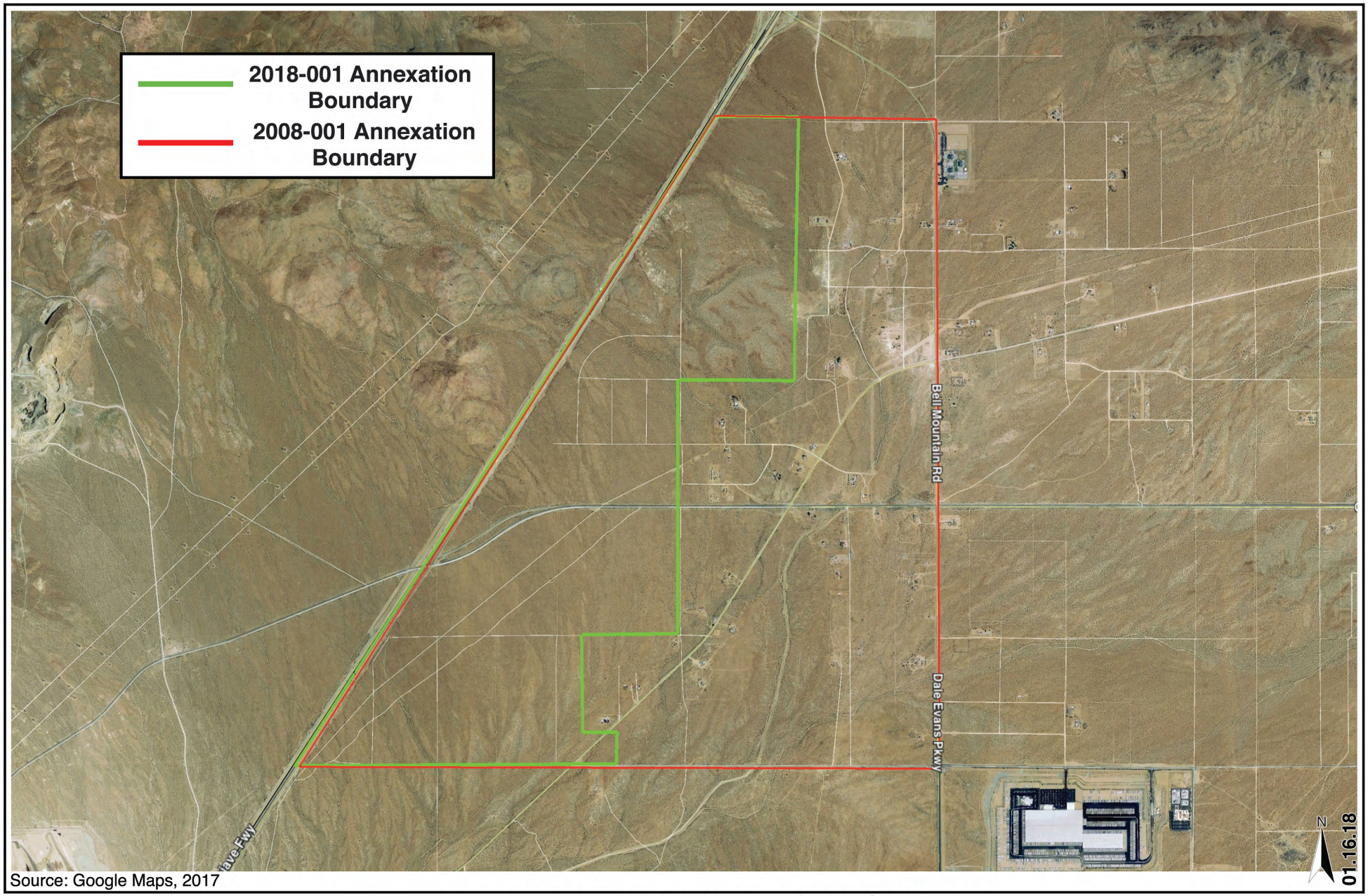
Table 3
2018-001 Annexation
Vacant and Developed Acreage by Land Use Designation

Land Use Designation	Developed Acres	Vacant Acres	Total Acres	Total Potential Units
Residential Designations				
Estate Residential	0	247	247	247
Medium Density Residential	0	0	0	0
Mixed Use	0	0	0	0
Residential Subtotal			**247**	**247**
Commercial Designations				**Total Potential Square Feet**
Mixed Use	0	0	0	0
General Commercial	0	14	14	134,069
Regional Commercial	0	381	381	3,655,032
Office Professional	0	195	195	1,867,957
Commercial Sub-total			**590**	**5,657,059**
Industrial Designations				**Total Potential Square Feet**
Planned Industrial	0	380	380	3,646,216
Industrial Sub-total			**380**	**3,646,216**
Other Designations				
Street Rights-of-Way	0	87	**87**	
Other Sub-total				
Grand Total	**0**		**1,304**	

For purposes of this analysis, it has been assumed that the 1,470± acres previously included in Annexation 2008-001 and not a part of the 2018-001 Annexation will develop under their current County land use designations (Table 4). The majority of the land remaining under County jurisdiction is designated Rural Living, and would allow up to 218 single-family residential units (Table 4). A Commercial Retail designated parcel located at the northeast corner of Annexation 2008-001 would have the potential of generating up to 75,899 square feet of commercial space. Throughout this document, these land uses are considered in the overall analysis of the impacts of the 2018-001 Annexation, in order to provide a consistent “apples to apples” representation of the impacts of the proposed annexation at build out.

Table 4
Remaining County Lands
Vacant and Developed Acreage by Land Use Designation

Land Use Designation	Developed Acres	Vacant Acres	Total Acres	Total Potential Units
Residential Designations				
Rural Living -5 (RL-5)	43.1	364.05	407.1	91
Rural Living -10 (RL-10)	112.3	818.44	930.7	127
Mixed Use	0	0	0	0
Residential Subtotal			**1,337.8**	**218**
Commercial Designations				**Total Potential Square Feet**
General Commercial	0	7.92	7.92	75,899
Commercial Sub-total			**7.92**	**75,899**
Industrial Designations				**Total Potential Square Feet**
Industrial Sub-total	0	0	**0**	**0**
Other Designations				
Street Rights-of-Way	0	124.8	**124.8**	0
Other Sub-total				
Grand Total	**155.3**	**1,315.2**	**1,470.5**	0

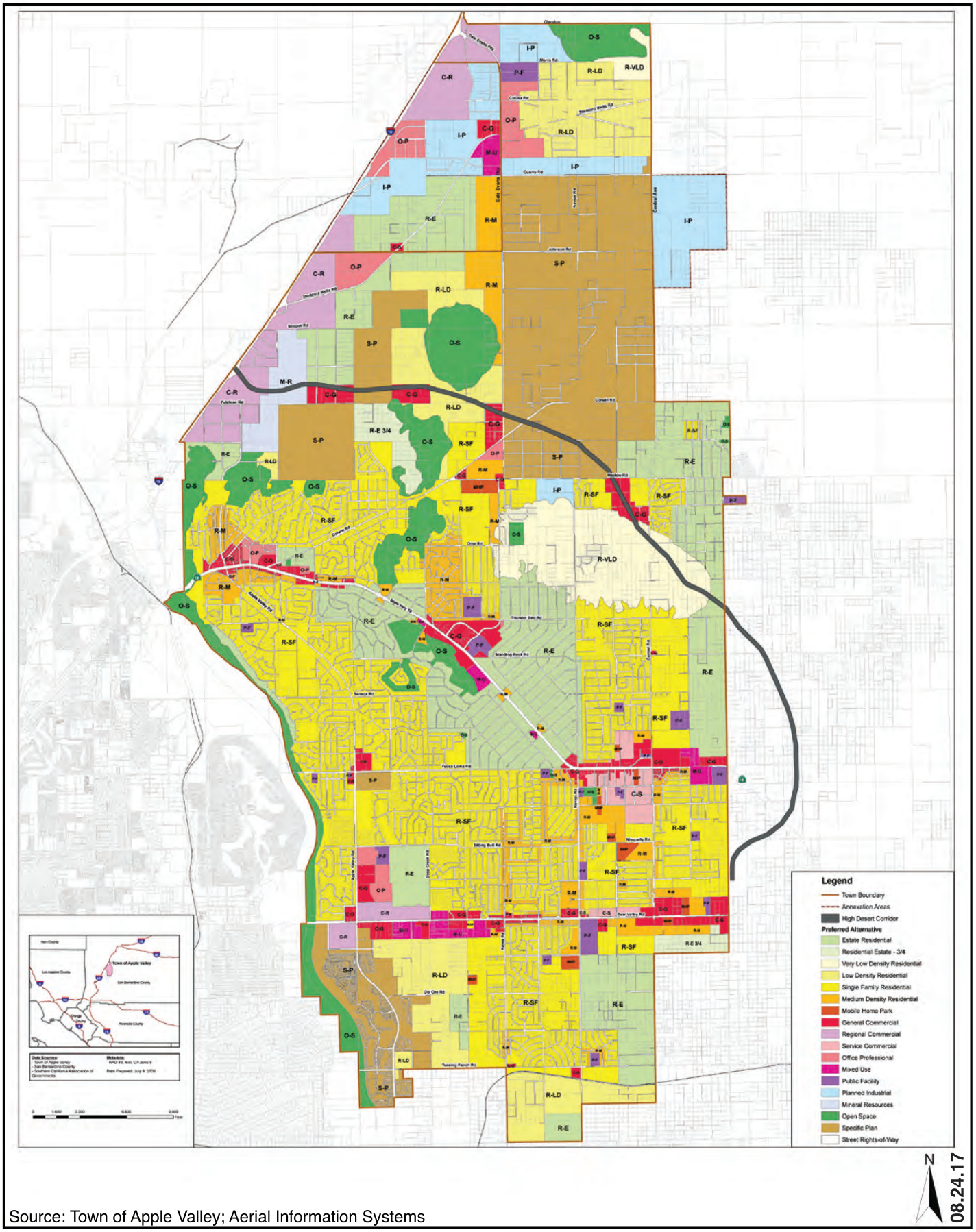


Source: Google Maps, 2017

Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Annexation 2018-001 and Annexation 2008-001 Boundary Map
Apple Valley, California

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Exhibit
5

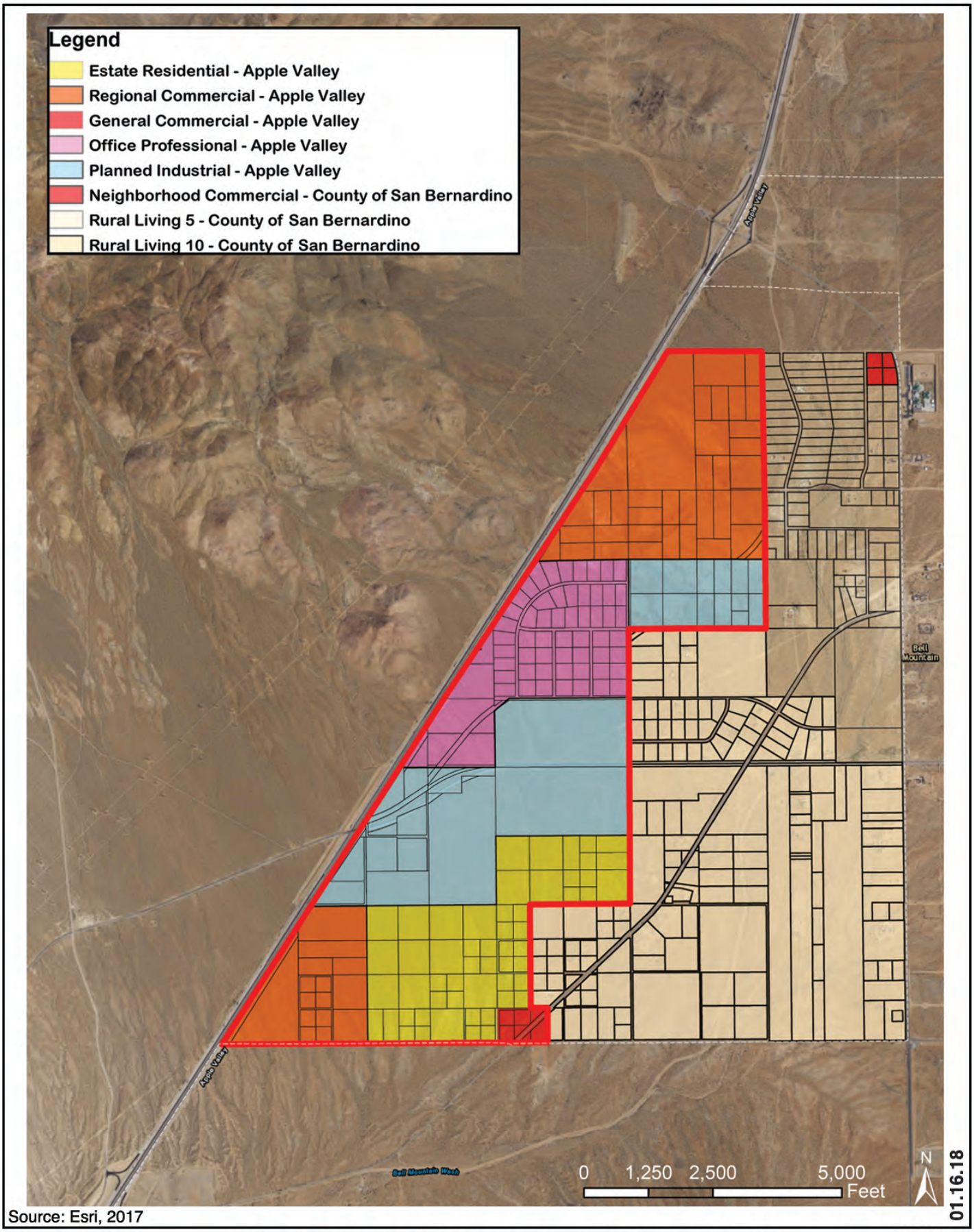


Source: Town of Apple Valley; Aerial Information Systems

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
General Plan Land Use Map
Apple Valley, California

Exhibit
6



Source: Esri, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Annexation 2018-001 Land Use Map
Apple Valley, California

Exhibit
7

B. Current Land Use Designations

The proposed annexation area is currently governed by San Bernardino County General Plan and its associated Land Use Map. There were approximately 2,774±-acres within Annexation 2008-001 under the General Plan (County). Of these, approximately 2,566 acres (92%) were vacant and undeveloped desert lands. The remaining approximately 8% were sparsely developed with single-family residences and paved and unpaved roadways. Lands in this annexation area were designated and zoned for Rural Living, Rural Living-5 (minimum 5-acre lots) and Neighborhood Commercial under the County General Plan.

Table 5
Statistical Summary of Land Uses
San Bernardino County Land Use – Annexation 2008-001

Land Use Designation	Developed	Vacant	Total			
Residential Designations				**Existing Units**	**Potential Units**	**Total Units**
Rural Living	151.6	1,982.4	2,134.0		1,982	1,982
Rural Living, 5 AC.	14.2	425.5	439.7		85	85
			Total	**-**	**2,067**	**2,067**
Commercial Designations				**Existing SF**	**Potential SF**	**Total SF**
Neighborhood Commercial		7.9	7.9	**-**	**53,192**	**53,192**
Other Designations						
Street Rights-of-Way	42.8	150.1	192.9			
Grand Total	**208.7**	**2,565.9**	**2,774.6**			
Source: "Apple Valley General Plan Environmental Impact Report (Table III-37)", adopted August 11, 2009.						

The land use plan proposed in the EIR for Annexation 2008-001 included a mix of residential, commercial, and industrial land uses. At build out, the annexation area would have included 4,236 residential units; 7,135,369 square feet of commercial development; and 7,782,275 square feet of industrial development. Table 2 shows the build out summary for the Annexation 2008-001.

III. IMPACT ANALYSIS

A. Aesthetics and Visual Resources

Summary of Findings in the EIR

The EIR described that the Town of Apple Valley and Annexation 2008-001 are located primarily on alluvial slopes of the Mojave River floodplain, at the southern edge of the Mojave Desert. Elevations in the Town range from approximately 2,800 feet above sea level near the Mojave River, to approximately 3,200 feet above sea level at the northeast corner of Town. The topography gradually inclines towards the Juniper Flats foothills of the San Bernardino Mountains to the south, as well as to the scattered knolls and mountains to the north and east of the Town. The Turtle and Black Mountains are located to the north of the General Plan planning area, Fairview Mountain to the northeast, and the Granite Mountains to the southeast. From these elevated topographical features, panoramic vistas exist across Apple Valley.

Uninterrupted expanses of 'wide skies' and panoramic vistas of distant mountains are natural visual resources for the region. The low-lying landscape surrounding the Town allows unobstructed, distant views in all directions, and these create a prevailing sense of openness and spaciousness.

The EIR established that the visual character of most parts of the General Plan planning area has been impacted to some extent by residential, commercial, and industrial development; however, many acres of undeveloped desert lands remain.

Annexation 2008-001

The EIR determined that the proposed land use plan for Annexation 2008-001 was designed to integrate into surrounding lands within the Town's urban environment. However, build out of the Annexation Area would be expected to have some impact on visual and aesthetic resources, particularly because the area consisted of vacant desert land. Although these potential impacts were not expected to affect the visual character of the annexation area in the immediate future, they were expected to accumulate over time as new development takes place.

The EIR concluded that the conversion of rural land uses to residential, commercial, and industrial uses in the annexation area would transform the open, semi-rural character of the area to that of a developed urban community. Existing viewsheds would be partially obstructed by buildings and other structures, and the present sense of open space would be diminished. Other elements of the built environment, including signage, utility infrastructure, and paved surfaces would also alter the existing visual character.

The EIR stated that the policies, programs, and regulatory constraints applicable to all development in Town would be applied to Annexation 2008-001, thereby limiting building coverage and height to one and two-story structures which would have limited impacts on viewsheds in the proposed annexation area.

The EIR determined that land that was previously undeveloped has been designated for residential, commercial and industrial uses. The EIR analyzed the potential impacts associated with light and glare for these lands, and found that future development would generate lighting levels consistent with that of the Town's urban development, and would be controlled by the Town's lighting standards, which include shielding and limitation of light spillage. All future development proposals in Annexation 2008-001 would be subject to review by Town staff to determine compliance with General Plan dark sky and lighting policies, as well as Development Code standards and requirements designed to control light spillage and preserve night skies. In addition, the Town has established development performance standards for exterior lighting in Chapter 9.70.020 of the Town's Municipal Code, and these would be enforced to effectively reduce lighting and glare impacts to less than significant levels.

The EIR determined that the proposed Annexation 2008-001 would have a less than significant impact on scenic vistas because of the development policies and design performance standards included in the General Plan and Town Municipal Code. Nonetheless, several mitigation measures were set forth in the EIR to ensure impacts would be reduced to less than significant levels.

Analysis of the Proposed 2018-001 Annexation

As was true when the General Plan EIR was certified, the Annexation 2008-001 area is currently rural and largely vacant but contains scattered low-density residences. The proposed 2018-001 Annexation consists of the western portion of Annexation 2008-001. In order to analyze the existing visual character and quality of the proposed annexation area and its surroundings, four viewpoints were selected to identify potential aesthetic resources and determine if the proposed 2018-001 Annexation would result in any new significant impacts that were not identified in the EIR (Exhibits 8, 9, 10, 11, and 12).

Scenic Vistas and Scenic Resources

The annexation area is located in the eastern portion of the Victor Valley, which lies at the boundary of two very distinct geomorphic provinces (Transverse Ranges Province and Mojave Desert Province). The Transverse Ranges are a complex series of east-west trending mountain ranges and valleys.[1] The Mojave Desert is a broad interior region of isolated mountain ranges separated by expanses of desert plains. Sometimes referred to as the high desert, elevations in the Mojave Desert generally range between 3,000 to 6,000 feet.[2]

The annexation area is in a low-lying and relatively flat desert valley bounded by the Turtle Mountains on the north, Silver Mountains on the west and northwest, Fairview Mountains and Granite Mountains on the east, and the Ord Mountains on the south. These mountains have a significant rise over the valley floor.

[1] Geological Gems Of California State Parks | Geogem Note 39 Transverse Ranges Geomorphic Province; GEOLOGICAL GEMS OF CALIFORNIA STATE PARKS | GEOGEM NOTE 43 Mojave Desert Geomorphic Province, Accessed August 2017.
ftp://ftp.consrv.ca.gov/pub/dmg/pubs/sr/SR_230/Notes_LR/CGS_SR230_TransverseRanges_GeomorphProvinces_lr.pdf, Accessed August 2017.

[2] Ibid.

The annexation area generally has unobstructed, distant views of the aforementioned mountains (Exhibit 3). The area is still generally rural and undeveloped. Middle and foreground views include scattered low-density residential development, paved and unpaved roads, and vacant land. Interstate-15, which is designated as an eligible California Scenic Highway[3], is visible along the western boundary of the annexation area, and views of mountain slopes and alluvial fans are visible to the west of the highway.

The proposed annexation area is visible from local roadways (i.e. Morro Road, Colusa Road, Sombre Road, Stoddard Wells Road, Quarry Road, and Johnson Road) and Interstate 15 (Exhibits 8, 9, and 12). The proposed annexation would not result in a substantial adverse visual effect for passing motorists on any roads in the project vicinity because potential future development would be visually consistent with other development in the Town of Apple Valley and vicinity, and would be subject to the same development standards and height restrictions as those analyzed in the EIR.

The 2018-001 Annexation would allow for a similar mix of land uses, patterns of development, and range of building heights in the project area, with comparable landscaping, architectural features, and other amenities and improvements to those previously proposed under Annexation 2008-001. The structural massing of building features would not notably vary from that of the previously proposed annexation. Thus, the potential for obstruction of scenic vistas or scenic resources from viewpoints in and around the project area would not be increased under the 2018-001 Annexation. The 2018-001 Annexation area contains approximately 53% fewer acres than Annexation 2008-001 and would result in a 94% reduction in total residential units, 20% reduction in total commercial square footage, and 53% reduction in total industrial square footage compared to Annexation 2008-001.

The 2018-001 Annexation would not create any new impacts associated with views, and any impacts would be less than those identified in the EIR due to the annexation's reduced acreage. Thus, potential impacts to scenic vistas and views associated with the 2018-001 Annexation would be less than significant. Although no mitigation is required, implementation of those mitigation measures provided in the EIR would further reduce impacts in and around the project area.

Light and Glare

The 2018-001 Annexation area is currently vacant and there is no lighting onsite. Buildout of the 2018-001 Annexation area can be expected to generate increased levels of light and glare from interior and exterior building lighting, safety and security lighting, landscape lighting, and vehicles accessing the area. The types and sources of lighting under the 2018-001 Annexation would be the same as those anticipated under Annexation 2008-001; however, the number of light sources would be substantially reduced due to decreases in the annexation's total acreage and potential building units and square footage.

[3] California Scenic Highway Mapping System; http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/, Accessed August 2017.

Under the 2018-001 Annexation, lighting and glare levels are not expected to exceed typical levels for an urban environment, and will be regulated by the Town's lighting standards. Impacts associated with light and glare will be less than significant, consistent with the conclusion of the EIR.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Currently, the remaining County land is sparsely developed and generating limited light and glare east of the proposed 2018-001 Annexation area. The buildout of these County lands would result up to 218 single-family residential units and 75,899 square feet of commercial space and increased levels of light and glare from interior and exterior building lighting, safety and security lighting, landscape lighting, and vehicles accessing the area. Future development of the remaining County lands would be required to comply with all applicable rules and regulations, including the County's General Plan policies and land use lighting standards.

Lighting and glare levels are not expected to exceed typical levels for suburban environments, and will be regulated by the County's lighting standards. Therefore, overall build out of the 2018-001 Annexation plus buildout of the remaining County lands will result in similar impacts as Annexation 2008-001.

Summary of Impacts

Like Annexation 2008-001, the 2018-001 Annexation will result in the conversion of a rural, largely vacant area to residential, commercial, and industrial uses, and change the existing visual character of the site to an urban environment consistent with that already existing in the Town of Apple Valley. Land use types, building heights, and general development patterns under the 2018-001 Annexation would be similar to those proposed under Annexation 2008-001. However, given that the 2018-001 Annexation area covers 1,470 (53%) fewer acres and would accommodate 94% less units for residential development, the impacts to aesthetics and visual resources will be less than those disclosed in the EIR. As with the EIR, impacts will be less than significant. Implementation of the mitigation measures provided in the EIR will assure that potential impacts are further reduced.



Source: Google Earth, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
View Point Key Map
Apple Valley, California

Exhibit
8









08.24.17

Source: Google Earth, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Views to North, South, East, and West from View Point A
Apple Valley, California

Exhibit
9









08.25.17

Source: Google Earth, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Views to North, South, East, and West from View Point B
Apple Valley, California

Exhibit
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08.25.17

Source: Google Earth, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Views to North, South, East, and West from View Point C
Apple Valley, California

Exhibit 11









08.29.17

Source: Google Earth, 2017

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Addendum to the EIR for the Apple Valley General Plan and Annexations 2008-001 & -002
Views to North, South, East, and West from View Point D
Apple Valley, California

Exhibit
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B. Agricultural Resources

Summary of Findings in the EIR

Historically, agricultural activities in the Town of Apple Valley have ranged from ranching to crop farming. However, in the last 50 years, agricultural activities have diminished considerably, due in part to a limited supply of irrigation water and the pressures of urbanization in the community.

The EIR determined that four areas of land in Apple Valley are designated as Farmland of Statewide Importance, according to the California Department of Conservation. Two areas are located north of Yucca Loma Road and west of Apple Valley Road. Two areas are located south of Yucca Loma Road; one immediately east of Apple Valley Road, and one south of Bear Valley Road, in the Deep Creek area. Altogether, these lands represent approximately 130 acres.

There is one Williamson Act contract in effect in the Town, on the south side of Chickasaw Lane, east of Camber Lane, and consisting of 1.8 acres. The parcel is owned by Liberty Utilities (previously Apple Valley Ranchos Water Company (AVR).

At the time the EIR was prepared, several approved development projects were located on lands identified as farmland by the State Department of Conservation. They included approved Tentative Tract Maps for 37.5 acres at the southeast corner of Camber Lane and Chickasaw Lane; 42.3 acres at the southwest corner of Choco Road and Yucca Loma Road; and 37 acres at the southeast corner of Wren Road and Mockingbird Road. The EIR stated that these approvals affect almost all of the lands designated by the State as farmland, and the approvals occurred prior to the 2009 General Plan update on lands designated for residential land uses in the General Plan.

Annexation 2008-001
In the EIR, Annexation 2008-001 was considered as part of the General Plan area for purposes of analyzing the potential impacts to agricultural resources. The EIR determined that the General Plan, including Annexation 2008-001, had the potential to convert the lands designated by the State as Farmland of Statewide Importance to residential development. About 15 acres were committed to development under the existing General Plan, although development had not occurred. These lands were on relatively small parcels of 40 acres or less, and not conducive to the long-term production of agriculture. None of these lands occurred within the boundaries of Annexation 2008-001.

The EIR determined that the General Plan allows ranching and agricultural activities in the Very Low Density Residential, Low Density Residential, Estate Residential, and Estate Residential ¾ land use designations. It was anticipated that, at buildout, about 100 acres of land designated by the State as Farmland of Statewide Importance would be lost to development. None of the parcels represented viable long-term agricultural production lands for Apple Valley or the region. The more likely agricultural, ranching, and equestrian areas in Town were located around

the most southerly designated Farmland of Statewide Importance, in the Deep Creek area. These lands were designated to allow agricultural and ranching activities, and were able to support such activities through the policies of the General Plan.

According to EIR Table III-42, 778 acres of land were designated as Estate Residential in the Annexation 2008-001 area; they were generally located in the southern portion of the annexation area. Ranching and agricultural activities would have been allowed on these lands.

Overall, the EIR determined that the impacts associated with agricultural activities were less than significant. In order to preserve agricultural and equestrian activities in Town, two mitigation measures were included in the EIR.

Analysis of the Proposed 2018-001 Annexation

According to the California Department of Conservation agricultural maps, there are no designated agricultural resources within the 2018-001 Annexation area. Therefore, development facilitated by the proposed annexation would not result in the conversion of, or adverse impacts to, designated agricultural lands.

The Land Use Element of the General Plan allows ranching and agricultural activities in the Estate Residential land use designation. Therefore, there would be the potential for ranching and agricultural activities to occur on 247 acres of Estate Residential lands in the proposed annexation area. This represents 531 fewer acres of Estate Residential than proposed under Annexation 2008-001, but is consistent with the overall reduction in acreage of the entire annexation area.

No forest land exists in the vicinity of the 2018-001 Annexation that could be converted to non-forest uses, and no lands in the annexation area are designated for forest land production. Therefore, the 2018-001 Annexation would not involve changes to the existing environment, which, due to its location or nature, could result in conversion of forest land to non-forest uses. Implementation of the 2018-001 Annexation would not result in any new impacts or increase the severity of a previously identified significant impact analyzed in the EIR.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Currently, the remaining County land is sparsely developed and would result in up to 218 single-family residential units and 75,899 square feet of commercial space at build out. The remaining County land is not designated for agricultural activities on California Department of Conservation agricultural maps. Limited agricultural uses are allowed within the Rural Residential (RR) land use designation.[4] Therefore, there would be less than significant impact to agricultural resources associated with County land buildout.

[4] Table LU-4 Land Use Designations Summary; http://planning.rctlma.org/ZoningInformation/GeneralPlan/LandUseDesignations.aspx; Accessed November 2017.

Summary of Impacts

Overall, build out of the 2018-001 Annexation, plus buildout of the remaining County lands, will result in similar impacts as disclosed in the EIR for Annexation 2008-001. The 2018-001 Annexation plus the remaining County lands would not create any new impacts associated with agricultural resources. As was the case for Annexation 2008-001, ranching and agricultural activities would be allowed on Estate Residential lands. The proposed annexation will not result in any new significant environmental effects, or substantial increases in the severity of previously identified significant effects. Impacts will be less than significant. The mitigation measures included in the EIR, which would be applied to the 2018-001 Annexation area, will assure that agricultural activities in the annexation area are further protected.

C. Air Quality

Summary of Findings in the EIR

The Town of Apple Valley and the previous and current annexation areas lie within the Mojave Desert Air Basin (MDAB). Local development and population growth, traffic, construction activities, and various site disturbances in the Town contribute to air quality emissions. Although air pollution is emitted from various sources locally, some of the degradation of air quality can be attributed to sources outside of the MDAB, including air basins to the west in Los Angeles County, to the southwest in Riverside County, and regionally in San Bernardino County.

The Mojave Desert Air Basin exceeds state and federal standards for fugitive dust (PM_{10} and $PM_{2.5}$) and ozone. State and federal standards for carbon monoxide, nitrogen oxides, sulfur dioxide, and lead are in attainment within the Town and the MDAB.

Ozone
The MDAB, which has a history of exceeding state and federal ozone standards, was designated as a "moderate" ozone non-attainment area under the federal Clean Air Act during the preparation of the General Plan EIR. The 2008 MDAQMD Ozone Attainment Plan was intended to assure that the Basin achieved attainment of the federal 8-hour NAAQS for ozone by 2021.

PM_{10} Emissions
The region has a history of elevated PM_{10} emissions, which are the result of both human activities, such as vehicle use and construction activity, and natural occurrences, such as windstorms. The Town relies on applicable state code and AQMD Rules, including rules intended to control fugitive dust, for authority to enforce compliance as needed, since it does not have its own fugitive dust ordinance. The Town's Municipal Code does include provisions for Off-Road dust generation by prohibiting nuisance dust or dirt emissions (Chapter 11.30, Section 020).

$PM_{2.5}$ Emissions
The MDAB and the Town were classified as being in non-attainment for $PM_{2.5}$, based on the 2007 State Area Designations. Although the region was classified as being in non-attainment for the state standard, the region was classified as being in attainment/unclassifiable for the national standard, based on 2006 national area designations, despite the air quality monitoring data from the Victorville station that shows zero (0) exceedances for either the state or federal 24-hour standard from 2000 through 2007.

Climate Change and Greenhouse Gases
Air quality is a concern due to human health issues, and because air pollutants are thought to be contributing to global warming and climate change. Air pollution is defined as a chemical, physical, or biological process that modifies the characteristics of the atmosphere. Some air polluting agents are also greenhouse gases (GHG), such as carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated gases (hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride), which are released into the atmosphere through natural processes and human activities. Carbon dioxide is the primary greenhouse gas of concern due to current and projected levels, and the highly correlated temperature regression curve; temperatures rise as carbon dioxide levels rise.

California was the first state to establish regulations that require the reduction of emissions from motor vehicles. On September 24, 2004, the California Air Resources Board adopted a bill that requires all 2009 and later vehicles to reduce their greenhouse gas emissions by about 30% by the year 2016[5]. In addition, the California Global Warming Solutions Act of 2006 has been passed in order to comprehensively limit GHG emissions at the state level by establishing an annual reporting program of GHG emissions for significant sources and sets emissions limits to cut the state's GHG emissions to 1990 levels by 2020.

Annexation 2008-001
The EIR determined that Annexation 2008-001 would generate significant air quality emissions at build out due to operational use of electricity and natural gas and moving source emissions. In addition to these ongoing emissions, build out of Annexation 2008-001 would also generate temporary air quality emissions from grading, construction, and equipment deliveries. Temporary impacts were not quantified, since they would be dependent on project specific parameters which were unknown at the time. However, as required, each project within the annexation area would be required to prepare the appropriate CEQA compliant document, which would quantify all emissions associated with development, including temporary and ongoing air emissions.

As described in the General Plan Land Use Element, Annexation 2008-001 had the potential to result in 7,135,369 square feet of commercial space, 7,782,275 square feet of industrial space, and 4,236 residential units at build out. All of these land uses would generate air quality emissions from electricity and natural gas use, and from transportation.

[5] http://www.ucsusa.org/clean_vehicles/vehicles_health/californias-global-warming-vehicle-law.html

The URBEMIS 2007 model (version 9.2.4, February 2008) was used to project air quality emissions for buildout of Annexation 2008-001. Table 6, reproduced from the EIR, quantifies the maximum daily air quality emissions for all criteria pollutants at build out of Annexation 2008-001. Using the factors set forth in the CEQA Handbook prepared by SCAQMD, on which MDAQMD relied, the following demands were estimated: total annual electricity demand of 220.7 million kilo-watt hours; total annual natural gas demand of 914.5 million cubic feet. In addition, build out was projected to result in 1.46 million miles a day traveled, assuming an average trip length of 8.06 miles. The build out population within Annexation 2008-001, 13,238 persons, had the potential to generate 226.4 pounds per day of ROG emissions from the use of consumer products.

Table 6
Projected Daily Emissions within Annexation 2008-001
at General Plan Build Out
(Lbs./day)

Pollutant	Stationary Source Emissions			Moving Source Emissions	Total Project Emissions	Threshold Criteria*
	Consumer Products	Power Plant	Natural Gas	All Vehicles	Lbs./Day	Lbs./Day
CO	-	121	183	5,068	**5,372**	**548**
NOx	-	696	247	591	**1,534**	**137**
SOx	-	73	0.003	649	**721**	**137**
PM_{10}	-	24	0.45	16	**41**	**82**
$PM_{2.5}$	-	-	0.45	146	**147**	**55**
ROGs	226.4	6	18	98	**348.4**	**137**
CO2	-	-	300,664	1,670,120	**1,670,120**	**N/A**

*Threshold criteria offered by the Mojave Desert Air Quality Management District for determining the significance of air quality impacts. Source: "CEQA and Federal Conformity Guidelines," MDAQMD, June 2007 and Urbemis 2007 Version 9.2.4 default emissions.

Air quality emissions associated with stationary and moving source emitters would have significantly exceeded established thresholds for all criteria pollutants, as shown in Table 6 above. Although mitigation measures included in the EIR would have somewhat offset emissions, impacts associated with build out of the annexation area would have resulted in significant and unavoidable air quality impacts. As a result, Findings and a Statement of Overriding Considerations were prepared and adopted by the Town Council concurrent with certification of the EIR in 2009.

Greenhouse Gas Emissions

The total carbon dioxide equivalent emissions in the entire State of California for the year 1990 were estimated to be 427 million metric tons. Table 7, reproduced from the EIR, illustrates the GHG emissions anticipated to occur as a result of build out of Annexation 2008-001. At build

out, the Annexation would contribute approximately 0.088% of the total California GHG emissions limits established by ARB for year 2020. In 2005, total carbon dioxide equivalent emissions for the United States were estimated at 7,260.4 million metric tons. The Annexation represented 0.005% of the total emissions for the U. S. as estimated in year 2005. In order to reduce GHG emissions, the Town prepared and adopted a Climate Action Plan immediately following the adoption of the General Plan. That Plan included a number of community and municipal measures designed to reduce GHG emissions to meet State mandates.

Table 7
Annual GHG Summary within Annexation 2008-001
at Build Out of the General Plan

Emission Source	CO2 Equivalent Metric Tons	CO2 Equivalent Million Metric Tons	Million Pounds Per Day
Electricity	80,671.16	0.081	487,258.81
Natural Gas	50,067.67	0.050	302,411.83
Moving Source	244,952.74	0.245	1,479,529.74
Total	**375,691.58**	**0.376**	**2,269,200.38**

Source: Emission factors for electricity usage and moving source emissions for CH4 and N2O are from "California Climate Action Registry General Reporting Protocol: Tables C5 and C6," version 3.0 prepared by California Climate Action Registry, April 2008. Natural gas emission factors for CO2 and Moving Source emissions CO2 are from "Calculations and References," of the Greenhouse Gas Equivalencies Calculator, prepared by EPA and last updated on August 4, 2008, and for CH4 and N2O emission factors are from "California Climate Action Registry General Reporting Protocol: Equations III.8d," version 3.0 prepared by California Climate Action Registry, April 2008.
Note that CO2 Equivalent figures are based on SAR (1996) global warming potential of 21 for CH4 and 310 for N2O.

Analysis of the Proposed 2018-001 Annexation, and Proposed 2018-001 Annexation Plus Remaining County Lands

The 2018-001 Annexation will generate significant air quality emissions at build out due to operational emissions, which include area source emissions, emissions from energy demand (electric and natural gas), and mobile source (vehicle) emissions. In addition to these ongoing emissions, build out of the 2018-001 Annexation will also generate temporary air quality emissions from grading, construction, and equipment deliveries. As was the case in the EIR, temporary impacts are not quantified, since they are dependent on project specific parameters which are unknown at this time. However, as was the case in the EIR, each project will prepare the appropriate CEQA compliant document, which will quantify all emissions associated with development, including temporary and ongoing air emissions.

As previously discussed, the 2018-001 Annexation has the potential to result in as much as 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units at build out. All of these land uses would generate air quality emissions from electricity and natural gas use, consumer products, potable water supply, waste generation, and transportation.

The California Emissions Estimator Model (CalEEMod) Version 2016.3.1, which is the currently accepted model for the quantification of air emissions, was used to project emissions for build out of the 2018-001 Annexation. It should be noted that the air quality modeling software used in the 2009 General Plan EIR, URBEMIS, is now outdated and no longer commonly used in current planning. There are several differences in methodology between CalEEMod and URBEMIS, as shown below, that have resulted in unavoidable differences between the 2009 emission outputs and the 2018-001 emissions outputs.

- CalEEMod contains a separate energy module that increases flexibility in deriving GHG emissions as well as in mitigating the impacts from energy.
- Compared to URBEMIS, CalEEMod calculates VOC/ROG emissions on a "per square foot" basis instead of a "per person" basis, which generally results in lower emissions from consumer products for residential land uses, and higher emissions from consumer products for non-residential land uses.
- CalEEMod calculates natural gas related emissions under Energy Use (electricity and natural gas combined), which can result in an increase or decrease of criteria pollutant emissions depending on the land use; most trend to decreases in NOx and CO, and slight increases in ROG and PM.
- CalEEMod uses different default land use ITE trip rates, which tend to increase or decrease exhaust emissions depending upon land use (e.g., maximum residential ITE trip rate higher than weekday resulting in higher residential exhaust emissions). The ITE trip rates used in the current model are consistent with the currently published ITE trip rates, which have changed since 2009.
- CalEEMod includes different percentages of trips (home-work, home-shop, commercial-work, etc.) which tends to increase or decrease exhaust emissions depending upon changes in project location.

In order to provide an accurate comparison of the 2008 and 2018-001 Annexations, and because the URBEMIS model is no longer used in current planning, a re-run of Annexation 2008-001 was prepared using the CalEEMod model. Emission outputs for the 2018-001 Annexation and the re-runs for Annexation 2008-001 are provided in Appendix A.

Table 8 quantifies the maximum daily air quality emissions for all criteria pollutants for the re-run of the Annexation 2008-001, build out of the 2018-001 Annexation, and build out of the 2018-001 Annexation area plus build out of the remaining County lands. Unlike the previous analysis for Annexation 2008-001, default factor sets are verified and provided within the CalEEMod software, which eliminates the need to make assumptions for electricity, natural gas, consumer products and other emission source categories. In addition, mobile trip lengths for industrial truck trips have been increased from 8.06 miles to 100 miles, based on a number of studies recently completed to more accurately capture mobile emissions from regional transportation and hauling of industrial goods/materials, which increases the miles traveled. Overall, the differences in modeling software (CalEEMod versus URBEMIS), increased trip length for industrial land uses, and access to verified default factor sets have resulted in a net increase in criteria pollutants for Annexation 2008-001.

Table 8
Projected Daily Emissions of Project
at General Plan Buildout
(pounds per day)

Operational Emissions[1]	CO	NO_X	ROG	SO_2	PM_{10}	$PM_{2.5}$
2008 Annexation Re-Run						
Area	8,352.92	130.63	7,138.17	14.51	1,123.93	1,123.93
Energy	27.11	51.87	5.98	0.32	4.13	4.13
Mobile	9,519.06	4,293.38	680.89	44.45	3,880.79	1,055.80
TOTAL	**17,899.11**	**4,475.89**	**7,825.05**	**59.29**	**5,008.86**	**2,183.87**
2018-001 Annexation Only						
Area	487.91	7.62	650.19	0.84	65.53	65.53
Energy	7.23	9.75	1.08	0.05	0.75	0.75
Mobile	5,039.76	2,463.81	390.00	23.34	2,004.19	545.40
TOTAL	**5,534.91**	**2,481.19**	**1,041.28**	**24.25**	**2,070.49**	**611.68**
2018-001 Annexation Plus County Lands						
Area	917.73	14.34	1,002.19	1.59	123.38	123.38
Energy	8.27	12.00	1.35	0.07	0.93	0.93
Mobile	5,231.14	2,526.99	400.11	24.26	2,088.33	568.27
TOTAL	**6,157.15**	**2,553.34**	**1,403.65**	**25.92**	**2,212.62**	**692.58**
MDAQMD Thresholds	**548**	**137**	**137**	**137**	**82**	**55**

Source: Threshold criteria offered by the Mojave Desert Air Quality Management District for determining the significance of air quality impacts.
[1] Average of winter and summer emissions, unmitigated, 2026 (GP buildout is 2025).
Emission Source: CalEEMod model, version 2016.3.1.

Air quality emissions associated with buildout operation of the 2018-001 Annexation, and buildout operation of the 2018-001 Annexation plus remaining County lands, will significantly exceed established thresholds for all criteria pollutants, as shown in Table 8 above. Similar to Annexation 2008-001, impacts can be somewhat lowered by implementation of the mitigation measures included in the EIR. However, impacts associated with build out of the 2018-001 Annexation will result in significant and unavoidable air quality impacts, albeit lower than those associated with Annexation 2008-001, as did build out of Annexation 2008-001. Thus, Annexation 2018-001 will not result in any new significant unavoidable impacts or any substantial increase in the significant unavoidable impacts previously identified in the General Plan EIR.

Greenhouse Gas Emissions

The 2018-001 Annexation will generate greenhouse gas (GHG) emissions during both construction and operation. Similar to the above analysis of criteria pollutants, temporary impacts are not quantified since they are dependent on project specific parameters, which are

unknown at this time. Operation of the proposed project will create on-going greenhouse gases through five emissions sources: area, energy (electricity and natural gas), mobile, waste, and water. Table 9 provides a summary of the projected annual GHG generation associated with the re-run of the Annexation 2008-001, build out of the 2018-001 Annexation, and build out of the 2018-001 Annexation area plus build out of the remaining County lands. Overall, the differences in modeling software (CalEEMod versus URBEMIS), increased trip length for industrial land uses, and access to verified default factor sets have resulted in a net increase in greenhouse gas emissions for Annexation 2008-001.

Table 9
Annual GHG Summary within the Project Area at Build Out

Emission Source	CO2 Equivalent Metric Tons	CO2 Equivalent Million Metric Tons	Million Pounds Per Day
2008 Annexation Re-Run	700,461.49	0.700	4,230,830.72
2018-001 Annexation Total	354,479.82	0.354	2,141,080.04
2018-001 Plus County Lands	369,916.21	0.370	2,234,316.79
Source: CalEEMod Version 2016.3.1			

Table 9 illustrates the GHG emissions anticipated to occur as a result of the re-run of the Annexation 2008-001, build out of the 2018-001 Annexation, and build out of the 2018-001 Annexation area plus build out of the remaining County lands. In comparison, the total carbon dioxide equivalent emissions in California for the year 1990 was estimated to be 427 million metric tons. At build out, the 2018-001 Annexation will contribute approximately 0.082% of the total California GHG emissions limits established by ARB for the year 2020. At build out, the 2018-001 Annexation plus remaining County lands will contribute approximately 0.086% of the total California GHG emissions limits established by ARB for the year 2020. In 2015 the total carbon dioxide equivalent emissions for the United States was estimated at 6,587 million metric tons. The 2018-001 Annexation and the 2018-001 Annexation plus the remaining County lands both represent 0.005% of the total emissions for the U. S. as estimated in year 2015.

The Town of Apply Valley adopted a Climate Action Plan (CAP) Update in 2013. The goal of the CAP is to reduce GHG emissions within City operations and throughout the community. The CAP GHG inventory was prepared using the Clean Air and Climate Protection (CACP) Software, which is the industry standard for climate action planning developed by Local Governments for Sustainability (also known as ICLEI, International Council for Local Environmental Initiatives). Various utility and service companies provided City-specific data for the years 1990, 2005, and 2010, which were used to populate the CACP software. This data includes electricity usage, natural gas usage, waste treatment, solid waste disposal, public transit data, and estimated citywide vehicle miles traveled. Future projects in the 2018 Annexation area will be implemented within this context. Therefore, since the CAP requires a reduction of 15% over "business as usual" conditions for all new projects, impacts of build out of the 2018-001 Annexation will comply with the Town's requirements for GHG reductions.

Summary of Impacts

All criteria thresholds under both Annexation 2008-001 and the 2018-001 Annexation are projected to be exceeded even with the application of mitigation measures. Although emissions can be mitigated to a certain degree, significant and unavoidable impacts to air quality, including greenhouse gas emissions, will occur as a result of development of the 2018-001 Annexation and remaining County lands, but will be less than the level of impact identified in the EIR. The 2018-001 Annexation will result in significantly less criteria pollutant and greenhouse gas emissions when compared to Annexation 2008-001. Regardless of mitigation measures, development of the 2018-001 Annexation, including development of the remaining County lands, will contribute to cumulative air quality impacts locally and regionally. However, Annexation 2018-001 will not result in any new significant unavoidable impacts or any substantial increase in the significant unavoidable impacts previously identified in the General Plan EIR.

D. Biological Resources

Summary of Findings in the EIR

The EIR included a comprehensive analysis of special-status and sensitive species, local habitats and vegetation communities, and jurisdictional waters in the General Plan area, including Annexation 2008-001. The Biological Resources Assessment included a literature review of the California Natural Diversity Data Base (CNDDB), San Bernardino County Museum records, California Department of Fish and Game staff records, various botanical and wildlife references for the Apple Valley area, and the California Environmental Information Catalogue. The Draft West Mojave Habitat Conservation Plan and Conservation Banking Program was referenced to describe the existing conditions in 2009.

The EIR determined that the General Plan area is located in the High Desert north of the San Bernardino Mountains, within the southwestern portion of the Mojave Desert, and is characteristic of desert environments, with hot dry summers and cool winters, including extreme fluctuations of daily temperatures, strong seasonal winds, and less than 5 inches of annual precipitation.

Elevations in the General Plan area range from approximately 2,550 feet above mean sea level (MSL) near the Mojave River up to approximately 4,800 feet above MSL within mountain ranges to the north, east, and south. Drainages and streams associated with the Mojave River have contributed to the topography of the region, and are considered to be ephemeral in that they rarely contain overland water flow and generally have poorly defined banks. Watercourses in the area flow into the Mojave River, Apple Valley Dry Lake, or inland depression areas. The Mojave River and associated drainages support riparian habitat and provide wildlife movement corridors.

Natural Communities
There are several natural communities represented in the General Plan area which support a wide variety of plant and animal species and various types of habitats, including the following:

- Saltbush Scrub
- Mojave Riparian Forest
- Wash Vegetation
- Sandfield Plant Community
- Joshua Tree Woodlands
- Creosote Bush Scrub
- Mojave Mixed Woody Scrub
- Montane Woodlands
- Non-native Communities

Common Species
A number of common species found in the planning area tend to be associated with disturbed Creosote, Saltbush, and Mojave Mixed Woody Scrub plant communities. They may be readily adaptable to urbanization and able to survive in ruderal habitats, such as those adjacent to roadways. The EIR concluded that a variety of common native and non-native species were found in the planning area.

Special Status Species
The EIR determined that the planning area contains a wide range of special status species that are designated as sensitive, threatened, or endangered by federal and state governmental agencies. Those reported in the planning area included the following:

Sensitive Plant Species:
- Booth's Suncup
- Desert Cymopterus
- Joshua Tree
- Southern Skullcap

Sensitive Invertebrate Species:
- San Emigdio Blue Butterfly
- Victorville Shoulderband

Sensitive Reptile Species:
- Common Chuckwalla
- Desert Tortoise
- Western Pond Turtle

Sensitive Bird Species:
- Bendire's Thrasher
- Brown-Crested Flycatcher
- Burrowing Owl
- Cooper's Hawk
- Least Bell's Vireo
- Le Conte's Thrasher
- Prairie Falcon
- Southwestern Willow Flycatcher
- Summer Tanager
- Swainson's Hawk
- Vermillion Flycatcher
- Western Yellow-billed Cuckoo
- Yellow-breasted Chat
- Yellow Warbler

Sensitive Mammal Species:
- Mojave River Vole
- Pallid San Diego Pocket Mouse
- Hoary Bat

Habitat Protection and Connectivity
The EIR determined that the planning area and vicinity contain areas of valuable habitat that support special status species. Therefore, a number of plans had been or were being developed to address issues associated with impacts to these areas, including the West Mojave Habitat Conservation Plan (Bureau of Land Management) and the Apple Valley Multiple Species Habitat Conservation Plan (MSHCP) currently being developed. These plans would provide important guidelines and criteria for these habitats by establishing requirements for the preservation and maintenance of wildlife movement corridors within the Town and vicinity.

West Mojave Habitat Conservation Plan: The EIR indicated that the West Mojave Habitat Conservation Plan, developed by the Bureau of Land Management (BLM), covers approximately 9.3 million acres of publicly owned land within San Bernardino, Kern, Los Angeles, and Inyo Counties. It is the largest habitat conservation plan to be developed in the United States. The Plan sets forth a comprehensive strategy for managing state and federally listed species, special status species, and their habitats on public lands. The plan mandates conservation of lands for specifically covered species, such as the Desert Tortoise, Mojave Ground Squirrel, Le Conte's Thrasher, Burrowing Owl, and others. The West Mojave Plan has achieved certification under the National Environmental Policy Act (NEPA) and only applies to federally owned lands within its planning area.

At the time the EIR was prepared, local, state, and federal entities were in the process of developing a private lands counterpart to the West Mojave Plan. Upon completion of the CEQA process for the plan by the County of San Bernardino, it was expected that future development on state, local government, and private lands would be covered and properly mitigated through the payment of a regional land development fee. It was also expected that, at completion of the CEQA process, it would be likely that specific survey requirements and permitting parameters for public and private land actions would be required. It was recommended in the EIR that the Town should aid the County of San Bernardino and other participating federal, state, and local agencies in the preparation of a private lands counterpart to the West Mojave Habitat Conservation Plan.

Apple Valley Habitat Conservation Plan: At the time the EIR was prepared, the Town of Apple Valley was also in the process of preparing a comprehensive Multiple Species Habitat Conservation Plan (MSHCP) that would address management for federally listed and other special status species occurring on private lands within the Town of Apple Valley. It would also enable the Town to streamline the development entitlement process and permitting while ensuring protection of sensitive environmental resources. Until the MSHCP is complete, individual development projects with potential to impact a listed species must process separate state and/or federal permits to address compliance with the state and federal Endangered Species Acts.

Native Plant Ordinance
The Town of Apple Valley has adopted an ordinance (Chapter 9.76.040, "Plant Protection and Management") aimed at protecting native plants, which makes special provision for Joshua Trees

and other native species. The ordinance requires authorization from the Town prior to disturbing, removing, or destroying Joshua Trees, and when removal is necessary, prescribes their relocation and transplant requirements whenever feasible.

Annexation 2008-001
The EIR determined that the Annexation 2008-001 area is desert land occupied primarily by Creosote Bush Scrub habitat, which may support a number of common plant and animal species, as well as providing potential habitat for special status species. There are several ephemeral blue-line streams which the biological resources study identified as jurisdictional, that intersect the annexation area in a north/south direction. These streams originate in the hills to the north and terminate at the Mojave River.

The EIR also determined that buildout of undeveloped areas, including vacant portions of Annexation 2008-001, had the potential to impact biological resources, including common and possibly special status species, through direct disturbance from development, habitat loss, and fragmentation. In order to assure that impacts to special status species were mitigated, site-specific evaluations of biological resources were to be required prior to site disturbance for any project occurring within the Annexation 2008-001 area which had the potential to contain special status species.

The EIR concluded that future development in the Annexation 2008-001 area could result in activities within and adjacent to ephemeral streams. Such activities would be subject to state and federal regulatory permitting requirements, to be determined at the time development proposals were reviewed by the Town.

Overall, the EIR determined that the impacts associated with biological resources were less than significant with implementation of mitigation measures.

Analysis of the Proposed 2018-001 Annexation

Like the Annexation 2008-001 area, the proposed 2018-001 Annexation area is located within the Mojave Desert biome in a portion of the western Mojave Desert. It appears to be on the dividing line between the "High Desert Plains and Hills" and the "Lucerne – Johnson Valley and Hills" ecological subsection of the California Mojave Desert and within the "South-Central Mojave" subsection which encompasses the southern tip of the Mojave Desert.

Amec Foster Wheeler Environment & Infrastructure, Inc. prepared a biological resource assessment report for the proposed 2018-001 Annexation in September 2017.[6] Based on the literature review and field assessment of the site, the proposed annexation has the potential to affect a variety of special-status biological resources that are protected and/or regulated by the California Fish and Wildlife (CDFW), United States Fish and Wildlife Service (USFWS), United States Army Corps of Engineers (USACE), and/or Regional Water Quality Control Board (RWQCB).

[6] Biological Resources Assessment Report Apple Valley Annexation Project, prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. on September 2017.

The proposed 2018-001 Annexation area is composed of 1,304 acres of land, which is currently vacant and undeveloped, characterized by a patchwork-like distribution of undeveloped, relatively natural open space, and a network of paved and unimproved roadways. The area is generally flat with some small rolling hills, rocky outcrops and intermittent small drainages (i.e., dry washes) present throughout. The open space within the proposed area has received only relatively minor levels of disturbance, primarily as a result of off-road vehicular use, dumping, and anthropogenic "edge effects." These "edge effects" include some vegetation clearing/weed abatement, establishment of dirt trails, trash deposition/accumulation, and use by domestic pets (sign of domestic dogs observed).

Multiple Species Habitat Conservation Plan
The Town of Apple Valley is in the planning and development phase of a regional Multiple-species Habitat Conservation Plan/Natural Communities Conservation Plan (MSHCP/NCCP) that would address impacts to specified special-status biological resources that are known to occur, or have the potential to occur in and adjacent to the Town, in an area which extends beyond the boundaries of the proposed annexation.

Implementation of the MSHCP/NCCP is anticipated to cover and permit incidental take of covered species, which include federally and state-listed endangered and/or threatened species, species that are designated as "Species of Special Concern (SSC)" by the CDFW and species managed as "Sensitive" by the BLM. The area covered by the MSHCP/NCCP will address potential development impacts to an estimated total of 23,000 to 27,800 acres of existing undeveloped open space within the town limits and 37,500 acres of impacts within its sphere of influence.

Anticipated covered activities include development of housing, commercial and industrial development, agricultural activities, adaptive habitat management, and monitoring activities. In addition, other potential impacts include operation and maintenance of existing public facilities (3,200 acres), construction of new capital improvements and public facilities (1,400 acres) and the construction, operation and maintenance of future renewable energy projects (5,000 acres).

On 14 September 2010, a Memorandum of Understanding (MOU) was approved between the Town of Apple Valley and San Bernardino County. The MOU serves as a foundation for the Town and County to establish a clear, consistent, and predictable permitting process and procedure for future economic development. When complete, approval of future development applications within the MSCHP/NCCP planning area will be allowed, while conservation of covered species and their habitats will also be assured.

The 2018-001 Annexation is located within the coverage area for the MSHCP/NCCP. Once the MSHCP is implemented, participation in, and compliance with, the requirements and provisions of the MSCHP will ensure that project-related impacts to these species are permitted, covered, minimized, and mitigated. Payment of a development fee is likely to be the primary mitigation for projects not located in conservation areas. Participation and compliance with the Plan may also require additional actions, including surveys, for full coverage for some of these species.

Soil Type
The annexation area is predominantly composed of Cajon-Arizo Complex (2-15% slopes), Helendale-Bryman Loamy Sands (2-15% slopes), Nebona-Cuddeback Complex (2-9% slopes), Sparkhule-Rock Outcrop Complex (15-50% slopes), and Yermo-Kimberlina (Cool, Association, and Sloping). Soils and substrates in the area vary from undisturbed, naturally sandy areas, gravelly areas, loamy areas, rocky outcrops, disturbed surfaces, and developed areas. Existing disturbed and developed areas consist of paved and unimproved public and private roads, paved and unpaved trails, vacant cleared areas, and a railroad easement. No sand dunes, hummocks, clay lenses, springs, seeps, or natural bodies of water were evident in the area.

Review of the National Wetlands Inventory (NWI) indicated that approximately twenty-six (26) drainages, some of which are blue-line streams, traverse the area. A jurisdictional delineation was not conducted in the area for the proposed annexation, due to the programmatic nature of the analysis.

Vegetation
The dominant vegetation community within the annexation area is Larrea tridentata Shrubland Alliance (Creosote bush scrub). Developed/urban areas (i.e., paved roadways) and disturbed areas (i.e., barren dirt roads and trails) are also intermittently present throughout the proposed annexation area.

Dominant perennial plant species observed included: creosote bush (Larrea tridentata), California buckwheat (Eriogonum fasciculatum), white bur-sage (Ambrosia dumosa), cheesebush (Ambrosia salsola), rubber rabbitbrush (Ericameria nauseosa), peach thorn (Lycium cooperi), Nevada ephedra (Ephedra nevadensis), sandpaper plant (Petalonyx thurberi), bladder-sage (Scutellaria mexicana) and saltbush (Atriplex spp). Dominant annual plant species observed included: Sarahan mustard (Brassica tournefortii), tumble mustard (Sisymbrium sp.), short-pod mustard (Hirschfeldia incana), redstem fillaree (Erodium cicutarium), cheat grass (Bromus tectorum), red brome (Bromus madritensis ssp. rubens), common Mediterranean grass (Schismus barbatus) and annual bur-sage (Ambroisa acanthicarpa). Sparse Mojave yucca (Yucca schidigera), Joshua tree (Yucca brevifolia), golden cholla (Cylindropuntia echinocarpa) and diamond cholla (Cylindropuntia ramosissima) were also intermittently present throughout the proposed annexation area.

No special-status vegetation communities were observed within the proposed annexation area. A list of the plant species observed is provided in the Appendix 1 of the biological assessment report, included in Appendix B.

Wildlife
A total of fourteen (14) vertebrates were detected during the on-site investigation conducted for the biological assessment report. Vertebrate fauna detected included one reptile, seven birds, and six mammals. No fish or amphibians were detected.

Western side-blotched lizard (Uta stansburiana elgans) was the only reptile detected. However, a variety of other species are expected to occur. These include, but are not limited to, desert banded gecko (Coleonyx variegatus variegatus), yellow-backed spiny lizard (Sceloporus uniformis), desert horned lizard (Phrynosoma platyrhinos), western zebra-tailed lizard (Callisaurus draconoides rhodostictus), Great Basin whiptail (Aspidoscelis tigris tigris), glossy snake (Arizona elegans eburnata), Great Basin gopher snake (Pituophis catenifer deserticola), western coachwhip (Coluber flagellum testaceus), and Mojave rattlesnake (Crotalus scutulatus).

The seven common species of birds observed on-site included mourning dove (Zenaida macroura), common poorwill (Phalaenoptilus nuttallii), common raven (Corvus corax), loggerhead shrike (Lanius ludovicianus), horned lark (Eremophila alpestris), European starling (Sturnus vulgaris), and house finch (Haemorhous mexicanus). Representative examples of other common bird species that are expected to occur include, but are not limited to, red-tailed hawk (Buteo jamaicensis), American kestrel (Falco sparverius), Gambell's quail (Callipepla gambelii), greater roadrunner (Geococcyx californianus), verdin (Auriparus flaviceps), and Costa's hummingbird (Calypte costae).

The six mammals detected included black-tailed jackrabbit (Lepus californicus), desert woodrat (Neotoma lepida), coyote (Canis latrans), California ground squirrel (Otospermophilus beecheyi), white-tailed antelope squirrel (Ammospermophilus leucurus), and other small rodents (species undetermined but rodent burrows present). Other small mammals, particularly rodents, occur on the site as small mammal burrows were observed. Although not observed, bats also likely forage onsite as suitable roosting habitat is present nearby within nearby rocky hillsides. Domestic mammals (i.e., dogs, cats and livestock) are also likely kept by residents surrounding the annexation area. Larger carnivores such as the kit fox (Vulpes macrotis), gray fox (Urocyon cinereoargenteus), and bobcat (Lynx rufus) were not detected but have the potential to occur in the annexation area as well.

Jurisdictional Areas
Many unnamed, mostly small, drainages (i.e., dry washes) are present throughout the proposed annexation area. None of the observed drainages were flowing or exhibited surface water at the time of the on-site investigation, and no riparian or hydrophytic vegetation, one of the indicators of "wetlands," were observed. Although these drainages would not likely meet the definition for wetlands, many would likely meet the definition of "waters of the United States" and/or "waters of the state of California" and thus fall under the jurisdiction of the U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB), and/or the CDFW. For these reasons, impacts (i.e., changes to the bed, bank or channel of rivers, streams and lakes) to these jurisdictional areas would require permitting by these agencies.

Programmatic permits and/or authorizations for MSHCP/NCCP-covered activities, however, may be issued at some time in the future. Until such time, however, nationwide permits, individual permits, streambed alteration agreements, water quality certifications, and/or any other required authorizations would need to be obtained by each individual project proponent, or the Town of Apple Valley on their behalf. Standard mitigation for impacts to jurisdictional areas

usually includes compensation of offsite "like" habitat, usually at a ratio of at least 1:1. The establishment of buffer zones around retained/avoided drainages will likely be required. Buffer zones are typically at least 50 feet in width.

Migratory Bird Treaty Act (MBTA)
A variety of common bird species have no special status designations but are nevertheless protected by the MBTA. These include virtually all native migratory and resident bird species [e.g. killdeer (Charadrius vociferous)], common raven, common poorwill, greater roadrunner, verdin, and black-throated sparrow (Amphispiza bilineata), including birds already known to occur or having the potential to occur in the vicinity.

In order to avoid impacting nesting birds, avoidance of disturbance during the nesting season (generally February 1 through August 31) is recommended whenever and wherever possible. If avoidance of the nesting season is not feasible, additional impact avoidance and minimization measures may be required. These measures may include, but are not necessarily limited to, the following:

1) attendance of and compliance with a project-specific WEAP;
2) pre-construction clearance surveys;
3) biological monitoring;
4) establishment and observance of no disturbance buffer zones around active bird nests found during the daily preconstruction surveys until the young birds have fledged; and
5) trash containment and disposal to avoid attracting potential predators.

If nesting birds are found on a project site, work would not likely be permitted near the nest site (i.e., within the no disturbance buffer zone[s] surrounding nests) until young have fledged. While there is no established protocol for nest avoidance, when consulted the CDFW generally recommends avoidance buffers of about 500 feet for birds-of-prey, and 100–300 feet for songbirds. Routine monitoring of nests would document when the young have fledged. In the EIR, Mitigation Measure 4 was set forth in the Biological Resources discussion (Section III-D) to require site-specific nest surveys for the presence of migratory birds in accordance with established protocols and requirements of the Migratory Bird Treaty Act, prior to site disturbance. This is consistent with the recommendations made in the biological resources assessment for the 2018-001 Annexation.

Consistent with the EIR, mitigation measures recommended in the biological assessment report would be applicable to the 2018-001 Annexation. Furthermore, in addition to the payment of the requisite development fees and participation in the MSCHP/NCCP, which is designed to mitigate potential Project impacts to covered special-status biological resources occurring or potentially-occurring in the coverage area, additional measures designed to avoid and minimize impacts to the covered special-status biological resources potentially occurring on the Project site and/or immediately adjacent may also be required.

As the annexation area is currently undeveloped and undisturbed desert land, grading activities associated with the future development under the 2018-001 Annexation could affect undisturbed native soil/sediment that may contain biological resources. However, compared to Annexation 2008-001, the 2018-001 Annexation area encompasses approximately 50% fewer acres and, at buildout, could facilitate approximately 94% fewer residential units, 20% less commercial square footage, and 53% less industrial square footage compared to Annexation 2008-001.

Therefore, it decreases the potential for adverse impacts to biological resources and would not create any new impacts associated with these resources. Any such impacts would be less to those identified in the Certified EIR, and the same mitigation measures provided in the EIR would reduce impacts to less than significant levels.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Currently, the remaining County land is sparsely developed and would result up to 218 single-family residential units and 75,899 square feet of commercial space at build out. Impacts to biological resources for these lands will be similar to those identified for the 2018-001 Annexation, insofar as ground disturbance for residential and commercial development will result in loss of habitat for common species. Mitigation measures, including species-specific surveys, will be required by the County as development is proposed. However, given the low intensity of development resulting from Rural Living-designated lands, impacts would be reduced compared to those studied in the EIR. Overall, build out of the 2018-001 Annexation area, plus buildout of the remaining County lands, will result in somewhat reduced impacts from those disclosed in the EIR.

Summary of Impacts

There is a potential for the 2018-001 Annexation area, including development of the remaining County lands, to contain biological resources, and future development of both sites could result in adverse effects on these resources. Given the reduction in acreage and potential building square footage associated with the 2018-001 Annexation and remaining County lands, these impacts would be less than the impacts analyzed for Annexation 2008-001 in the EIR. Impacts would be reduced to less than significant levels through implementation of the mitigation measures provided in the biological assessment report and EIR. The proposed project will not result in any new significant impacts or increase the severity of impacts already identified in the EIR.

E. Cultural Resources

Summary of Findings in the EIR

Archaeological Resources
The EIR determined that most of the General Plan area had not been surveyed systematically for cultural resources. The older neighborhoods near the center of Town were developed long before

federal and state regulations began to require such surveys as a part of the planning process. The areas where new development occurred in recent decades have received much more survey coverage, especially along the Mojave River.

The EIR identified a total of 48 recorded historical/archaeological sites in the General Plan area. These included 16 prehistoric (Native American) archaeological sites and 32 historic-period sites. Seven 'pending' sites, all prehistoric in nature, had also been reported. In addition, a total of 28 isolates (localities with fewer than three artifacts) had been discovered in the area.

The EIR identified six of the recorded prehistoric sites and five of the 'pending' prehistoric sites as large Native American habitation areas/villages along or in close proximity to the banks of the Mojave River. Archaeological evidence for these sites included the presence of rock shelters, bedrock milling features, pictographs and/or petroglyphs on surfaces of boulders, human cremations and associated grave goods, aboriginal trails, and midden. Such clustering of large and extensive Native American living areas is indicative of a reliance on the Mojave River and its tributaries for the necessities of daily life.

The EIR stated that approximately one-third of the total acreage within the General Plan planning area had been systematically and intensively surveyed for cultural resources; however, many prehistoric and historic sites that remained unsurveyed would be at risk through being unidentified and unrecorded.

During preparation of the Cultural Resources Technical Report for the EIR, the NAHC confirmed that, according to a search of the Sacred Lands File, no sites were recorded within the General Plan planning area, including Annexation 2008-001. At the time, only one response from the Morongo Band of Mission Indians had been received. The Cultural Resources Coordinator for the tribe advised that the tribe was aware of several cultural resource sites to the south and southeast of the planning area, and made recommendations regarding project review and protection of resources as development occurred.

Historic Resources
Historic maps from the mid-1850s identified the only evidence of human activities in the vicinity of the General Plan planning area was the historic Mormon Trail. That trail was identified in the maps as "Road to Salt Lake City," and at the nearest spot, it traversed in a north-south direction approximately 3.5 miles west of the northerly portion of the planning area. No man-made features of any kind were observed within or adjacent to the planning area at that time.

The EIR determined that the settlement and development of Apple Valley during the historic period occurred in three phases: the 1860s to the 1880s; the 1890s to the mid-1940s; and 1946 to present day.

Early Settlement in Apple Valley (1860s-1880s): Due to later redevelopment, little physical remains of these early settlement activities can be found today.

Agrarian Development (1890s-1940s): None of these early ranches survived to the present time, but remains associated with their heyday may still be found in the less developed portions of the planning area.

Birth and Growth of the Town (1940s-Present): The majority of the buildings constructed during this period were typical for the early post-WWII era, featuring primarily the "rambling" California Ranch-style architecture.

Paleontological Resources
The EIR determined that any surface or subsurface Pleistocene-age (1,808,000 to 11,550 years ago) soils that are present in the planning area may have a high potential to contain significant nonrenewable paleontological resources. The older sediments along the Mojave River, and at unknown depths below the surface, were given a higher priority. The more elevated portions of the area contain substantial exposure of Mesozoic-age (65,000,000 to 245,000,000 years ago) rocks that may be devoid of fossils. Grading of shallow excavations in the younger Quaternary alluvium throughout most of the planning area was unlikely to uncover significant fossil remains.

In summary, the likelihood of encountering paleontological resources during future development projects within the boundaries of the General Plan area ranges from low to high, depending on the location and sediments encountered.

Conclusion
The EIR determined that it is likely that additional sites and structures may be discovered in areas of cultural resource sensitivity during future development of the planning area, including the Annexation 2008-001 area. Future development projects could potentially result in direct and/or indirect disturbance or destruction of sensitive archaeological and historic resources.

Impacts could include grading activities, site excavation, construction, and increased foot and vehicular traffic. Site surveys were required on all future developments on previously undeveloped land in areas identified as potentially sensitive for historic and prehistoric resources in the EIR to determine the presence and significance of archaeological and historic resources.

The EIR determined that future development in the planning area could also impact paleontological resources, should Pleistocene-age soils be disturbed by grading or excavation activities. Monitoring of grading activities by a qualified expert was required in areas where there is potential for disturbance to Pleistocene-age soils, to determine the presence and significance of such resources.

Annexation 2008-001
The EIR described that the Annexation 2008-001 area is located in an area previously identified as highly sensitive for archaeological resources, particularly prehistoric sites. Build out of this area could result in the disturbance and/or destruction of archaeological resources. Development activities, including grading, excavation, paving and building construction, as well as increased foot and vehicular traffic, could damage or destroy sensitive artifacts. The majority of the Annexation 2008-001 area has a low sensitivity for paleontological resources; however, the southwest corner has a high sensitivity rating.

The EIR stated that site surveys should be required as part of the initial project review process on all future development projects in sensitive areas. The mitigation measures provided in the EIR were applicable to all lands within the General Plan planning area, including the Annexation 2008-001 area, and were determined to reduce potential impacts to cultural and paleontological resources to less than significant levels.

Analysis of the Proposed 2018-001 Annexation

The 2018-001 Annexation area is currently undeveloped and undisturbed desert land. Grading activities associated with future development under the 2018-001 Annexation could affect previously undisturbed native soil/sediment that may contain archaeological or paleontological resources.

However, compared to Annexation 2008-001, the 2018-001 Annexation area encompasses approximately 53% fewer acres. Therefore, it decreases the potential for adverse impacts to cultural resources and would not create any new impacts associated with archaeological, historic, or paleontological resources. Any such impacts would be less to those identified in the EIR, and the same mitigation measures provided in the EIR would reduce impacts to less than significant levels.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

The County will continue to implement the policies and programs of the San Bernardino County General Plan, and would implement CEQA requirements for cultural resources as development is proposed on lands outside the 2018-001 Annexation area but within Annexation 2008-001. Because of the reduced intensity associated with Rural Living-designated lands, less ground disturbance would be expected, and potential impacts to cultural resources would be reduced when compared to that considered in the EIR. Overall, build out of the 2018-001 Annexation, plus buildout of the remaining County lands, will result into similar impacts that were disclosed in the EIR.

Summary of Impacts

There is a potential for the 2018-001 Annexation area and the remaining County lands to contain cultural resources, and future development could result in adverse effects on cultural resources. Given the reduction in acreage associated with the 2018-001 Annexation project, these impacts would be less than the impacts analyzed for Annexation 2008-001 in the EIR. However, with the development of both the 2018-001 Annexation area and the remaining County lands, impacts would be similar or somewhat less than what was analyzed in the EIR. Impacts would be reduced to less than significant levels through implementation of the mitigation measures provided in the Certified EIR. The proposed project will not result in any new significant impacts or increase the severity of impacts already identified in the EIR.

F. Geology and Soils

Summary of Findings in the EIR

The General Plan planning area is situated on gently sloping alluvial fans that range in elevation of approximately 3,400 feet above sea level near the base of the Fairview Mountains in the northeast to nearly 2,700 feet above sea level along the Mojave River in the west. Within the Town limits, notable geologic formations include Bell Mountain (3,897 feet above sea level) and Catholic Hill (3,645 feet above sea level). Other major features of the General Plan planning area include the Mojave River, a wide floodplain that runs along and defines a portion of Apple Valley's western boundary.

Soils and Geologic Units
There are six types of geologic deposits that underlie the General Plan planning area: artificial or man-made fill, very young or recent alluvium, young alluvial and landslide deposits, older alluvial fan and valley deposits, sedimentary rocks, and crystalline rocks.

Landslide and Slope Instability
An estimated 1,792.4 acres consist of hillside terrain and mountains in the Town, the majority of which are generally not developed, except for local mining operations. The EIR concluded that development has occurred at the base of steep slopes, and scattered residential, commercial, and other land uses are at risk of slope failure. Factors contributing to slope failure include slope height and steepness, shear strength and orientation of weak layers in the geologic units underlying the slope and water pressure between soil particles. Therefore, development should be minimized or avoided in areas that have greater than 15% slopes to limit potential impacts associated with slope instability and failure. The Development Code includes specific requirements and prohibitions for the construction of structures on slopes. These areas can be maintained as open space for recreation or health and safety. Where development is proposed adjacent to slopes, hillsides, and mountains, site-specific analyses that address the potential impacts of rock falls, landslides, and slope stability must be conducted to assess site-specific impacts and provide appropriate mitigation measures.

Compressible Soils
In the General Plan planning area, compressible soils are most likely to occur where young (Holocene-age) unconsolidated deposits are present, as well as active and recently active stream channels. In addition, compressible soils are commonly found in canyon bottoms, swales, and at the base of natural slopes. Compression is also associated with landslide deposits, particularly at the head and along the margins of the slide. Proper engineering and thorough geotechnical soils analyses can minimize potential hazards associated with compressible soils.

The EIR concluded that the planning area is primarily underlain by young alluvium that is potentially susceptible to collapse and compression. This potential is exacerbated when additional weight loads and/or pressure is applied.

Collapsible Soils
In the General Plan planning area, very young alluvial sediments that are granular in nature may be susceptible to adverse impacts to structures and infrastructure if not properly managed.

Expansive Soils
In the General Plan planning area, expansive soils are primarily associated with areas underlain by older fan deposits containing argillic (clay-rich) soil profiles, which are in the moderately expansive range. In addition, the Apple Valley Dry Lake contains very fine-grained silts and clays that are potentially expansive. Alluvial fan sediments, composed primarily of granular soils, underlie the low-lying areas of the Town and the expansion potential ranges from very low to moderately low.

The EIR concluded that the collapsible, compressible, and expansive soils can have adverse impacts on structures and infrastructure if not properly managed; therefore, site-specific studies must be conducted to evaluate soil parameters and determine the potential for soil collapse, compression, and expansion.

Ground Subsidence
The EIR determined that the Mojave River Groundwater Basin underlies the Town of Apple Valley and vicinity. Water extraction from the basin has historically occurred at rates that exceeded natural replenishment, leading to an overdraft condition in the basin. Groundwater levels in the basin dropped more than 100 feet between the 1950s and 1990s, and approximately 30 feet in the following 20 years. Overdraft of the water basin can lead to ground subsidence. Based on US Geological Survey and Mojave Water Agency studies of subsidence in the Mojave River Groundwater Basin, the closest subsidence area to the Town of Apple Valley is located approximately seven miles northwest.

The EIR concluded that, to date, subsidence has not been detected within Apple Valley's town limits. The continued implementation of groundwater conservation and recharge activities in the Apple Valley area contributes to the management of ground subsidence.

Soil Erosion

The EIR determined that the Town of Apple Valley and vicinity are subject to erosion, runoff, and sedimentation due to the extreme topographic relief between the valley and the surrounding hills and mountains. Human activities, such as land development, accelerate natural erosion by disturbing the ground surface, which can expose sediment deposits to wind and water transport, alter natural drainage patterns, and increase the potential for erosion and sedimentation. Local modification of geological conditions, such as an increase in impermeable surfaces, can result in geological changes elsewhere, such as an increase in the potential for flooding and sedimentation downstream. Natural events, such as wind and rain storms, can also lead to accelerated rates of erosion. The elevation difference between the Cajon Pass and the valley floor results in strong winds under certain climatic conditions.

The EIR determined that strong winds combined with sandy surface soils commonly found in Apple Valley have the potential to result in wind erosion that poses an environmental hazard.

Earthquake Faults and Ground Shaking

The General Plan planning area is located within a seismically active area (Seismic Risk Zone 4) and lies within approximately fifty miles of three active faults that are capable of generating earthquakes greater than 6.5 $M_{w.}$ Should an earthquake occur on one of these faults, the General Plan planning area and surrounding areas could be subject to peak ground accelerations greater than 0.13g, causing severe damage to buildings and structures.

The EIR determined that North Frontal and Helendale faults are the closest faults to the planning area and could generate the highest peak ground accelerations (1.13 and 0.75g, respectively). The North Frontal Fault is a south-dipping fault, partially blind reverse fault zone along the eastern flank of the San Bernardino Mountains and consists of several fault splays that have a combined total length of approximately 40 miles. Several of the fault splays interact with other nearby faults; the most significant of these is the Helendale Fault, which seems to right-laterally offset the North Frontal fault zone, dividing it into two main segments. Both the North Frontal and Helendale faults are designated as Alquist-Priolo Earthquake Fault Zones within portions of the planning area.

The EIR determined that surrounding geologic faults have the potential to cause moderate to extreme ground shaking and significant ground acceleration in the planning area. Seismic activity of this magnitude has the potential to result in direct damage to structures, property, and infrastructure, and/or generate indirect hazards such as slope instability, liquefaction, settlement, landslides, and seiche in Silverwood Lake and shallow lakes throughout the study area, and can cause a variety of localized hazards such as urban fires, dam failures, and toxic chemical releases.

Damage to infrastructure and utility systems could exacerbate post-earthquake conditions. There are many roadways within the area that could fail during an earthquake, which would impede traffic and restrict access to and from Apple Valley by emergency response teams. In addition, disruption to utilities, such as telephone, gas, energy, and water, could substantially affect efforts to alleviate damage and provide support, including fire suppression, and access to heating and cooling, and potable water.

The EIR determined that the seismic activity could also result in significant damage to smaller structures. The Town requires all new buildings to utilize reinforced masonry, as well as comply with the Uniform Building Code (UBC), which is expected to enable structures to resist major earthquakes without collapsing, although structural damage could occur. Unreinforced masonry buildings within the Town have been retrofitted in compliance with state law. In order to limit impacts associated with surface ruptures within Alquist-Priolo Earthquake Fault Zones, the Town is mandated by law to require that geological investigations, including but not limited to fault trenching, be performed if development is proposed in proximity to these zones.

The EIR included a range of mitigation measures that reduce potential project-related impacts to less than significant levels.

Annexation 2008-001

The EIR determined that Annexation 2008-001 would support a variety of land uses at build out, including residential, office, commercial, and industrial uses. Although build out would occur gradually over several years, the development of the annexation area had the potential to present geological hazards to people and structures. The soil underlying the Annexation 2008-001 area is comprised of very old alluvial valley deposits (Qvoa) with moderately consolidated sand and gravel. This sediment type, due to its age, may be more compact, and therefore provide better structural support compared to younger sediment types. However, clayey soils may have accumulated on the surface, which could result in expansion when saturated.

The EIR determined that the annexation area, like the rest of Apple Valley, is situated in close proximity to several faults that have the potential to cause strong to severe ground shaking, which could result in damage to structures, infrastructure, and persons, or generate seismically induced hazards. Site-specific analyses should be conducted prior to development to identify potential hazards and set forth effective mitigation measures. Development standards that minimize impacts from structural failure and promote the health and safety of residents must also be maintained during development.

Overall, the geotechnical impacts associated with buildout of the Annexation 2008-001 area would be less than significant with incorporation of mitigation measures provided in the EIR.

Analysis of the Proposed 2018-001 Annexation

The 2018-001 Annexation area is part of the Annexation 2008-001 area and, therefore, is characterized by the same geologic conditions and geotechnical constraints evaluated in the EIR.

Fault Rupture: The 2018-001 Annexation area is not located within an Alquist-Priolo Fault zone. The nearest active fault to the project site is the Helendale Fault located approximately 2 miles northeast of the site. Active faults with the potential for surface rupture are not known to be located beneath the project site. Therefore, there is no potential to expose people to impacts from fault rupture resulting from seismic activity during the design life of the buildings.

Seismic Ground Shaking: As discussed above, the 2018-001 Annexation area is located in a seismically active region (Seismic Risk Zone 4). There is potential for significant ground shaking to occur within the annexation area during a strong seismic event on the Helendale Fault and other active regional faults. According to the Geotechnical Background Report provided in the EIR, based on the location of the faults in the region, the maximum Peak Ground Acceleration (PGA) is 8.0g for the area. Ground shaking at this intensity could result in significant damage to buildings and improvements associated with build out of the 2018-001 Annexation area. This is considered a potentially significant impact; therefore, the Town requires that all new construction meet or exceed the Town ordinances and policies and the latest standards of the California Building Code (CBC) for construction in seismic hazard zones, which requires structural design that can accommodate maximum ground accelerations expected from known faults. Implementation of applicable mitigation measures set forth in the EIR would further ensure that potentially significant seismic-related groundshaking impacts would be reduced to less than significant levels.

Ground Failure: As indicated in the EIR, the project site is located in an area that has been identified by the State of California as being potentially susceptible to liquefaction, which can also result in secondary effects, such as lateral spreading and other earthquake-induced ground settlement. However, with implementation of applicable mitigation measures provided in the EIR, impacts to future development in the 2018-001 Annexation area would be reduced to less than significant levels.

Landslides: No slope areas considered susceptible to landslides or other slope failure exist in the 2018-001 Annexation area. Given the distance of natural slope areas from the project site and relatively flat topography on-site, no impacts related to landslides would occur in the 2018-001 Annexation area.

Soil Erosion or the loss of topsoil: Development activity in the 2018-001 Annexation area would have the potential to result in the erosion of soils; however, this potential would be reduced by implementation of standard erosion control measures imposed during site preparation and grading activities, consistent with that described in the EIR. Implementation of applicable mitigation measures identified in the EIR would further reduce potential impacts to less than significant levels.

Expansive Soil: The project area is characterized by sandy granular soils that exhibit low clay content and very low expansion potential. Although not anticipated, expansive soils, if encountered within the annexation area, would be removed and replaced as part of standard construction practices, pursuant to Town and CBC building requirements. Additional mitigation measures described in the EIR would further reduce potential impacts associated with expansive soils. Therefore, build out of the 2018-001 Annexation area would result in less than significant impacts associated with expansive soils.

Septic Tanks or Alternative Wastewater Disposal Systems: The annexation area is currently undeveloped. Build out of the 2018-001 Annexation area will result in increased wastewater production as compared to existing conditions. Wastewater infrastructure will need to be extended to the annexation area so that the Town's wastewater service can serve future development. New projects in the annexation area, that exceed regional water quality control discharge volumes, will be conditioned by the Town to connect to wastewater systems located south and east of the annexation area, thereby eliminating the potential for impacts associated with septic tanks.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Build out of the remaining County land would result in residential and commercial development in the same geological and soil conditions as discussed in the Town of Apple Valley General Plan. Future development of the remaining County land would be required to comply with all applicable rules and regulations related to geology and soils, including the Uniform Building Code. Overall, build out of the 2018-001 Annexation, plus buildout of the remaining County lands, will result into similar impacts to those disclosed in the EIR.

Summary of Impacts

Build out facilitated by the 2018-001 Annexation and the remaining County lands will result in the conversion of vacant lands to residential, commercial, and industrial uses in a seismically active region, and could expose people and structures to potential geotechnical hazards. However, compared to Annexation 2008-001, the 2018-001 Annexation decreases the potential impacts of these hazards by reducing the project's acreage by approximately 53%, residential, commercial, and industrial development potential by approximately 94%, 20%, and 53%, respectively. The development of the remaining County lands would include residential and commercial development, but would still result in less development than that analyzed in the EIR. Like Annexation 2008-001, development of the 2018-001 Annexation and the remaining County lands would conform with current Uniform Building Code (UBC) requirements, and the seismic safety requirements in the California Building Code (CBC). Potential hazards would be further reduced by implementation of the mitigation measures set forth in the EIR.

The 2018-001 Annexation would not generate new significant impacts or a substantial increase in previously identified impacts associated with geology and soils. There is no new information of substantial importance which was not known and could not have been known when the EIR was certified. However, with the reduction in the new annexation's build out potential, the cumulative impacts to geology and soils will be less than those disclosed in the EIR.

G. Hazardous and Toxic Materials

Summary of Findings in the EIR

The Hazardous Material Division of the San Bernardino County Fire Department is the administering agency and the Certified Unified Program Agency (CUPA) responsible for the regulation of hazardous materials for the Town. Standards established by the Town's Development Code are intended to ensure that the use, handling, storage, and transportation of hazardous materials comply with all applicable requirements of the State Government Code Section 65850.2 and Health and Safety Code Section 25505, and Article 80 of the Uniform Fire Code.

The Town's Multi Hazard Functional Planning Guidance Document (Multi Hazard Plan) establishes contingency plans when an incident involving hazardous materials occurs. The Town works with the Hazardous Materials Division (HMD) of the San Bernardino County Fire Department. The Hazardous Materials Team, a unit of the Apple Valley Fire District and a member of the San Bernardino County Hazardous Materials Team, responds to all calls received related to hazardous materials in Apple Valley, including fuel spills and the illegal dumping of unknown products in the Town and surrounding area, which are all part of the Fire District's service area. Local businesses must certify any hazardous materials at their facilities with the County HMD on an annual basis. HMD performs compliance inspections of facilities that handle hazardous materials, which are defined by the California Code of Regulations (Title 22).

Hazardous Sites
The EIR determined that there are a limited number of small quantity generators that use or produce hazardous materials in Apple Valley and surrounding areas. At the time the EIR was prepared, there were 15 properties within the planning area that were listed in environmental databases. Of those 15 properties, 11 were listed as a result of generating, using, and/or disposing relatively small quantities of potentially hazardous materials from their business location, with no material releases having been reported on these properties. Significant hazardous material releases into the underlying soil and groundwater were not suspected at these locations.

The EIR found that there were no large quantity generators of hazardous waste in the Town of Apple Valley.

A search of the US EPA Envirofacts Data Warehouse did not identify any Federal Superfund Sites (NPL), State Response Sites, Voluntary Cleanup Sites, School Cleanup Sites, Permitted Sites, or Corrective Action Sites. The search did identify 7 school investigation sites, all of which required no further action since no hazards were found. A search for Leaking Underground Fuel Tank (LUFT) cleanup sites identified 15 spills within the Town.

The EIR determined that approximately 560 acres within the North Apple Valley Industrial Specific Plan, which is located southeast of the proposed annexation area, were previously used as a practice bombing range by the U.S. Army Air Force during World War II. This area, formerly referred to as Victorville Pre Bomb Range N-1, may contain potential hazards due to the presence of known or suspected military munitions and explosives of concern.

Airport Safety
The Apple Valley Airport, located at 21284 Corwin Road, has a moderate to high potential for hazardous material spills. The airport is permitted to discharge less than 1,000 gallons per day of treated sewage, which is considered a minor threat to groundwater. In addition, the site contains four underground fuel storage tanks, none of which have any reported spills or leaks.

The EIR determined that the San Bernardino County Department of Airports manages the maintenance and operation of the Apple Valley Airport. Two primary hazards derived from aviation activities include noise and aviation safety.

Emergency Response
At the time the EIR was prepared, the County of San Bernardino was developing mass evacuation plans for each region within the County, but the high desert region plan had not been completed.

The EIR determined that the Atchison Topeka and Santa Fe Railroad, Interstate 15, and Highway 18 may be used in the transfer of hazardous wastes and materials within the planning area. Therefore, the potential exists for spills and leaks from moving sources along these corridors, including within the proposed annexation area. The California Highway Patrol (CHP) is responsible for cleaning up hazardous waste spills that occur in or along freeways, and coordinating with California Department of Transportation (Caltrans) and the local sheriff and fire departments for additional enforcement and routing assistance. These two agencies' regulations will continue to govern the transport of hazardous materials through Town and the region.

Potential Impacts
Although no "large scale" hazardous waste producing industries were planned for the planning area, a number of businesses have the potential to use hazardous materials and produce hazardous wastes. Commercial and industrial service providers, such as dry cleaners, film processors, mechanics, and others, have the potential to use and produce hazardous materials and wastes. These hazardous material users and hazardous waste generators are regulated by county, state, and federal law, and are required to comply with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, chapter 6.5) and the California Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5).

The EIR determined that the planned increase in the residential population resulting from build out of the General Plan and two annexation areas would lead to an associated increase in the use of common household cleaners, batteries, fluorescent tubes, mercury-containing devices, and electronics. In order to safely dispose of these wastes, the San Bernardino County Fire Department maintained a collection facility, located at 22411 Highway 18, which accepted a wide variety of household wastes. This facility, or similar facilities, was expected to continue to operate through the build out of the General Plan and annexation area.

The EIR concluded that approximately 560 acres in the west-central portion of the General Plan study area was formerly used as a practice bombing range by the U.S. Army Air Force during World War II. Based on the Environmental Records Review of the Phase I Environmental Assessment prepared for the Town of Apple Valley, a formerly used defense site (FUDS) summary reported that this property contains a high risk due to unexploded ordnances. Further background study was to be required for the former bombing range prior to development to reduce the potential impacts at this location to less than significant levels.

Annexation 2008-001
The EIR determined that Annexation 2008-001 had the potential to result in 7,135,369 square feet of commercial space, 7,782,275 square feet of industrial space, and a total of 4,236 residential units at build out. Growth and development of this annexation area would increase the frequency of transport, use, and disposal of hazardous materials associated with residential, commercial, and industrial growth. The area was generally undeveloped and was not likely to contain contaminated or potentially contaminated sites; however, site-specific analyses were to be conducted to determine potential areas of known and/or potential soil and/or groundwater contamination.

The EIR concluded that the impacts associated with hazards and hazardous materials would be less than significant, because requirements imposed by the Town, County, state, and federal agencies would regulate any hazardous materials transport, storage, or use. The EIR determined that there was no need for additional mitigation measures beyond these standard requirements; nonetheless, it identified several mitigation measures that would help ensure impacts remained at less than significant levels over the long term.

Analysis of the Proposed 2018-001 Annexation

The 2018-001 Annexation area is located in the western portion of the Annexation 2008-001 area analyzed in the EIR. Hazardous materials monitoring and emergency response within the annexation area will be covered by the Hazardous Material Division of the San Bernardino County Fire Department. Currently, the annexation area is undeveloped, and no potential hazardous material sources have been identified.

Build out of the 2018-001 Annexation area has the potential to result in 247 residential units, 5,657,059 square feet of commercial space, and 3,646,216 square feet of industrial space. Compared to Annexation 2008-001, this represents a decrease in potential urban development, and an associated decrease in the potential for hazardous materials related incidents to occur. Land uses proposed in the 2018-001 Annexation area are similar to those proposed by Annexation 2008-001, and no unusual or particularly hazardous uses are anticipated. Therefore, the new annexation would not create any new impacts associated with hazardous and toxic materials, and any such impacts would be less than those identified in the EIR.

The western boundary of the 2018-001 Annexation area is in close proximity to Interstate 15, which is used to transport hazardous materials. However, the Town's required setbacks and other development standards would minimize potential hazardous materials impacts along this corridor. Hazardous incidents would be controlled by established emergency response procedures implemented by the California Highway Patrol (CHP), California Department of Transportation (Caltrans), and the local sheriff and fire departments.

Grading, excavation, and construction activities within the 2018-001 Annexation area have the potential to expose and disturb soils, and surface water runoff could be degraded onsite. In addition, the storage and use of hazardous materials at individual properties as they develop, such as paints, solvents, and fuels, could be potential sources of pollutants. However, continued implementation of existing laws and regulations will ensure that hazardous materials and wastes are used, stored, transported, and disposed of appropriately. Future development within the annexation area will also be required to meet the standards of the Town's Multi Hazard Plan and Municipal Code – Chapter 6.20: Solid Waste Regulations during construction and operation phases.

The 2018-001 Annexation would not create any new or increased impacts associated with hazards or hazardous materials, and given that it reduces the total acreage and development potential compared to Annexation 2008-001, any such impacts would be less than those identified in the EIR. Like Annexation 2008-001, implementation of the mitigation measures set forth in the EIR will assure that impacts remain at less than significant levels.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Build out of the remaining County lands would result in residential and commercial development. Once developed, cleaners, solvents, fertilizers, and pesticides will be used at individual properties for routine cleaning and landscaping. Future development of the remaining County land would be required to comply with all applicable rules and regulations, including federal and State laws, and with County requirements associated with the storage, use and transport of these products for commercial purposes. The reduction in intensity of development in this area, when compared to that analyzed in the EIR, would result in a reduction in potential impacts, insofar as less quantities of household cleaners, solvents and fertilizers will be used than would have been under the EIR development scenario. Overall, build out of the 2018-001 Annexation area, plus buildout of the remaining County lands, will result into lower impacts than were disclosed in the EIR.

Summary of Impacts

The 2018-001 Annexation and build out of the remaining County lands would not involve new significant impacts or a substantial increase in previously identified impacts associated with hazards and hazardous materials. Additionally, there are no substantial changes to the circumstances under which the 2018-001 Annexation will be undertaken, and no new information of substantial importance, which was not known and could not have been known

when the EIR was certified. The impacts associated with hazards and hazardous materials will be less than those disclosed in the EIR. With the build out of both the 2018-001 Annexation area and the remaining County lands, impacts would be less than what was analyzed in the EIR.

H. Hydrology

Summary of Findings in the EIR

The EIR determined that the General Plan planning area is located within the boundaries of the Alto Subbasin, which consists of water bearing strata underlying a 35-mile length of the Mojave River. The Mojave River is the primary natural source of recharge for the subbasin.

The General Plan planning area is located in the southern portion of the Mojave Desert where the climate is characteristic of a high desert ecosystem, which experiences extreme fluctuations of daily temperature, strong seasonal winds, and receives less than 5 inches of annual precipitation. Most of the streambeds in the region are dry much of the year except for periods of spring runoff and from flows associated with intense rainstorms.

The Mojave River is the major watercourse in the region, and is fed by several tributary dry washes, the largest of which, the Bell Mountain Wash, is a natural channel that collects runoff primarily from the north and west. The Desert Knolls Wash, which contains a partially lined concrete drainage basin, is a smaller wash that drains the area west of Catholic Hill. There are also several small, unnamed drainages that channel flows from the western part of the Ord Mountains towards the Mojave River. Other watercourses flow into the Apple Valley Dry Lake. The Apple Valley Dry Lake is the largest playa in the area, collecting runoff from most of Apple Valley. The Reeves Dry Lake, a smaller playa to the east of the planning area in the central part of Fairview Valley, collects runoff from the adjacent mountains.

The General Plan planning area has historically been subject to flooding and associated hazards, such as mudflows, during severe summer storm events. The winter rainfall in February and March of 1938 stands as the benchmark for damaging storms in the Apple Valley area; during this event, peak stream flow for Deep Creek was estimated at more than 46,000 cubic feet per second, and flows in the Mojave River increased to more than 70,000 cubic feet per second.

The San Bernardino Flood Control District is responsible for management of regional drainage facilities, and the Town is responsible for management of local drainage facilities. The EIR stated that existing drainage infrastructure and plans for improvement are described in the Apple Valley Master Plan of Drainage and the Apple Valley West/Desert Knolls Master Plan of Drainage. Areas identified within the 100-year flood zone are primarily associated with Apple Valley Dry Lake, Desert Knolls Wash, and the Mojave River; however, a large portion of the area had not been studied by FEMA and flood hazards were undetermined. The southwesterly portion of Town is subject to flooding resulting from failure of the upstream Mojave River Forks Dam; inundation in other areas could also occur as a result of failure of above-ground water tanks at multiple locations in and surrounding the Town limits.

The EIR concluded that as the population grows, development pressure will amplify flood hazards, as urbanization and associated impervious surfaces, such as roadways, sidewalks, and parking lots, increase. Water that would at one time have been absorbed into the ground will be dispersed as runoff to downstream areas. Future development also has the potential to alter existing drainage patterns and, in some areas, to result in the accumulation of a significant amount of debris during large storms.

To minimize the potential impacts on hydrology, the EIR included requirements for the preparation of hydrologic studies for new developments within the Town, as well as continued implementation of flood hazard reduction measures in the Town's Development Code, Grading Ordinance, Subdivision Ordinance, Flood Hazard Overlay Ordinance, and other applicable regulations.

Annexation 2008-001
The EIR determined that the Annexation 2008-001 area was largely undeveloped, and included several shallow, dry washes (ephemeral streams) of relatively small width which flow southeasterly throughout the annexation area. Portions of Bell Mountain Wash, previously described, occur in the Annexation 2008-001 area. This annexation area is designated by FEMA as Zone D, which is within the floodplain but not within the Special Flood Hazard Area (SFHA).

The EIR concluded that build out of Annexation 2008-001 would result in smaller scale developments (i.e. residential, commercial, and industrial uses) which would increase impervious surfaces, reduce permeable soils, and require the installation of retention/detention basins and other on-site flood control facilities. Site-specific analyses were to be conducted prior to development that would identify potential hazards, and set forth effective mitigation measures and development measures that minimize hydrological impacts and promote the health and safety of residents. Future development within the General Plan planning area, including the Annexation 2008-001 area, would require that developers obtain any applicable state and federal regulatory permitting for activities that involve disturbance to stream banks or beds. The EIR included a variety of mitigation measures to reduce potential hydrological impacts. With implementation of these mitigation measures, impacts associated with hydrology were considered to be less than significant.

Analysis of the Proposed 2018-001 Annexation

Hydrological conditions in the 2018-001 Annexation area are identical to those analyzed for Annexation 2008-001 in the EIR. The 2018-001 Annexation area remains undeveloped but contains paved and unpaved roads; therefore, there are limited impervious surfaces onsite. Like the Annexation 2008-001 area, the 2018-001 Annexation area contains portions of the Bell Mountain Wash and several shallow and dry washes (ephemeral streams). The flooding potential of the area has not been reevaluated by FEMA since the EIR was prepared and is, therefore, still designated as Zone D which means these areas are within the floodplain but not within the Special Flood Hazard Area (SFHA).

Conversion of the 2018-001 Annexation area from undeveloped land to residential, commercial, and industrial uses would increase impervious surfaces, such as rooftops, roads, parking lots and driveways, which in turn would increase runoff. This runoff could contain oil and grease, heavy metals, chemicals, and other pollutants. However, the management of urban runoff would be subject to Town, San Bernardino Flood Control District, RWQCB, and other requirements and would require the construction of onsite infiltration facilities, retention basins, and/or other water quality protection features. Stormwater retention basins would be sized according to final drainage calculations based on site-specific impervious areas and hydrologic analysis. However, the 2018-001 Annexation area encompasses approximately 48% of the acreage contained within the Annexation 2008-001 area, and will result in a substantial reduction in development square footage, thereby generating smaller amounts of grading, building footprints, and impervious surfaces than Annexation 2008-001. Therefore, impacts associated with hydrology and surface water pollution will be less than what was analyzed in the EIR for Annexation 2008-001.

Implementation of the 2018-001 Annexation, like Annexation 2008-001, would not expose people and/or structures to flood hazards from dam failure, as the area is outside of established dam inundation pathways (EIR Exhibit III-13). Like Annexation 2008-001, development in the 2018-001 Annexation area could be subject to seismically-induced seiche from above-ground water tanks. However, seiche-related hazards can be expected to be less than those anticipated under Annexation 2008-001 because the proposed 2018-001 Annexation area involves fewer acres and development potential than Annexation 2008-001, and does not propose new or different land uses that would increase hydrological hazards. All development within the 2018-001 Annexation, like Annexation 2008-001, would comply with all applicable federal, state, and local laws and regulations related to hydrology, drainage, and flooding.

The Apple Valley Master Plan of Drainage and Town of Apple Valley Flood Hazard Overlay Ordinance contain various policies related to hydrology, drainage, and flooding. In addition, the Town's General Plan and the State and Federal Clean Water Acts also contain policies relevant to hydrology that will be applicable to development within the 2018-001 Annexation area.

Like the 2008-001 Annexation, build out of the 2018-001 Annexation area would require compliance with applicable regulatory requirements, which include implementation of project-specific SWPPPs to address water quality impacts during construction activities and/or implementation of unique project design features, and Best Management Practices (BMPs) to ensure that construction and operational water quality impacts are less than significant. Based on the similar pattern of development with a reduced intensity resulting from the 2018-001 Annexation, impacts associated with the 2018-001 Annexation would also be less than significant.

Implementation of the 2018-001 Annexation would not result in any new impacts or increase the severity of a previously identified significant impact as previously analyzed in the EIR. Overall impacts are expected to be less than previously identified in the EIR due to reductions in project area acreage and development potential. Therefore, implementation of the 2018-001 Annexation would not result in any new adverse impacts or increase the severity of previously identified significant impacts in the Certified EIR.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

As with the land included in the 2018-001 Annexation, future development of the remaining County land would be required to comply with all applicable rules and regulations related to hydrology, including federal and State laws, and County's requirements for the protection of structures, and of water quality through NPDES and similar standard requirements.

Summary of Impacts

Future development in the proposed 2018-001 Annexation area and the remaining County lands shall be required to be designed to meet or exceed requirements for storm water retention, consistent with the analysis provided in the EIR. The 2018-001 Annexation and the remaining County lands would result in a lesser amount of grading, building footprints, and impervious surfaces compared to Annexation 2008-01. Therefore, the 2018-001 Annexation would not create any new impacts associated with hydrology during construction or operation, and any such impacts would be less than those identified in the EIR. Like Annexation 2008-001, development within the 2018-001 Annexation area and the remaining County lands will be subject to the applicable mitigation measures set forth in the EIR to assure impacts remain at less than significant levels.

I. Water Quality and Resources

Summary of Findings in the EIR

The Town of Apple Valley and Annexation 2008-001 area are located within the boundaries of the Mojave River Groundwater Basin (the Basin) and are under the jurisdiction of the Colorado River Basin Regional Quality Control Board (CRWQCB). The Basin comprises an approximately 1,400 square mile area along the Mojave River and has an estimated groundwater storage capacity of 5 million acre-feet.

The region is subject to temperature extremes, ranging from 20°F in the winter months to more than 100°F in the summer, with variations based on elevation. Average annual rainfall is approximately 5 inches. The region is also subject to intense seasonal storms.

The Mojave River is the primary natural source of recharge for the Basin; most of the streambed is dry much of the year, except for periods of spring runoff and from flows associated with intense rainstorms. The topographic relief that runs along the Mojave River on the west side of the Town generally divides local drainage.

The EIR determined that the Basin is comprised of several subsurface aquifers, or subareas (known as the Alto, Baja, Centro, Este, and Oeste), and falls within the Mojave Water Agency (MWA) management area. MWA is responsible for managing the long-term reliability of surface and groundwater within its service area, which is approximately 4,900 square miles. MWA is a State Water Project (SWP) contractor and has an SWP water allocation of 75,800 acre-feet per year. The SWP includes 660 miles of aqueduct and conveyance facilities, and delivers SWP water to MWA for storage and distribution.

The Basin was in a condition known as overdraft, wherein groundwater discharge exceeds recharge, resulting in a net reduction in groundwater stored in the aquifer. Modeling data prepared by the U. S. Geological Survey (USGS) indicated that the overdraft condition began in the Centro and Baja subareas in the 1950s, and by 1960 was present in all subareas of the Basin.

The Town of Apple Valley and Annexation 2008-001 area are located near the center of the Alto Subarea of the Mojave River Groundwater Basin. The Alto Subarea consists of water-bearing strata underlying a 35-mile length of the Mojave River. It is recharged by snowmelt from the San Bernardino Mountains via the Mojave River. Due to its proximity to the headwaters of the Mojave River, the subarea has the largest water supply in the Basin. It contains approximately 82,400 acre-feet of water; outflows and losses were estimated at 47,700 acre-feet, yielding an estimated net volume of water of 34,700 acre-feet. An additional 75,800 acre-feet of State Water Project (SWP) entitlements are available to MWA.

The EIR determined that a number of local water purveyors contract with MWA for water to serve the Town and surrounding area. Table 10, extracted from data provided in the EIR, shows the general service area, number of service connections, and capacity of these water purveyors.

Table 10
Local Water Purveyors Serving the Town of Apple Valley
General Plan Planning Area

Water Company	Service Area	Number of Service Connections	Capacity
Apple Valley Ranchos Water Company (now known as Liberty Utilities Apple Valley)	Majority of the Town and General Plan planning area	19,000	11 million gallons
Apple Valley Foothill County Water District	2 square miles	180	150,000 gallons
Apple Valley Heights County Water District	2 square miles	290	260,000 gallons
Apple Valley View Mutual Water Company	1 square mile	100	25,000 gallons
County Service Area 64	4 square miles	3,801	2.65 million gallons
Golden State Water Company	Northeastern and southern portions of the Town	2,847	-
Juniper Rivera County Water District	2 square miles	168	150,000 gallons
Mariana Ranchos County Water District	7 square miles	650	900,000 gallons
Rancheritos Mutual Water Company	1.25 square miles	269	-
Thunderbird County Water District	2 square miles	325	410,000 gallons
Navajo Mutual Water Company	-	80	-

The EIR indicated that annual water production was 16,527 acre-feet for Liberty Utilities (formerly Apple Valley Ranchos Water Company (AVRWC) (2007), and 1,205 acre-feet for Golden State Water Company (2005). Water production by both companies has steadily increased over time.

Regional Water Supply
The EIR indicated that the Town relies on precipitation and runoff from adjacent mountains for groundwater recharge, as well as from imported water. MWA had established a groundwater replenishment program for the Mojave Water Basin, including the Alto Subarea. The purpose of this program was to reduce annual and cumulative groundwater overdraft through artificial recharge to the groundwater basin.

2007 Production
The EIR indicated that water production data (water withdrawals) from AVRWC showed that the water table in the Alto Subarea has steadily declined. In 2007, the annual water production was 5,385 million gallons from the Alto Subarea.

Imported Water
The EIR indicated that to ensure adequate recharge and to achieve the Court-mandated balance in the Basin, MWA relied on imported water from two primary sources. These include California State Water Project (SWP) water, and "banked" or conjunctive use water from the Metropolitan Water District (MWD). As a State Water Project contractor, MWA imports SWP water for groundwater recharge. MWA had an annual allocation of 75,800 acre-feet, which included 25,000 acre-feet that MWA purchased from Berrenda-Mesa Water District in 1998. MWA uses factors of 69% under 2005 demands to 77% under 2025 conditions to estimate the reliability of SWP deliveries. Based on these factors, MWA expected to receive between 53,800 and 58,400 acre-feet annually, should it request its full entitlement. The average dry year supply was estimated at 43,200 acre-feet/year, and 22,900 acre-feet/year over multiple dry years. Between 1972 and 2001, MWA received approximately 150,000 acre-feet of water from the SWP.

MWA also has an agreement with the MWD that allows MWD to store up to 75,000 acre-feet of water in the Mojave basin. This is referred to as "conjunctive use" or "water banking," in exchange for which MWD is entitled to an equal amount of water in the event of a significant drought.

The EIR indicated that based on year 2010 estimates, MWA estimated that approximately 119,300 acre-feet/year were available through natural supplies and SWP allocations annually (2010 projection). AVRWC estimated that water supply sources in 2005 were 17,818 acre feet, which included its FPA allotment, additional groundwater replacement water purchased from MWA, and purchased water rights. It estimated increased supplies of 29,067 acre-feet per year in 2010, of which 69% would be purchased as replacement groundwater from MWA.

Water Conservation
The Town of Apple Valley has adopted a Water Conservation Plan Ordinance (Development Code Chapter 9.75) regulating water use and prohibiting wasteful water use practices, such as excessive runoff of landscape irrigation water and washing driveways and walkways with water. The Ordinance establishes penalties for violation of these regulations. In addition, MWA has established a goal of 10% municipal conservation by 2020. In an effort to meet this goal, development within the Town is to be consistent with the MWA Urban Water Management Plan.

Water Demand Projections
The EIR determined that estimated future water service demands at General Plan build out, including Annexations 2008-001 and 2008-002, would be 95,999.8 acre-feet per year.

Table 11
Estimated Future Water Service Demands at General Plan Build Out

Area	Water Demand Ac-ft/Yr
General Plan Build Out including annexation lands	95,999.8
Annexation 2008-001 area	6,476.4
Annexation 2008-002 area	1,301.5
Town of Apple Valley	88,221.90
Water Demand Factors used in the EIR: Residential: 208 GPCPD Commercial: 1.98 Ac-Ft/Ac/Year Industrial: 1.61 Ac-Ft/Ac/Year Other Uses: 2.88 Ac-Ft/Ac/Year	

Annexation 2008-001
The EIR stated that Annexation 2008-001 area was not serviced by any of the water purveyors listed in Table 10, above. Water for existing development, which was limited to scattered single-family residential development, was provided by private wells or water delivered by private haulers for storage in privately owned underground storage tanks.

The EIR determined that build out of Annexation 2008-001 could result in the development of approximately 4,236 dwelling units. Based on an average household size of 3.125 persons, Annexation 2008-001 was estimated to have a build out population of 13,238. Table 12, extracted from the EIR, shows estimated water demand within the annexation area.

Table 12
Estimated Water Demand at Build Out of Annexation 2008-001 Area

Land Use	Units	Demand Factor	Demand Ac-ft/Yr
	No. of Persons	**Gallons Per Capita Per Day (GPCPD)**	
Residential	13,238	208.00	3,082.8
	AC	**Ac-Ft/Ac/Year**	**Ac-ft/Yr**
Commercial	773	1.98	1,530.6
Industrial	812	1.61	1,307.4
Other Uses	193	2.88	555.6
		Subtotal Non-Residential:	**3,393.6**
		TOTAL:	**6,476.4**

The EIR determined that build out of the Annexation 2008-001 area would contribute to cumulative increases in the demand for domestic water resources. Build out of the General Plan area, including the proposed Annexation 2008-001, would result in significant impacts to water resources, and the EIR included mitigation measures to reduce potential impacts to less than significant levels.

Analysis of the Proposed 2018-001 Annexation, and the Proposed 2018-001 Annexation Plus Remaining County Lands

The 2018-001 Annexation area is largely undeveloped and contains no water users. Build out of the 2018-001 Annexation area could result in development of up to 247 dwelling units. Since certification of the EIR, average household size in the Town has been reduced slightly, to 2.99 persons per household in 2017.[7] Based on this household size, the 2018-001 Annexation area could have a build out population of approximately 739 persons. In addition to the development contained in the 2018-001 Annexation area, the balance of the lands which would now remain in the County would generate up to 218 single family homes and up to 75,899 square feet of commercial square footage. These land uses are included in Table 13, below, in order to account for all development potential in the area. For the remaining County lands, the household size of 2.99 persons could generate approximately 652 persons.

The water purveyors whose demand factors were used in the EIR have recently updated their water demand factors for residential, commercial, and industrial land uses. To calculate the water demand for the proposed 2018-001 Annexation and remaining County lands, current water demand factors were used, and are shown in Tables 13 and 14, respectively. Due to increased conservation in recent drought years, this estimate is expected to be conservative, but provides a direct correlation between the EIR analysis and the proposed 2018-001 Annexation's impacts.

Table 13
Estimated Water Demand at Build Out of Proposed 2018-001 Annexation Area

Land Use	Units	Demand Factor	Demand Ac-ft/Yr
	No. of Persons	**Gallons Per Capita Per Day (GPCPD)**	
Residential	739	233	193
	AC	**Ac-Ft/Ac/Year**	**Ac-ft/Yr**
Commercial	590.31	1.92	1,133.39
Industrial	380.48	0.51	194.04
Other Uses (Street Rights-of-Way)	92.2	-	-
		Subtotal Non-Residential:	**1,327.43**
		TOTAL:	**1,520.43**

Source:
Residential factor from Liberty Utilities (formerly AVRWC (2010)) based on historical consumption for residential uses.
Commercial factors based on CVWD (2016) factor for Commercial Land Use, assuming 35% return flow.
Industrial factor based on CVWD (2016) factor for Industrial Land Use, based on 35% return flow.

[7] "City/County Population and Housing Estimates, 1/1/2017" prepared by the California Department of Finance.

Table 14
Estimated Water Demand at Build Out of Remaining County Lands

Land Use	Units	Demand Factor	Demand Ac-ft/Yr
	No. of Persons	**Gallons Per Capita Per Day (GPCPD)**	
Residential	652	233	170.8
	AC	**Ac-Ft/Ac/Year**	**Ac-ft/Yr**
Commercial	7.92	1.92	15.20
		TOTAL:	**186**

Source:
Residential factor from AVRWC (2010) based on historical consumption for residential uses.
Commercial factors based on CVWD (2016) factor for Commercial Land Use, assuming 35% return flow.
Industrial factor based on CVWD (2016) factor for Industrial Land Use, based on 35% return flow.

The tables above show that an estimated 1,706.43 AFY of water would be consumed at build out of the 2018-001 Annexation area and the remaining County lands, of which approximately 363.8 AFY would be from residential uses and approximately 1,342.63 AFY would be for commercial and industrial development. Compared to Annexation 2008-001, this represents approximately 4,769.97 fewer AFY of water consumed.

The EIR determined that Apple Valley Ranchos Water Company (now known as Liberty Utilities Apple Valley) has sufficient water supplies for its service area through year 2025 under normal and drought conditions. It concluded that sufficient water should be available to serve the entire General Plan planning area, which includes the 2018-001 Annexation area, through year 2025. Because of the significant reduction in water demand as a result of the build out of the 2018-001 Annexation area and the remaining County lands, impacts associated with water resources will be significantly reduced at build out of the current proposal.

In addition, future development in the 2018-001 Annexation area and remaining County lands will be subject to water usage restrictions and all applicable rules and regulations to control water usage and runoff. The annexation area has the same setting related to water resources/quality, including the same hydrologic and flooding history, climate, surface and groundwater background, and soils, as that analyzed in the EIR. During construction and at buildout, urban runoff resulting from storm flows could carry pollutants into the Mojave River and Bell Mountain Wash. To minimize the discharge and transport of pollutants, the Town and County will require future development to control the volume and rate of storm water runoff to prevent any deterioration of water quality, consistent with the standard requirements contained in NPDES permits. It is anticipated that future development in the 2018-001 Annexation area will be connected to the community sewer system. The sewer system will be subject to California Regional Water Quality Control Board (CRWQCB) approval.

Summary of Impacts

The 2018-001 Annexation area plus remaining County lands will facilitate less urban development than what was analyzed in the EIR for Annexation 2008-001, and generate a total water demand of 1,706.43 AFY, which is 4,769.97 AFY less than what was analyzed in the EIR. This will contribute to cumulative impacts on groundwater resources in the region, including a reduction in the amount of potable groundwater in storage to a much lesser degree than previously analyzed. Impacts will be less than those projected in the EIR.

Development within the proposed 2018-001 Annexation, like Annexation 2008-001, will be required to demonstrate that all the future developments would be designed to meet the Town's requirements for water quality and consumption, consistent with the analysis provided in the EIR.

The proposed annexation will not result in new or significantly greater impacts than those analyzed in the EIR. Impacts associated with water resources/quality will be significantly reduced, and are expected to be less than significant with the implementation of the mitigation measures included in the EIR.

J. Land Use, Population, and Housing

Summary of Findings in the EIR

The Apple Valley General Plan that was in effect at the time the 2009 General Plan was proposed allocated land uses for all incorporated areas, resulting in a total of up to 50,053 residential units, 28,608,875 square feet of commercial land uses, and 37,848,814 square feet of industrial land uses at build out within Town limits. Build out of that General Plan would have resulted in a build out population of 152,813 within the Town limits, based on a 2008 Department of Finance household size of 3.053 persons per household.

The EIR determined that Apple Valley has developed most densely along major roadways in the Town (i.e. State Highway 18 and Bear Valley Road). Existing development became gradually less dense north of Highway 18 to Waalew Road, north of which existing development was scattered and relatively limited. The area surrounding the airport was comprised of lands that had been developed to a limited extent for industrial uses. The airport is centrally located within the approved North Apple Valley Industrial Specific Plan (NAVISP) area that provides for the industrial and commercial development of these lands.

Commercial centers in the Town include the Village commercial area along State Highway 18 between Navajo Road and Central Road; retail and office uses between Rancherias Road and Dale Evans Parkway, north to Thunderbird Road along Highway 18, in the vicinity of Town Hall and other public facilities associated with the Civic Center complex; and further west along Highway 18, near its intersection with Corwin Road, St. Mary Medical Center and associated medical offices and other commercial uses occur. The most recent and substantial commercial development in Town had occurred on Bear Valley Road.

Residential development in Apple Valley is concentrated in the southern and central portions of the Town, generally south of Waalew Road. Residential densities in these areas range from very low to high densities (1 dwelling unit per 5 acres or more, to 20 dwelling units per acre). The majority of single-family development in the Town occurs on lots of between 0.5 and 2.5 acres.

The EIR determined that the Town has numerous public and private open space areas, including parks and recreational facilities operated by the Town and parks associated with Apple Valley Unified School District (AVUSD) schools. Other recreational and open spaces include golf courses, and natural open space associated with the Mojave River, Apple Valley Dry Lake, Bell Mountain, and other notable landforms. Institutional development and public facilities are located amidst residential and other types of development.

Demographic Information
The EIR analyzed U.S. Census data and determined that the population in the Town of Apple Valley grew from 46,079 in 1990 to 54,239 by 2000, an increase of approximately 17.7%. At the time the EIR was prepared (2008), the population was 70,092.

In 1990, the median age in Apple Valley was 30.8 years; by 2000, it had increased to 35.4 years. As of 2008, there were 24,925 housing units in the Town; this had increased from year 2000, when there were 20,161 housing units. There was an average of 2.903 persons per household in 2000; by 2008, this average had increased to 3.053.

The median household income in Apple Valley in 2000 was $40,421, and had risen by approximately 34.4% in 2008, to $54,323.

The median home price for existing homes in Apple Valley was $338,000 in third quarter 2007, and had fallen to $220,000 by third quarter 2008. At the time the EIR was prepared, home ownership was considered affordable to moderate income households in Apple Valley. However, new home prices exceeded those of the overall County of San Bernardino for the same period.

General Plan Build Out Impacts
The General Plan planning area analyzed in the EIR included 46,948.3 acres in the Town limits and 3,579.7 acres in two annexation areas. The proposed land use plan did not significantly change existing development patterns or land use designations within the Town limits. Within the annexation areas, it proposed a mix of residential (30.5%), commercial (18.9%), industrial (45.1%) and other (5.5%) land uses. At build out, the land use plan would have increased the number of residential units to 63,749 and increased the population to 194,931 when the Town limits and the two annexation areas were combined. It would have also increased the amount of commercial and industrial development. However, it would not have significantly changed the existing character of the Town because the same policies and development standards that had been applied to existing development were anticipated to be applied to future development, and impacts were determined to be less than significant within the Town limits.

Annexation 2008-001

According to the EIR, there were approximately 2,774.6 acres within the Annexation 2008-001 area. Of these, approximately 2,565.9 acres (92%) were vacant and undeveloped desert lands. The remaining approximately 8% were sparsely developed with single-family residences and paved and unpaved roadways. Lands in this annexation area were designated and zoned for Rural Living, Rural Living-5 (minimum 5-acre lots) and Neighborhood Commercial under the County General Plan.

The land use plan in the County General Plan for Annexation 2008-001 included almost exclusively low intensity residential development, with only a small (7.9 acre) area of commercially designated land in the northeast corner of the area. At build out, the annexation area would have included 2,067 residential units and 53,192 square feet of commercial development, as shown in Table 15.

Table 15
Statistical Summary of Land Uses
County General Plan – Annexation 2008-001

Land Use Designation	Developed	Vacant	Total			
Residential Designations				**Existing Units**	**Potential Units**	**Total Units**
Rural Living	151.6	1,982.4	2,134.0		1,982	1,982
Rural Living, 5 AC.	14.2	425.5	439.7		85	85
			Total	**-**	**2,067**	**2,067**
Commercial Designations				**Existing SF**	**Potential SF**	**Total SF**
Neighborhood Commercial		7.9	7.9	**-**	**53,192**	**53,192**
Other Designations						
Street Rights-of-Way	42.8	150.1	192.9			
Grand Total	**208.7**	**2,565.9**	**2,774.6**			

The EIR analyzed the changes in land use designation proposed for Annexation 2008-001, which would have resulted in up to 4,236 residential units, 7,135,369 square feet of commercial development, and 7,782,275 square feet of industrial development at build out, as shown in Table 16.

Table 16
Statistical Summary of Land Uses
Town of Apple Valley General Plan – Annexation 2008-001

Land Use Designation	Developed	Vacant	Total	Existing Units	Potential Units	Total Units
Residential Designations						
Estate Residential	55.7	722.3	778.0		722	722
Medium Density Residential	41.4	177.3	218.7		2,659	2,659
Mixed Use	0.0	94.8	94.9		854	854
			1,091.6	**-**	**4,236**	**4,236**
Commercial Designations				**Existing SF**	**Potential SF**	**Total SF**
Mixed Use	0.0	94.9	94.9	-	636,612	636,612
General Commercial	11.7	40.8	52.6	112,202	391,415	503,617
Regional Commercial	7.2	435.3	442.5	69,069	4,171,433	4,240,502
Office Professional	0.0	183.1	183.1	-	1,754,639	1,754,639
			773.0	**181,271**	**6,954,099**	**7,135,369**
Industrial Designations				**Existing SF**	**Potential SF**	**Total SF**
Planned Industrial	49.72	762.4	812.1	**476,523**	**7,305,753**	**7,782,275**
Other Designations						
Street Rights-of-Way	42.8	150.1	192.9			
Grand Total	**208.7**	**2,565.9**	**2,774.6**			

The EIR determined that, as development occurred in Annexation 2008-001, the rural character of existing scattered residential development and open space would be changed significantly by the proposed land use designations. Impacts were expected to be reduced, to some extent, by implementation of General Plan policies and programs designed to provide buffers between residential and commercial or industrial land uses. The Town's Development Code also included such standards, which would require any development to appropriately protect surrounding residential development. It was determined that development of the area would not displace a substantial number of homes or residents. Development in the annexation area was not expected to occur in the short-term due to a lack of available infrastructure and economic constraints. Nonetheless, in the mid- to long-term, development would occur in this area, and impacts resulting from proposed land use changes could not be mitigated to less than significant levels. As a result, the anticipated changes in land use designations within Annexation 2008-001 were determined to be significant and unavoidable.

Analysis of the Proposed 2018-001 Annexation, and the 2018-001 Annexation Plus Remaining County Lands

Demographics

Based on U.S. Census Bureau data, the population in the Town of Apple Valley grew from 69,135 in 2010 to 72,553 by 2016, an increase of approximately 4.95%.[8]

In 2010, the median age in Apple Valley was 35.2 years, whereas in 2015 it had increased to 37.5 years. As of 2015, there were 26,436 housing units in the Town; this figure had increased from year 2010, when there were 24,683 housing units. There was an average of 3.43 persons per household in 2010; by 2017 this average had decreased to 2.99.[9]

The median household income in Apple Valley in 2010 was $50,066, which had declined by approximately 4.25% in 2015, to $47,938. The median value of new homes in Apple Valley also dropped from $262,100 in 2010 to $179,600 in 2015.[10]

Proposed Land Use Plan

The proposed 2018-001 Annexation land use plan encompasses 1,304 acres, and includes residential, commercial and industrial land uses. Table 17 shows the proposed land uses, acreages, and development potential within the annexation area. If the area were to build out under the proposed land use designations, a total of 247 residential units, 5,657,058 square feet of commercial space, and 3,646,216 square feet of industrial space would be developed. In addition, approximately 86.4 acres would be improved as street right-of-way.

[8] U.S. Census Bureau; https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF, Accessed August 2017.

[9] California Department of Finance, 2017.

[10] U.S. Census Bureau; https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF, Accessed August 2017.

Table 17
Summary of 2018-001 Annexation Land Use Plan

Land Use Designation	Developed	Vacant	Total			
Residential Designations				**Existing Units**	**Potential Units**	**Total Units**
Estate Residential	0.0	246.86	246.86		247	247
*Street Rights-of-Way**	0.0	16.1	16.1			
Total			**263**			
Commercial Designations				**Existing SF**	**Potential SF**	**Total SF**
General Commercial	0.0	13.99	13.99	-	134,069	134,069
*Street Rights-of-Way**		1.01	1.01			
Total			**15**			
Regional Commercial	0.0	381.4	381.4	-	3,655,032	3,655,032
*Street Rights-of-Way**		27.6	27.6			
Total			**409**			
Office Professional	0.0	194.92	194.92	-	1,867,957	1,867,957
*Street Rights-of-Way**		14.1	14.1			
Total			**209**		**5,657,059**	**5,657,059**
Industrial Designations				**Existing SF**	**Potential SF**	**Total SF**
Planned Industrial	0.0	461.61	380.48	**-**	**3,646,216**	**3,646,216**
*Street Rights-of-Way**		33.39	27.52			
Total			**408**			
Other Designations						
Street Rights-of-Way*	0.0	86.4	**86.4**			
Grand Total	**0.0**		**1,304.0**		**3,646,216**	**9,303,275**
*Based on a ratio of 5.4 miles of roadway for every 1 square mile						

Comparison of the 2018-001 Annexation and Annexation 2008-001 Build Out Potential
As shown in Table 16, the 2018-001 Annexation area covers approximately 1,304 acres, or 53% of the area covered by Annexation 2008-001. The balance of these lands (1,470 acres) would remain under County jurisdiction, and would result in 1,337.8 acres of residential land with a build out potential of 218 units, and 7.92 acres of commercial land with a build out potential of 75,899 square feet.

The 2018-001 Annexation and remaining County land, combined, would result in a total of 1,585 acres of residential lands with 465 residential units, a reduction of 3,771 units compared to build out under the General Plan land use plan; a total of 598.2 acres of commercial land with 5,732,958 square feet of commercial space, reduction of 1,402,411 square feet compared to build out under the General Plan land use plan; and a total of 380.48 acres of industrial land with 3,646,216 square feet of industrial space, reduction of 4,136,059 square feet compared to build out under the General Plan land use plan. Finally, as shown in Table 18, the 2018-001 Annexation would result in a substantial decrease in total population within the area, when compared to the build out population of Annexation 2008-001 due to the decrease in residential units.

Table 18
Comparison of Potential Build Out Population
Annexation 2008-001
vs. 2018-001 Annexation

	Number of Dwelling Units	Average household size	Estimated Build Out Population
Annexation 2008-001	4,236	3.125	13,238
2018-001 Annexation:			
2018-001 Annexation area	247	2.99*	739
Remaining County lands	218	2.99*	652
		2018-001 Annexation Total:	1,391
		Difference	**- 11,847 ***

***** Based on updated (2017) average household size

The 2018-001 Annexation represents a significant decrease in overall development intensity, and in potential land use impacts when compared to those analyzed in the EIR. Further, the maintenance of existing very low intensity residential land uses on 1,337.8 acres of land that would remain in the County would significantly reduce the potential for significant change in the character of the area. Lands included in the 2018-001 Annexation primarily about the Interstate 15 right of way, and are better suited for higher intensity development. These lands will also provide a buffer to the more rural land uses that will develop under County regulations. Therefore, the implementation of the 2018-001 Annexation will significantly reduce land use, housing, and population impacts compared to the Annexation 2008-001 impacts described in the EIR.

Other Land Use and Planning Impacts

The 2018-001 Annexation area is undeveloped, and no established communities are located within the area that could be physically divided by future development. Lands remaining in the County represent the east half of Annexation 2008-001, and they will continue to develop over time in a rural character which will allow the development of neighborhoods and the establishment of a community. Therefore, no impacts related to the physical division of an established community would result from the 2018-001 Annexation.

As discussed in the EIR, implementation of the 2018-001 Annexation would not conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, the Town General Plan, Town Municipal Code, County General Plan, and County Development Code) adopted for the purpose of avoiding or mitigating an environmental effect, insofar as development would be controlled by each jurisdiction in a manner consistent with its policies and standards.

The 2018-001 Annexation would have no potential to conflict with a Habitat Conservation Plan or Natural Community Conservation Plan, since the project site is not located within or adjacent to a designated reserve area. Furthermore, the lands within the 2018-001 Annexation will be subject to the requirements of the MSHCP, when implemented, including the payment of development impact fees and the implementation of its standards. As such, no impact would occur, and implementation of the 2018-001 Annexation would not result in any new impacts or increase the severity of a previously identified significant impact as analyzed in the EIR.

Summary of Impacts

Land Use:
Compared to Annexation 2008-001, impacts will be lesser than what was analyzed in the EIR due to a decrease in annexation acreage and development intensity. Lands remaining in the County will retain the rural character of the area and will not develop at the intensities previously considered in the EIR. The lands within the 2018-001 Annexation area will develop at the intensities considered in the EIR and, at build out, will constitute a substantial change in character compared to existing conditions. Although the 2018-001 Annexation will substantially decrease land use impacts, the impacts at build out will remain significant, as they were in the EIR.

Population:
As discussed above, the 247 residential units estimated at build out of the 2018-001 Annexation would generate a population of approximately 739 persons within the annexation area. The 218 residential units estimated at build out of the remaining County lands would generate a population of approximately 652 persons. These two areas would result in a combined estimated population of 1,391 at build out. Estimates are based on the 2017 average household size of 2.99 persons. Impacts will be less than that projected for the Annexation 2008-001 (13,238), resulting in a reduction in build out population of 11,847 persons.

Housing:
Implementation of the 2018-001 Annexation will result in the development of up to 247 residential units in the Annexation 2018-001 area and up to 218 residential units on the remaining County lands. This decreases the number of residential units by 3,771, a substantial reduction from what was analyzed for Annexation 2008-001 in the EIR. However, housing planned within Town limits and in the annexation area is sufficient to meet the Town's long term anticipated growth, as determined by the Southern California Association of Governments, which anticipates a need for 34,800 housing units in 2040.[11]

[11] 2016-2040 RTP STS, Demographics and Growth Forecast, Southern California Association of Governments, April 2016.

K. Mineral Resources

Summary of Findings in the EIR

The EIR determined that the mineral resources located within the Town of Apple Valley are found primarily along or near the Mojave River or in the surrounding mountains, and include sand, gravel, and stone deposits that are suitable as sources of concrete aggregate. The Town has designated 452.5 acres for mineral resources land use. Of this, approximately 111.56 acres were developed for mining and processing of aggregate materials, and the remaining 340.95 acres were designated for the use and production of mineral resources. The EIR stated that the mining activities may be incompatible with surrounding land uses, as dust, noise, and heavy truck traffic may create conflicts with residential and commercial uses. The designation of mineral resources land use therefore has some impact on the potential uses of adjacent lands, and development proposals could be submitted to the Town that may generate land use conflicts with aggregate and limestone quarries. However, thoughtful application of the Town's land use policies will reduce potential impacts from adjacent conflicting land uses to less than significant levels.

Annexation 2008-001
The EIR determined that impacts from mineral resource operations would impact the Annexation 2008-001 area to the same extent they impact other northern parts of the planning area. Land use designations within the annexation area have been determined to be compatible with mineral resource operations. Implementation of the Town's policies and standards concerning effective buffering, maintenance of air quality, and control of noise and light emissions will reduce potential impacts in the annexation area to less than significant levels.

The EIR included a number of mitigation measures to ensure the reduction of potential impacts resulting from mineral resource extraction to acceptable levels.

Analysis of the Proposed 2018-001 Annexation

The proposed 2018-001 Annexation area is designated as MRZ 3a, defined as "areas containing known mineral deposits of undetermined significance. Further exploration work within these areas could result in the reclassification of specific localities into MRZ-2a or MRZ-2b categories." No known State-designated mineral resource areas have been identified within the annexation area or surrounding areas. Neither Annexation 2008-001 nor the 2018-001 Annexation propose heavy industrial uses or mineral development activities. Further, implementation of the 2018-001 Annexation would not impede the potential for direct use or future exploration of mineral resources.

In the General Plan Land Use Map, the 2018-001 Annexation area is designated for residential, commercial, and light industrial development. Build out of the 2018-001 Annexation area would result in a lesser number of residential, commercial, and industrial units and square footage as compared to Annexation 2008-001. The development of the proposed annexation area will be in accordance with the requirements of the General Plan, Town Development Code, and other applicable regulations.

There will be no impact of the 2018-001 Annexation on mineral resources. However, mineral resource operations in the surrounding areas could generate dust, noise, and heavy truck traffic that impact the 2018-001 Annexation. Implementation of the Town's policies and standards concerning effective buffering, maintenance of air quality, and control of noise and light emissions will reduce potential impacts in the annexation area to less than significant levels.

Therefore, like Annexation 2008-001, the new annexation would result in less than significant impacts regarding mineral resources. Overall, implementation of the 2018-001 Annexation would not result in any new impacts or increase the severity of a previously identified significant impact as previously analyzed in the Certified EIR.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

As discussed earlier, the remaining County lands are designated for residential and commercial development. This area is also designated as MRZ 3a. No known State- designated mineral resource areas have been identified within the remaining County land. Neither the 2018-001 Annexation nor the remaining County land incorporate heavy industrial uses or propose mineral development activities. Therefore, like the 2018-001 Annexation, the development of the remaining County lands would result in less than significant impacts regarding mineral resources.

Future development of the remaining County lands would be required to comply with all applicable County policies and regulations regarding proximity to mineral resource activities.

Overall, development of the 2018-001 Annexation plus the remaining County lands would not result in any new impacts or increase the severity of a previously identified significant impact previously analyzed in the EIR.

Summary of Impacts

Build out of the 2018-001 Annexation would result in a reduction of land disturbance compared to Annexation 2008-001. Impacts would be less than those identified in the EIR, and less than significant overall, and implementation of the mitigation measures provided in the EIR will reduce impacts even further. The project would not result in new significant environmental effects or a substantial increase in the severity of previously identified significant effects. Buildout of the Proposed 2018-001 Annexation plus the remaining County lands would result in similar impacts to those disclosed in the EIR for Annexation 2008-001.

L. Noise

Summary of Findings in the EIR

The EIR determined that the Town of Apple Valley generally enjoys a quiet noise environment. The community noise environment is dominated primarily by motor vehicle traffic on highways and major arterials, including U.S. Interstate 15, which forms a portion of the Town's northwest boundary and the westerly boundary of both Annexation 2008-001 and the 2018-001 Annexation. Other noise generators in the local environment include operations associated with general aviation aircraft at the Apple Valley Airport in the northeast portion of the General Plan planning area, and rail lines that serve local and regional mineral extraction operations and have a limited impact on portions of the planning area to the north, south, and west.

There are a variety of noise sensitive land uses throughout the General Plan planning area, including but not limited to schools, hospitals, rest homes, long-term care facilities, residential uses, places of worship, libraries, and passive recreation areas. Potential land use incompatibilities related to noise occur when residential areas or other sensitive receptors are located in proximity to industrial and commercial uses.

Noise Level Increases Over Existing Conditions
Future noise contours along roadways in the General Plan area were modeled to ascertain the extent of future noise impacts associated with General Plan build out. The build out of the General Plan was expected to result in increases in noise levels of up to 16.3 dBA CNEL over existing conditions. Increases in noise levels were expected to be perceptible to land uses adjacent to 44 roadway segments in the planning area.

Impacts from Proposed Truck and Bus Routes
The EIR determined that the primary through truck routes would continue to be located along major roads, including Interstate 15, Bear Valley Road, State Route 18, Central Road, Deep Creek Road south of Bear Valley Road, and along the future High Desert Corridor. Additional truck traffic along these roadways was expected to increase noise impacts to adjacent development, which along some roadway segments includes sensitive receptors such as residential development, schools, the hospital, and others. Mitigation measures were set forth in the EIR to address noise impacts along truck routes.

Future bus routes were expected to provide for new and expanded service along major roadways, such as Central Road, Bear Valley Road, Kiowa Road and others in the intermediate term, and along Apple Valley Road, Corwin Road, and other roadways in the central and northern portions of the planning area over the long term. Impacts were expected to be at least partially off-set by reductions in other vehicular traffic associated with increased use of public transportation. The Town was to continue to monitor noise impacts associated with expanded and additional bus routes and bus stops where these were planned near sensitive receptors. Mitigation measures were set forth in the EIR to address these issues.

Impacts from Railroad Noise
The EIR determined that the proposed General Plan and annexations would not result in changes to operations along existing freight rail lines in the planning area. However, it was assumed that freight train traffic would double over existing conditions, and that noise generated by trains would occur more often compared to existing conditions.

Impact from Airport Operations
The EIR determined that the County of San Bernardino planned to expand the Apple Valley Airport into a hub to better serve industrial and commercial development in and adjacent to the North Apple Valley Industrial Specific Plan area, in which the airport is located. At the time the EIR was prepared, the County had recently approved the construction of airport upgrades, including 18 new hangars, and improvements to the terminal and taxiways to accommodate larger corporate aircraft. The EIR determined that no significant impacts were anticipated to residential development or other land uses in the vicinity.

Construction Noise
The EIR determined that during the construction of projects leading to General Plan build out, site grading and preparation would generate the loudest noise levels, beyond the level of comfort to the human ear. Construction noise would be generally short-term and could be mitigated to acceptable levels by adherence to the noise standards of the Municipal Code and a variety of other mitigation measures that were provided in the EIR.

Annexation 2008-001
The EIR determined that, at build out, Annexation 2008-001 would include up to 4,236 residential units, 7,135,369 square feet of commercial development, and 7,782,275 square feet of industrial development. Buildout of Annexation 2008-001 represented substantial increases over existing development and had the potential to result in adverse impacts to the existing noise environment. Noise impacts were expected to be primarily associated with temporary construction noises and gradually increasing traffic volumes as this area developed. Site-specific design features that mitigate noise impacts would need to be implemented to limit noise impacts to acceptable levels. All noise associated with new development in the annexation area would be subject to the Town's noise ordinance and other mitigation measures described in the EIR. With the implementation of mitigation measures, build out of Annexation 2008-001 would result in less than significant impacts associated with noise.

Summary of Impacts
Overall, the EIR determined that the proposed General Plan and annexations would result in increases to community noise levels from increased urbanization and associated activities, including short-term construction noise, and increases in motor vehicle traffic and other modes of transportation. Site-specific impacts would be mitigated on a project-by-project basis at the time such development was proposed. The EIR included a number of mitigation measures to ensure the reduction of potential noise impacts to acceptable levels.

Analysis of the Proposed 2018-001 Annexation

The 2018-001 Annexation will result in the introduction of urban uses on lands that are currently vacant, and will therefore increase noise levels in and around the area. Primary noise sources will include motor vehicle traffic, noise from refrigeration and heating/ventilation/air conditioning (HVAC) units, landscape equipment, and construction machinery. The 2018-001 Annexation area is located within the boundaries of Annexation 2008-001, for which noise impacts were previously analyzed as part of the EIR. Compared to Annexation 2008-001, the 2018-001 annexation decreases potential noise impacts in the area by reducing the overall development potential of the annexation area. The 2018-001 Annexation proposes land use categories that are similar to those proposed under Annexation 2008-001, and does not propose any land uses that would substantially alter the noise environment compared to Annexation 2008-001, such as heavy industrial operations or high-speed transportation corridors.

As with Annexation 2008-001, land uses adjacent to Interstate 15 and other major roadways will be subject to higher noise levels from traffic on these roadways. However, as with Annexation 2008-001, the land uses proposed along the Interstate 15 corridor will not include sensitive receptors, as these lands are designated for less sensitive commercial and light industrial uses. The southeastern portion of the annexation area, which would develop in residential land uses, is well east of the Interstate 15 corridor, and will be buffered from noise by intervening commercial and light industrial buildings and projects. Lands to the east of the 2018-001 Annexation area, which will remain in the County and will develop at very low residential densities, will not result in any noise impacts to the annexation area. Site-specific noise analyses will be required on a project-by-project basis to identify effective noise reduction measures, as needed. Structures will be required to meet the most recent version of the California Building Code noise insulation standards. Adherence to the noise standards set forth in the Municipal Code and other regulations, as well as implementation of the mitigation measures provided in the EIR, will reduce potential noise impacts to less than significant levels. Noise impacts to these areas, therefore, will be similar to those considered in the EIR, and will not result in any greater impacts than those analyzed in the EIR.

Like Annexation 2008-001, construction activities associated with build out of Annexation 2018-001 would be required to comply with the City's allowable construction hours, and would also be temporary in nature. Since temporary construction noise is exempt from the City's noise ordinance requirements, construction-related noise would result in less than significant noise impacts. The same mitigation measures provided in the EIR would be required as part of any future development to ensure that the noise impacts associated with construction activities would be reduced to the maximum extent feasible. Therefore, construction-related noise under Annexation 2018-001 would not result in any new impacts or increase the severity of a previously identified significant impact previously analyzed in the EIR.

Post-construction activities would include residential, commercial, and industrial operations that would not be expected to generate long-term or excessive groundborne noise or vibration. Groundborne noise or vibration under Annexation 2018-001 is expected to be less than

significant and less than that of Annexation 2008-01 due to reduced overall acreage and development potential. Long-term operations would not result in any new impacts or increase the severity of a previously identified significant impact as previously analyzed in the EIR.

The 2018-001 Annexation area is not located in the vicinity of a private airstrip. Given the Annexation area's distance from the Apple Valley Airport and its location outside of the airport's 60-dBA noise contour, adverse aircraft noise impacts are not expected to occur. Like Annexation 2008-001, the 2018-001 Annexation would not result in the exposure of people residing or working in the area to excessive airport-related noise levels.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

The remaining County land is partially developed and would result in residential and commercial development, which will generate moderate noise levels. Future development of the remaining County land would be required to comply with all applicable rules and regulations related to noise, including federal and State laws, and County policies and regulations relating to noise impacts. The development of low density residential lands in this area will generate noise levels lower than those analyzed in the EIR because low intensity residential uses would occur.

Overall, build out of the 2018-001 Annexation will result in impacts that are lower than what was analyzed for Annexation 2008-001 in the EIR.

M. Public Services and Facilities

Summary of Findings in the EIR

Service Providers
The EIR determined that the General Plan planning area is located within the service boundaries of a wide range of public services and facilities providers, which are listed below.

- **Public Schools:** Apple Valley Unified School District
- **Library Services:** San Bernardino County Library System
- **Law Enforcement:** Apple Valley Police Department/San Bernardino County Sheriff's Department
- **Fire Protection:** Apple Valley Fire Protection District
- **Health Services:** St. Mary Medical Center
- **Electricity:** Southern California Edison
- **Natural Gas:** Southwest Gas Company
- **Telephone Services, Internet and Cable Television:** Verizon, Charter Communications
- **Domestic Water:** Apple Valley Ranchos Water Company, Golden State Water Company, various small water purveyors
- **Wastewater Collection/Treatment:** Town of Apple Valley Public Works Division, Victor Valley Wastewater Reclamation Authority
- **Solid Waste Management:** Burrtec Waste Industries

Schools

The EIR determined that the Apple Valley Unified School District (AVUSD) operates 18 schools within its District, including 9 elementary, 3 middle, and 2 high schools, as well as one continuation school in the General Plan planning area. In addition, at the time the EIR was certified, AVUSD was operating an alternative education center offering adult education, a magnet school, and a charter school. Table 18, reproduced from the EIR, identifies the AVUSD schools, locations, grades served, 2007-08 school enrollment, and total capacity.

Table 19
Apple Valley Unified School District Schools

School	Location	Grades Served	Enrollment (2007-08)	Capacity
Elementary				
Desert Knolls	18213 Symeron Drive	K-5	529	795
Mariana	10601 Manhasset Rd.	K-5	609	702
Mojave Mesa	15552 Wichita Rd.	K-5	607	655
Rancho Verde	14334 Pioneer Road	K-5	716	725
Rio Vista	13590 Havasu Road	K-5	693	795
Sandia	21331 Sandia Rd.	K-5	757	795
Sitting Bull	19355 Sitting Bull Rd.	K-5	569	761
Sycamore Rocks	23450 South Road	K-5, Visual/Perf. Arts	557	725
Yucca Loma	21351 Yucca Loma Road	K-5	669	865
Middle				
Apple Valley	12555 Navajo Road	6-8	921	1,664
Sitting Bull	19445 Sitting Bull Road	6-8, Technology	1,267	1,231
Vista Campana	20700 Thunderbird Road	6-8	876	1,408
High Schools				
Apple Valley	11837 Navajo Road	9-12	1,978	2,813
Granite Hills	22900 Esaws Road	9-12	2,140	2,494
Willow Park	21950 Nisqually Road	9-12	147	406
Other				
Alternative Education Center	13063 Pawnee Road	K-12	498	N/A[1]
Academy for Academic Excellence (LewisCenter; Charter)	20702 Thunderbird Road	K-2	120	120
Academy for Academic Excellence (Lewis Center; Charter)	17500 Mana Road	3-12	855	880
Vanguard Preparatory (Magnet)	12951 Mesquite Road	K-8	1,192	1,086
Adult Education			39	N/A[3]

Source: Town of Apple Valley General Plan and Annexations 2008-001 & 2008-002/Environmental Impact Report (Table III-52).

The EIR described that the District completed an update to its Master Plan in 2007, which planned for facilities over a six-year period, through 2012. It was also determined that the District generally purchases property and plans for new facilities in proximity to areas where the Town has approved Tract maps.

The EIR explained that Assembly Bill 2926, passed by the California State Legislature in 1986, allows school districts to assess development fees for construction and reconstruction of public schools. At the time, the EIR was prepared, the AVUSD development fees were as follows:

- Residential (new construction): $3.60 per square foot; and
- Commercial (all): $0.47 per square foot

Private Schools and Higher Education Institutions
The EIR determined that there were several private schools in the Town, including Apple Valley Child Care Center, Apple Valley Christian School, Valley Christian Schools, Apple Valley Private School Learning Center, Apple Valley Village School, High Desert Haven, St. Timothy's Episcopal School, St. Mary's Regional Catholic School, and Mojave Christian.

Higher education institutions serving residents of the Town and the region included Victor Valley College in the City of Victorville, and Redlands University. In addition to its primary campus in Redlands, the University offered evening courses at the AVUSD Academy for Academic Excellence (AAE) school site on Mana Road in Apple Valley.

Other Educational Initiatives
At the time, the EIR was certified, the AAE and Redlands University were exploring the potential for future development of a four-year college or university at the campus. The college was envisioned as a partnership between several colleges and universities in the region and would focus on providing teacher education and credentialing.

The EIR determined that, at build out, the proposed General Plan and annexation areas were expected to result in the construction of approximately 63,749 dwelling units. Based on AVUSD student generation factors by grade level and type of residential development, the build out enrollment was projected to be 29,899 (Table III-53 in the EIR).

Annexation 2008-001

The EIR determined that the AVUSD District boundaries included the Annexation 2008-001 area, and AVUSD would provide public education services and facilities to that area. Build out of the annexation area was expected to result in development of 4,236 dwelling units, resulting in 1,598 buildout enrollments.

The EIR stated that the since new development would occur over time, student populations would also be expected to increase gradually, and were therefore not expected to significantly impact AVUSD schools. AVUSD facilities planning would provide for new school sites as population within the District increased, based on tract map approvals within the Town. Further, AVUSD would continue to receive developer impact fees for residential, commercial, and industrial development. While these measures were expected to minimize impacts to AVUSD schools, mitigation measures were set forth in the EIR to ensure that any potential adverse effects to public schools were reduced even further.

Analysis of the Proposed 2018-001 Annexation

Build out of the 2018-001 Annexation area has the potential to result in 247 single family residential units. Based on the same student generation rates used in the EIR, this would result in approximately 59 new enrollments in elementary schools, 35 new enrollments in middle schools, and 45 new enrollments in high schools in the area, for a total of 139 new students. Compared to Annexation 2008-001, this represents a significant decrease in potential residential development and associated build out enrollments. At build out, the 2018-001 annexation is expected to generate fewer students and would not create new impacts associated with public services and facilities. Impacts would be less than those identified in the Certified EIR.

The latest AVUSD development fees (2018) are given below:

- Residential (new construction): $3.48 per square foot (for single family residents);
  : $ 0.56 per square foot (senior single family residents);
- Commercial (all): $0.56 per square foot

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Build out of the 2018-001 Annexation area plus the remaining County lands has the potential to result in 465 residential units, and based on the student generation rates provided in the EIR, approximately 111 new elementary school enrollments, 65 middle school enrollments, and 84 high school enrollments, for a total of 260 new students. Compared to Annexation 2008-001, this represents an 84% decrease in potential enrollments. At build out, the new annexation, including the remaining County lands, will generate substantially fewer students, and would result in lesser impacts to schools. The 2018-001 Annexation would not create any new impacts associated with schools, and such impacts would be less than those identified in the EIR.

Libraries

The EIR determined that the Newton T. Bass Apple Valley Library, located adjacent to Town Hall off of Dale Evans Parkway, was a 19,142 square foot facility that provided Apple Valley residents access to over 20,000 hardcopy books as well as an online database containing electronic periodicals, magazines, and encyclopedias. The library offered a number of programs and community events, including resources for illiterate and visually impaired residents, the LITE program for younger children, the Kids and Crafts program for children ages 5 to 12, and programs geared towards teens. Adult programs included the free literacy program, book and poetry clubs, and volunteer opportunities.

At the time EIR was certified, the estimated Town population was 70,092, for which the public library in Apple Valley was providing approximately 0.27 square feet of library space per capita. The County Plan indicated that additional library funding would be needed to meet a standard of 0.5 to 0.6 square feet per capita, and addressed expansion of the library in Apple Valley to provide facilities consistent with the national average, approximately 0.45 square feet per capita.

The EIR determined that the library facilities would require expansion in the future to meet future demand as the Town's population increased. The Town and the County of San Bernardino were to continue to monitor library circulation data, and a plan for expansion of services and facilities would also be needed. At the time EIR was certified, there was no indication that the library in Apple Valley was over-utilized or unable to meet the demand generated by residents. Impacts to library services were found to be less than significant with the implementation of mitigation measures.

Annexation 2008-001

The EIR determined that at build out, Annexation 2008-001 was expected to have a population of 13,238. Based on the standard of 0.45 square feet per capita that is indicated in the County's Master Plan, the build out population of the annexation area would be adequately served by approximately 5,957 square feet of library facilities.

The EIR also determined that development facilitated by the General Plan and Annexation 2008-001 was expected to occur gradually, which would not result in immediate impacts to County library services.

Overall, without mitigation, impacts associated with build out of the proposed General Plan and Annexation 2008-001 were expected to be significant. Therefore, mitigation measures were set forth in the EIR to ensure that any potential adverse effects to libraries would be reduced to less than significant levels.

Analysis of the Proposed 2018-001 Annexation

At build out, the new annexation is expected to generate a smaller population (i.e. 739 persons), which in turn would result in a need for 333 square feet of library space. This demand would be less than significant, and would not create any new impacts associated with library services. Impacts would be less than those identified in the EIR.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

At build out, the 2018-001 Annexation area and the remaining County lands are expected to generate a population of up to 1,391, and an associated demand for library space of approximately 626 square feet. This demand would be less than that identified in the EIR, because of the reduction in population resulting from the current annexation proposal. The build out of the 2018-001 Annexation and remaining County lands would not create any new impacts associated with libraries, and any such impacts would be less than those identified in the EIR.

Law Enforcement

The EIR determined that the Town of Apple Valley contracts with the San Bernardino County Sheriff's Department for law enforcement services within the Town limits. At the time EIR was certified, the Annexation 2008-001 area was also under the jurisdiction of the Sheriff's Department.

The Apple Valley Police Department was located in the Apple Valley Civic Center at 14931 Dale Evans Parkway. There was also an un-staffed substation used for report writing and other administrative tasks located at 21989 Outer State Highway 18. Staffing at the Apple Valley Police Department consisted of 49 sworn personnel and 14 civilian/general employees. The Department had set a target ratio of 1 deputy per 1,500 residents.

The EIR determined that the implementation of the General Plan and Annexation 2008-001 was expected to result in a total build out population of approximately 194,931 residents. To maintain the target ratio of 1 deputy per 1,500 residents at General Plan build out would require a total of 130 deputies, which is an increase of 81 deputies as compared with 2009 staffing levels. This would require a significant increase in the number of deputies and level of police protection afforded to the residents of the Town. An increase in the number of deputies, associated staff, equipment, and patrol vehicles could result in substantial costs to the Town. However, the demand for additional police protection services would increase gradually, and an increase in Town revenue was also expected with General Plan build out.

Overall, without mitigation, impacts associated with build out of the proposed General Plan and Annexation 2008-001 were expected to be significant. Therefore, mitigation measures were set forth in the EIR, including review of new project proposals by the Sheriff's Department and continued monitoring of staffing levels, to ensure that any potential adverse effects to law enforcement would be reduced to less than significant levels.

Annexation 2008-001

The EIR determined that at build out, Annexation 2008-001 was expected to have a population of 13,238. Based on the standard of one deputy per 1,500 population, the build out population of the annexation area would have required an additional 9 deputies. As with the Town limits, this build out was expected to occur gradually, and the mitigation measures included in the EIR would be applied to the annexation area, resulting in less than significant impacts on police services.

Analysis of the Proposed 2018-001 Annexation

At build out, the 2018-001 Annexation is expected to generate fewer people (i.e. 739 persons) than Annexation 2008-001, and would result in a need for a ½ deputy equivalent. This would not create any new impacts associated with police services, and any such impacts would be less than those identified in the EIR.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

At build out, the 2018-001 Annexation and the remaining County lands is expected to generate a population of 1,391 persons. This will result in a demand for 1 deputy, which would be a reduction in demand compared to Annexation 2008-001. It would not create any new impacts associated with law enforcement, and any such impacts would be less than those identified in the EIR.

Fire Protection

The EIR determined that the Town of Apple Valley receives fire protection services from the Apple Valley Fire Protection District (AVFPD). AVFPD is an independent District that serves the Town and unincorporated areas of San Bernardino County. The District's approximately 206 square mile service area extended easterly from the Mojave River as far as the dry lakes toward Lucerne Valley.

At the time EIR was certified, the District had 20 paid-call, 5 part-time, and 54 career (paid, full-time) staff. Of these, 50 were assigned to the following seven stations within the District:

1. **Station No. 331** at 22400 Headquarters Drive has 12 staff, and is equipped with a Type-1 engine, a Type-2 water tender, and a medium-level rescue vehicle.
2. **Station No. 332** at 18857 Highway 18 has 9 staff. Equipment includes a Type-1 engine and a Type-3 engine.
3. **Station No. 333** at 20604 Highway 18 is staffed with private ambulance company personnel.
4. **Station 334** at 12143 Kiowa Road has 9 staff, a Type-1 engine, and a Type-3 engine.
5. **Station No. 335** at 21860 Tussing Ranch Road is staffed by paid-call staff only. This means that staff members are alerted via pager to calls within the response area. The station is equipped with a Type-1 engine and a Type-3 water tender.
6. **Station No. 336** at 19235 Yucca Loma Road has 6 career and 10 paid-call staff, and is equipped with a rescue squad vehicle, a Type-1 engine, a Type-4 engine, an Incident Command bus, an Incident Support unit and a Type-2 truck.
7. **Station No. 337** at 19305 Jess Ranch Parkway was added in October 2007. Staffing has been expanded, as of April 2008, from 2 to 4 staff members. The station is equipped with a Type-4 Medic Patrol, a Hazmat Trailer, and a Reserve Squad.

The EIR determined that the AVFPD maintains a mutual aid agreement with other agencies in the region, including the City of Victorville, San Bernardino County, and the Bureau of Land Management. A joint dispatch center located in Victorville served the mutual aid agencies.

The EIR determined that the AVFPD had established a desired staffing ratio of approximately 1 full-time fire personnel per 1,500 persons. With a population of 70,092 in the Town, the staffing level exceeded the desired staffing ratio.

The District's desired response time is 6 minutes. At the time the EIR was prepared, the District averaged a response time within the Town limits of 6 minutes and 25 seconds.

Annexation 2008-001

The EIR determined that, at build out, Annexation 2008-001 area would be developed with additional residential, commercial, and industrial uses that would result in increased demand for fire protection services. Based on the desired ratio cited above, at build out the annexation area would require 9 full-time fire personnel.

Overall, it was determined that the build out of the proposed General Plan and both the annexation areas was estimated to result in a population of approximately 194,931 residents. This increased population would increase demand for fire protection services including personnel, equipment, and facilities. Based on the AVFPD desired ratio of 1 full-time personnel per 1,500 population, at buildout of the General Plan there would be 130 full-time fire personnel on staff. Costs associated with the provision of new fire facilities and equipment, as well as the infrastructure to deliver adequate fire flows, could be significant. The District, however, was a taxing entity whose revenues increase as development occurs. In addition, the EIR included multiple mitigation measures designed to reduce impacts associated with fire protection to less than significant levels, including coordination between the Town and the District, review of project proposals, and coordination with water providers to assure sufficient fire flows. The implementation of these mitigation measures would reduce impacts to fire protection to less than significant levels.

Analysis of the Proposed 2018-001 Annexation

At build out, the 2018-001 annexation area is expected to generate fewer people (i.e. 739 persons) than the Annexation 2008-001 area, and would result in a demand for ½ fire fighter equivalent. This increase would be less than significant than that analyzed in the EIR, and would not create any new impacts associated with fire protection services.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

At build out, the new annexation including the remaining County lands is expected to generate 1,391 residents. This would result in a demand for 1 firefighter, which would be a significant reduction in impacts associated with fire protection from what was disclosed in the EIR. Impacts would be less than those projected for Annexation 2008-001 in the EIR.

Health Care Services

The EIR determined that St. Mary Medical Center, located at 18300 Highway 18, is a 186-bed hospital, and the largest health care facility in the Town. The approximately 90-acre campus provides acute, general, medical-surgical, and intensive care, and includes a 24-hour emergency room and a variety of other in- and out-patient medical services. At the time EIR was certified, the facility encompassed approximately 215,000 square feet, including offices. The hospital was designated as a Level III trauma care center, which is the lowest level of trauma care. The EIR determined that the near-term (5-year) plans included construction of new acute care facilities with the intention of attaining Level I trauma care status.

The EIR determined that the County of San Bernardino High Desert Juvenile Detention and Assessment Center (HDJDAC) was located at 21101 Dale Evans Parkway. Opened in 2004, the 200-bed facility is a short-term residential facility wherein short-term juvenile offenders can receive special programs and public schooling while awaiting hearing before a judge.

Several residential senior care facilities are located in Apple Valley and provide services ranging from independent to assisted living facilities and skilled nursing care. Some facilities also offer specialized care for persons with Alzheimer's or other forms of dementia.

Other Medical Facilities in the Region: At the time EIR was certified, there were two other hospitals in the vicinity of the General Plan area: Victor Valley Community Hospital, located approximately 5 miles west of Apple Valley; and Desert Valley Hospital, located approximately 10 miles to the southwest. Victor Valley Community Hospital, licensed for 115 beds, included 24-hour/7-day a week emergency services and an on-site heliport. Desert Valley was licensed for 83 beds. Both centers included acute care hospitals.

In addition, injured persons requiring Level I care were transported to the Loma Linda Medical Center, approximately 51 miles from Apple Valley. Loma Linda had 900 beds and was the only Level I trauma center for Inyo, Mono, San Bernardino, and Riverside counties.

The EIR determined that the health care facilities inside and outside the planning area would be impacted by build out of the General Plan and Annexation 2008-001 area, and should continue to plan for regional growth. Other health care providers, such as Victor Valley Community Hospital and Desert Valley Hospital, were also expected to continue to expand to maintain adequate services as needs were identified.

Overall, without mitigation, impacts associated with build out of the proposed General Plan and Annexation 2008-001 were not expected to be significant, because as private providers of medical care, they would expand their facilities as demand increased. Therefore, no mitigation measures were required.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

At build out, the 2018-001 Annexation, including the remaining County lands, is expected to generate fewer permanent residents than were projected at build out of Annexation 2008-001. This would result into lesser impacts associated with health care services for residents, visitors, and employees than what was disclosed in the EIR. Impacts would remain less than significant, and the 2018-001 Annexation would not introduce any new or significantly increased impacts.

Electricity

The EIR explained that Southern California Edison (SCE) provides electrical services to the General Plan area. At that time, SCE had four major electric transmission corridors in the region, each with 115kV lines. Power from these lines was provided to businesses, industrial plants, institutions, and residences in the planning area via distribution facilities and circuits ranging from 33kV to 6.9kV. There were three SCE substations in Apple Valley, with voltages of 33kV to 115kV. All new electric lines of 34.5kV or less in Apple Valley were required to be undergrounded, in compliance with Town Ordinance 14.28.020. SCE was conferring with the

Town to determine a location for a new planned 115/12kV substation to serve newly developing areas by year 2013. Based on its 2008, 10-year load forecasts, SCE was expecting to be able to provide electrical service to future development in the Town and Sphere of Influence, including the proposed Annexation 2008-001 area.

The EIR calculated electrical consumption for build out of the General Plan and annexations based on South Coast Air Quality Management District (SCAQMD) estimated electricity usage rates by land use type, as shown in Table 20.

Table 20
Estimated Electricity Usage Rates

Land Use	Annual Usage Rate
Residential	5,626 Kilowatt-hour/unit/year
Retail Commercial	13.55 Kilowatt-hour/square feet/year
Restaurant	47.45 Kilowatt-hour/square feet/year
Hotel/Motel	9.95 Kilowatt-hour/square feet/year
Office	12.95 Kilowatt-hour/square feet/year
Food Store	53.30 Kilowatt-hour/square feet/year
Source: Town of Apple Valley General Plan and Annexations 2008-001 & 2008-002/Environmental Impact Report (Table III-56).	

Based on annual usage rates shown above, build out of the proposed General Plan and both the annexation areas was estimated to result in electrical consumption of 1,807,978,891 kilowatt-hours per year (kwh/year). Of this, 353,683,749 kwh/year would for residential uses, 924,262,572 kwh/year would be for commercial uses, and 525,032,571 kwh/year would be used by industrial establishments.

Annexation 2008-001

At build out, Annexation 2008-001 was estimated to result in electrical consumption of 220,749,040 kwh/year, which included existing and future residential, commercial, and industrial development. No development projects were immediately planned for construction in the annexation area, and therefore, the proposed annexation was not expected to result in an immediate increase in demand for electricity. The gradual expansion of SCE infrastructure would be required at build out of these areas, which would contribute to the regional demand for electricity, but which would be accommodated by expanded service as SCE provided for demand. Impacts were, therefore, expected to be less than significant.

Analysis of the Proposed 2018-001 Annexation

The 2018-001 Annexation consists of 1,304 acres and has the potential to result in 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units at build out. That would result in the electrical consumption of approximately 110,858,715 kwh/year, using the factors provided in Table 20.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

The remaining County land, approximately 1,470 acres, would allow up to 218 single family residential units and 75,899 square feet of commercial space. That would result in electrical consumption of approximately 2,254,899 kwh/year, using the factors provided in Table 20 for the remaining County lands.

The total electrical consumption at build out of the 2018-001 Annexation and the remaining County lands is approximately 113,113,615 kwh/year, which is less than what was estimated for Annexation 2008-001 by about 49%.

Overall, the impacts would be less than what was disclosed in the EIR, and would not result in a new or significantly greater impact than that analyzed in the EIR. Impacts would remain less than significant.

Natural Gas

The EIR determined that the Southwest Gas Company provides natural gas service to the Town and its planning area through a series of pipelines of differing sizes and pressure capabilities. Transmission, supply, and distribution lines provide service to most portions of the Town and its Sphere of Influence.

At the time EIR was certified, natural gas was not provided in some areas within the service area; these included those without existing facility extensions, undeveloped areas, or extremely rural areas. Southwest Gas Company indicated that it would accommodate new development in the planning area by working closely with developers to build extensions for build out areas. Where natural gas services and facilities were not available, propane was utilized as an alternative source of fuel.

The EIR included consumption factors provided by Southwest Gas Company for Apple Valley, as shown in Table 21.

Table 21
Natural Gas Consumption Factors

Land Use	**Monthly Use Rate**
Single Family Residential	6,665.0 cf/unit/month
Multiple Family Residential	4,011.5 cf/unit/month
Retail/Shopping Center	2.9 cf/sq.ft./month
Office	2.0 cf/sq.ft./month
Hotel/Motel	4.8 cf/sq.ft./month
Industrial	4.8 cf/sq.ft./month
Source: Town of Apple Valley General Plan and Annexations 2008-001 & 2008-002/Environmental Impact Report (Table III-57).	

The EIR determined that, at General Plan build out, the planning area is expected to contain approximately 36,619 single-family dwelling units, 27,130 multi-family dwelling units, 51,860,766 square feet of commercial space, and 281,188,992 square feet of industrial space. Using the factors described above, build out was projected to result in consumption of about 779,089,325 cubic feet per month.

Annexation 2008-001

The EIR determined that the implementation of Annexation 2008-001 would facilitate residential, commercial, and industrial development that would result in increased natural gas consumption. Based on the factors cited above, it was estimated that all development in the annexation area would consume approximately 76,209,944 cubic feet per month.

Southwest Gas's rate structure includes the expansion of facilities to accommodate growth. As development and build out of the General Plan and annexation areas is expected to occur over time, expansion plans will be adjusted to accommodate it. Impacts were, therefore, expected to be less than significant.

Analysis of the Proposed 2018-001 Annexation

The 2018-001 Annexation consists of 1,304 acres and has the potential to result in 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units at build out. This build out would result in the natural gas consumption of approximately 35,553,563 cubic feet per month, using the factors above.

Overall, impacts associated with natural gas consumption at build out of the 2018-001 Annexation area will be less than those projected at buildout of Annexation 2008-001. Impacts will be less than significant.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

The remaining County land, approximately 1,470 acres, would allow up to 218 single family residential units and 75,899 square feet of commercial space. That would result in natural gas consumption of 1,673,077 cubic feet per month, using the factors given above in Table 20, for the remaining County lands. The total natural gas consumption for the 2018-001 Annexation and the remaining County lands would be approximately 37,226,640 cubic feet per month which is less than what was estimated for the Annexation 2008-001 by about 51%.

Overall, the impacts would be less than what was disclosed in the EIR, and would not result in any new or significantly increased impacts associated with natural gas.

Telephone, Internet, and Television Service

The EIR determined that telephone and high-speed internet services were provided in the area by Verizon and Charter Communications. The EIR determined that build out of the General Plan would result in increased demand for telephone, internet, and television services and would impact facilities and equipment owned and maintained by Verizon and Charter Communications. Future development was expected to require expansion of services to areas not currently serviced. It was expected, however, that these private service providers would expand their services as needed, and that impacts to telecommunications would not be significant.

Annexation 2008-001

The EIR determined that the development facilitated by the annexation was expected to result in construction of additional residences, as well as additional commercial and industrial development. Both Verizon and Charter Communications planned for extension of infrastructure throughout the region, based on future development. Implementation of the proposed annexation was not expected to result in significant impacts to their facilities or equipment, as these service providers would monitor growth trends in their service areas and ensure the expansion of services and facilities.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

The 2018-001 Annexation and the remaining County lands would be served by Frontier Communications, which was formerly Verizon, and Charter Communications, as well as a number of cellular and internet providers who have expanded their services since the EIR was prepared. As was the case when the EIR was certified, these private providers incorporate expansion of services based on consumer demand, and will expand services as development occurs. Because build out intensity in the annexation area and the remaining County lands will be less than proposed in Annexation 2008-001, the impact would be less than what was analyzed in the EIR, and would remain less than significant.

Domestic Water Services

The EIR determined that there were several water purveyors responsible for providing domestic water to the Town of Apple Valley and areas within its Sphere-of-Influence. The Apple Valley Ranchos Water Company (now known as Liberty Utilities Apple Valley) served approximately 19,000 customer connections, or approximately 80% of residential, commercial, industrial, and institutional development in the Town. Golden States Water Company provided service to approximately 2,500 active connections in the Town and its Sphere of Influence. Several other smaller water purveyors also provided water within the General Plan area.

Neither of the two annexation areas was located within a service area served by a local water purveyor. Water users in both annexation areas utilized domestic water from private wells or from storage tanks filled with water deliveries from private haulers.

The EIR determined that the build out of the General Plan and both the annexations would result in water demand associated with increased residential, commercial, industrial, and other types of development. This demand was estimated based on water consumption factors from a variety of sources. Based on these factors, General Plan build out was estimated to generate water demand of 95,999 acre-feet per year in total.

The EIR determined that cumulatively, build out of the General Plan and the annexations would impact domestic water, and that this impact would be significant. As a result, the EIR included a number of mitigation measures to reduce these impacts to less than significant levels, including water conservation measures contained in building codes and Town ordinances.

Annexation 2008-001

The same factors used to estimate water consumption associated with General Plan build out were used to calculate water consumption in the annexation area. At build out, it was estimated that development in Annexation 2008-001 would result in a water demand of 6,476 acre-feet per year.

Since these areas were not served by local water purveyors, implementation of the annexation would require the extension of infrastructure to provide domestic water service to future development. This was expected to occur over time as development took place. The Town and applicable water purveyors would monitor growth in these areas and plan for extension of future infrastructure as demand increased. Mitigation measures included in the EIR would, however, reduce these impacts to less than significant levels.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

As discussed above in Section I (Water Quality and Resources), at build out the 2018-001 Annexation and remaining County lands would result in a demand of 1,706.43 AFY, approximately 4,770 less AFY than what was projected for Annexation 2008-001 in the EIR. Impacts would be less than what was disclosed in the EIR, but would still require the implementation of mitigation measures, in order to assure that water resources were efficiently managed. The 2018-001 Annexation and the remaining County lands, however, would not result in additional new impacts, or significantly increase an impact identified in the EIR.

Wastewater Collection and Treatment

The EIR determined that Apple Valley operated the local wastewater collection system, in accordance with the plans and projections contained in the Town's Sewer Master Plan. Approximately 30% of development in the Town was connected to sewer facilities. The Town's local conveyance system connected to regional intercept lines that conveyed wastewater to a wastewater treatment plant operated by the Victor Valley Wastewater Treatment Authority (VVWRA) in Victorville. The VVWRA wastewater treatment plant is located at 20111 Shay Road in Victorville. It had a design treatment capacity of 18 MGD; on a daily basis, the plant averaged treatment of 13 million gallons.

The Town adopted a Sewer Connection Policy in January 2006 that required new single-family subdivisions with lots of less than one acre, and within one-half mile of existing sewer infrastructure, to connect to the Town sewer system; or where development occurred more than one-half mile from existing sewer lines, to install a dry sewer system on-site. New users connecting to sewer facilities were subject to a sewer connection fee collected by the Town and remitted to VVWRA.

The EIR determined that the development facilitated by build out of the General Plan and annexation areas would increase demand on existing wastewater collection and treatment facilities. It was estimated that domestic wastewater flows average approximately 100 gallons per capita per day. Applying this factor to the estimated build out population of 194,931, wastewater generation in the General Plan and annexation areas would be approximately 19,493,069 gallons per day at build out.

The EIR determined that this increase in wastewater generation and demand for collection and treatment facilities was significant when compared with the current level of service, in that it would exceed current treatment capacity at the VVWRA treatment plant in Victorville. This estimate assumed that all new residential construction in the Town would be connected to sewer facilities.

The EIR determined that development in the General Plan and annexation areas would occur gradually over time, giving the Town and VVWRA the opportunity to plan for increased development and bring additional treatment capacity on-line. Nonetheless, they would need to continue to monitor growth trends in the planning area to ensure the adequate provision of wastewater treatment facilities and to secure funding for their construction. Future development connecting to sewer facilities would continue to be subject to connection fees. With the implementation of mitigation measures, build out of the General Plan and annexations would result in less than significant impacts to the sanitary sewer system.

Annexation 2008-001
The EIR determined that the build out of the proposed annexation areas would result in additional demand for wastewater collection and treatment facilities. Based on the factor used above, Annexation 2008-001 was expected to result in generation of 1,323,750 gallons of wastewater per day.

New development was not expected to occur immediately in the annexation area, and the Town and VVWRA would monitor growth to ensure adequate wastewater treatment capacity to serve development that is connected to sewer collection facilities in these areas as well as throughout the General Plan area.

Analysis of the Proposed 2018-001 Annexation

Since the completion of the EIR, VVWRA treatment plant's daily processing has decreased to 10.7 million gallons per day. In addition, VVRWA has proceeded with the expansion of its facilities, including the construction of both the Hesperia and the Apple Valley Subregional

Water Recycling Facilities. The facilities will each recycle up to 1,000,000 gallons per day, which in the case of the Apple Valley facility, will initially be used to irrigate Apple Valley's golf course. Other energy efficiency and pipeline improvement projects have also been undertaken.

The 2018-001 Annexation consists of 1,304 acres and has the potential to result in 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units with a projected population of 739. Using the estimated domestic wastewater flows of 100 gallons per capita per day, the proposed 2018-001 Annexation would result in approximately 73,900 gallons per day, which is 1,249,850 gallons of wastewater per day less than projected for Annexation 2008-001 in the EIR. Therefore, impacts associated with wastewater generation would be less to those identified in the EIR, and the same mitigation measures provided in the EIR would reduce impacts to less than significant levels.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

The 2018-001 Annexation plus the remaining County land would result in approximately 139,100 gallons per day of sanitary sewer flow, which is 1,184,650 gallons of wastewater per day less than projected in the EIR for Annexation 2008-001. Therefore, any impacts would be less to those identified in the EIR, and the same mitigation measures provided in the EIR would reduce impacts to less than significant levels.

Solid Waste Management

The EIR determined that the Town of Apple Valley contracts with Burrtec Waste Industries of Fontana, California for the collection and disposal of solid waste. Burrtec provides weekly curbside pick-up of recyclable materials for residential, commercial and industrial development. Solid waste collected by Burrtec is hauled to the Victorville landfill, approximately 12 miles to the northwest, which is a San Bernardino County landfill.

The operating permit for the Victorville landfill allows for a maximum of 3,000 tons a day. When the EIR was prepared, it received an average of 900 tons per day. Receipts in the first quarter of 2007 reflected higher averages of approximately 1,401 tons per day, which decreased in the first quarter of 2008 to 1,293 tons per day.

In 2006, commercial sources generated approximately 43,382 tons of solid waste at the Victorville landfill annually, while residential sources generated about 25,479 tons. Based on estimates prepared in June 2008, the remaining capacity of the site was estimated at 82 million cubic yards. The County had acquired additional acreage at the landfill to expand capacity. Based on this expansion, the Victorville landfill is estimated to have a closing date of 2047.

The Victorville landfill accepts non-hazardous industrial wastes. Hazardous industrial waste is collected by private contractors and disposed of elsewhere by County-approved hazardous waste disposal firms. Disposal of hazardous waste is coordinated through the County Fire Department. Disposal of such wastes has commonly taken place at Cattleman's Hill in central California.

Source Reduction and Recycling: Based on Department of Public Works records, in 2006, Burrtec collected approximately 68,861 tons of recyclable materials from sources in the Town, 43,382 tons of which came from commercial sources, and 25,479 tons from residential sources. Recycling services address issues of sustainability and global warming by resulting in energy and resources conservation.

Greenwaste generated in the Town of Apple Valley is accepted at the California Bio-Mass composting facility on Shay Road in Victorville. The facility processed approximately 18,000 tons of greenwaste annually. Of this amount, approximately 1,771 tons were generated from sources in Apple Valley in 2006, and 925 tons in 2007.

Materials Recovery Facility (MRF): The Victor Valley Materials Recovery Facility (MRF), co-owned by the Town of Apple Valley and the City of Victorville, receives all the commercial and residential recycling loads picked up in both jurisdictions. The facility processed over 710 tons of solid waste per week.

Build out of the General Plan and annexation areas was expected to generate a total of approximately 950,712 tons of solid waste per year, or 2,603 tons per day. Build out of the General Plan and the annexations will increase the volume of solid waste generated.

Annexation 2008-001
The EIR determined that Annexation 2008-001 would generate approximately 118,744 tons of solid waste at build out. Estimates of solid waste generation for the proposed annexation area were included in those for build out of the General Plan area described above. The EIR determined that, because of the increased demand over time, the build out of the General Plan and Annexation 2008-001 would result in impacts associated with increased solid waste generation, but that mitigation measures would reduce these impacts to less than significant levels.

Analysis of the Proposed 2018-001 Annexation, and 2018-001 Annexation Plus Remaining County Lands

The 2018-001 Annexation consists of 1,304 acres and has the potential to result in 5,657,059 square feet of commercial space, 3,646,216 square feet of industrial space, and a total of 247 residential units at build out with a projected population of 739. Using the estimated solid waste generation rates used in the EIR (Table III-58), the proposed 2018-001 Annexation would result in approximately 53,459.95 tons of solid waste at build out which is less than the 118,744 tons of solid waste projected for Annexation 2008-001.

Build out of the remaining County lands would generate an estimated 626.87 tons of solid waste per year. At buildout, the 2018-001 Annexation and the remaining County lands combined are expected to generate 54,086.82tons of solid waste, which is less than the 118,744 tons of solid

waste projected at build out of Annexation 2008-001. Therefore, impacts would be less than those identified in the EIR, and the same mitigation measures provided in the EIR would reduce impacts to less than significant levels.

Summary of Impacts

The 2018-001 Annexation is not expected to create a substantial adverse effect related to the construction of new or altered public services and facilities. Overall, the impacts will be less than those disclosed in the EIR.

The EIR included a number of mitigation measures to minimize the impacts related to public services and facilities. As was the case in the EIR, the 2018-001 Annexation will be required to pay school district development fees. The impacts associated with public services and facilities will be less than significant, and less than those analyzed in the EIR.

N. Recreational Resources

Summary of Findings in the EIR

The EIR determined that the Town of Apple Valley had 346.87 acres of developed parkland in 2008. There were seven Mini-Parks, two Neighborhood Parks, three Community Parks, and two Special Use Parks in Town.

At the time the EIR was prepared, the Town planned to purchase the Apple Valley Country Club and open its facilities to the public. The course was purchased in 2008, and opened as a public course. The Town had an additional 65 acres of BLM land and privately owned land for two parks that were approved within Specific Plans, but not yet developed. It also owned an additional 27 acres of land identified for park use, but they were not yet developed. Combined, park and recreation holdings totaled 438.87 acres of developed or developable parklands. Other recreational resources included the Mojave river-bottom and the Apple Valley Dry Lake designated open space areas. Various rock outcrops, knolls, and riverside bluffs in the planning area were also designated open spaces that provided further recreational opportunity to the Town's residents and visitors.

The Town adopted a park standard of five acres of parkland per 1,000 persons, as set forth in Development Code Section 9.71.055(C).

The EIR determined that the build out of the General Plan could impact the Town’s recreational resources with the introduction of approximately 38,824 new dwelling units and a total build out population of 194,931 residents. The Town was expected to require 975 acres of parkland at build out. However, the impact on local recreational resources was expected to be reduced to less than significant levels by the development of additional parkland that would be required through implementation of the Quimby Act. The EIR also identified Development Agreements, Developer Impact Fees, and other funding mechanisms as strategies for facilitating the acquisition of additional parkland.

Annexation 2008-001
The EIR determined that build out of Annexation Area 2008-001 would result in 4,236 residential units and a build out population of 13,238. Build out of the area would require approximately 66 acres of parkland to meet the recreational needs of the residents of Annexation 2008-001.

The EIR concluded that the impacts of the General Plan and Annexations 2008-001 on recreation would be less than significant with the implementation of two mitigation measures: required participation of developers in the Town's parkland fee programs and Quimby requirements, and the Town's active pursuit of supplemental funding sources to acquire additional parklands.

Analysis of the Proposed 2018-001 Annexation

Build out of the 2018-001 Annexation area could result up to 247 residential units and a buildout population of 739, and require the provision of approximately 3.7 acres of parkland to meet the Town's standard of 5 acres of parkland per 1,000 residents. Compared to Annexation 2008-001, this represents 12,499 fewer residents, and 62 fewer acres of required parkland at build out.

Analysis of the Proposed 2018-001 Annexation Plus the Remaining County Lands

Development of the remaining County lands will result in 218 housing units and a population of 652. This population will generate a need for 3.3 acres of parkland, based on the Town's mandated ratio (5 acres per 1,000 residents).

In total, therefore, build out of the 2018-001 Annexation and the remaining County lands will result in a need for 7 acres of parkland. This represents a decrease of 59 acres from the parkland required at build out of Annexation 2008-001 analyzed in the EIR.

Summary of Impacts

The 2018-001 Annexation would result in a reduction in build out population and required parkland acreage compared to Annexation 2008-001. In addition, the 2018-001 Annexation would comply with the open space requirements for residential uses set forth by the Town. Impacts would be less than those identified in the Certified EIR, and implementation of the mitigation measures provided in the EIR will reduce impacts even further. The project would not result in new significant environmental effects or a substantial increase in the severity of previously identified significant effects. No changes in circumstances or new information pertaining to recreation are known to require major revisions to the EIR.

O. Transportation and Traffic

Summary of Findings in the EIR

The EIR determined that the circulation network in the Town of Apple Valley is comprised of 500 miles of paved roadways on a one-mile grid framework, and approximately 80% of the roads are local streets that serve existing residential neighborhoods. The EIR described the major regional and local roadways in the planning area traffic circulation system.

Major Regional Roadways

U.S. Interstate 15: The EIR determined that I-15 constitutes a major transportation corridor and provides the high desert region and Apple Valley with inter-regional and inter-state access. It connects the high desert with Las Vegas, Salt Lake City, and markets to the north. I-15 includes 3 lanes in each direction. There are two freeway interchanges at Dale Evans Parkway and Stoddard Wells Road.

State Route 18: The EIR determined that State Route 18 is a 4-lane divided highway along which are substantial portions of the Town's existing commercial development and pockets of residential development.

Major Local Roadways

Dale Evans Parkway: This is a north-south roadway that is designated as a Major Divided Parkway with a minimum 142-foot right-of-way from I-15 south to Thunderbird Road. It is the only road so classified in the General Plan area. South of Thunderbird Road it is classified as a Major Road (minimum 104-foot of right-of-way). At the time the EIR was certified, it was a 2-lane undivided road from I-15 south to Otoe Road, and a 4-lane divided roadway between Otoe Road and State Route 18.

Bear Valley Road: It is an east-west roadway classified as a Major Divided Arterial. It intersects State Route 18 east of the Town limits and spans the Town from east to west. Between the eastern boundary of Apple Valley and Central Road it is a 2-lane undivided highway, expanding to 4 lanes divided to Apple Valley Road. From there it becomes 6 lanes divided and crosses the Mojave River as it exits the Town at an all-weather crossing.

Tussing Ranch Road: It is an east-west roadway that forms a portion of the Town's southern boundary. It is designated a Major Divided Arterial within the Town, and a major road easterly of the Town limits. It is a 2-lane undivided road in the Town.

Central Road: It is a north-south road that forms a portion of the Town's eastern boundary. It is designated a Major Divided Arterial south of Johnson Road. It is 2-lanes undivided throughout the Town, with the exception for one roadway segment just north of Cahuilla Road where it is a 3-lane undivided roadway. Central Road crosses the Mojave Northern Mining Railroad line at Quarry Road.

Kiowa Road: It is a north-south street from Yucca Loma Road to the Town's southern boundary, and runs southwest to northeast from Yucca Loma, crossing State Route 18 and terminating at Navajo Road. Kiowa Road is classified as a Major Road between Bear Valley Road and Yucca Loma Road, and as a Major Divided Arterial south of Bear Valley Road.

Apple Valley Road: It runs north-south from its initiation point at Falchion Road south to State Route 18. It trends southwest to its intersection with Seneca Road, and thence north-south to the Town's southern boundary. Throughout most of the planning area, Apple Valley Road is classified a Major Divided Arterial roadway. It is 2 lanes in each direction between State Route 18 and Yucca Loma Road, and a 4-lane divided highway north of State Route 18, becoming 2-lane divided south of Seneca Road, and 2-lane undivided further south to and beyond its intersection with Yucca Loma Road, south to Sitting Bull Road. South of Sitting Bull Road, it remains 2-lane undivided, then becomes 4-lane divided, and expands to 6-lanes divided at Bear Valley Road. South of Bear Valley Road it returns to a 4-lane divided roadway.

The EIR determined that a number of secondary roads (minimum 88-foot right-of-way) in the Town connect major roads and serve to carry local traffic to larger streets.

Intersection Conditions in the Planning Area in 2008
The General Plan that was in effect prior to the General Plan update of 2008 established a minimum intersection Level of Service (LOS) of C. When the EIR was prepared, and current conditions analyzed, eight (8) intersections were operating at LOS D, E, or F during AM and/or PM peak hours. The EIR discussed and analyzed the General Plan's proposed policy to change the minimum intersection LOS to D, and to require LOS C for roadway segments.

Roadways in Annexation 2008-001
At the time the EIR was prepared, there was a small network of paved and unpaved roadways within the annexation area. No major roadways occurred in the annexation area, although the area was bordered by major roadways, including Dale Evans Parkway on the east side of Annexation 2008-001. The General Plan roadways within the annexation area were Johnson Road, a Secondary Road; Quarry Road, a Secondary Road; and Stoddard Wells Road, a Major Road.

Public Transportation Services
Public transit services were provided to the Town by the Victor Valley Transit Authority. The EIR determined that three dedicated routes [Route 40 (Apple Valley North), Route 41 (Apple Valley/Victorville), and Route 43 (Apple Valley/Victor Valley College)] operated in the planning area.

Apple Valley Airport
The Apple Valley Airport is a general aviation airport serving fixed wing aircraft and helicopters, and airport operations are generally limited to small, private aircraft and flight schools. At the time the EIR was prepared, the airport was operating approximately 103 flights daily, or 38,000 operations annually.

Rail Service
The EIR determined that the there are two rail lines in the planning area. The Mojave Northern Mining Railroad, serving the Mojave Northern Mining Quarry, intersects the northern portion of the planning area south of Quarry Road. A second rail line intersects a small portion of the Town limits, south of Tussing Ranch Road between Central Road and Kiowa Road. It served mining operations to the east in San Bernardino County.

Non-Motorized Transportation: Pedestrian, Equestrian, and Bicycle Circulation
The EIR determined that three types of bikeways (Class I, II, and III) are part of the Apple Valley circulation system. Bicycle travel is allowed on all public roadways, except freeways and freeway ramps.

The EIR included the recommended guidelines for signalized and unsignalized pedestrian crosswalks (e.g. a minimum width of 6 feet, or 10 feet in commercial districts, adequate lighting, unimpeded sight distance and freedom from obstructions).

Impacts of General Plan Build Out

The EIR described a significant new component to the Town's and region's circulation system, which is projected to be implemented in the future, but was not and is not currently present in the circulation system. The High Desert Corridor is proposed by the California Department of Transportation, and would bisect the northern portion of the Town, approximately 2 miles south of Annexation 2008-001. It is intended to provide a freeway connection between the southeastern portion of the Town to I-15. At the time the EIR was prepared, the preliminary alignment had been determined and was included in the EIR and traffic impact analysis. Since that time, environmental studies have been completed, but no construction has occurred.

Buildout of the proposed Apple Valley General Plan and both the annexations studied in the EIR would result in the construction of up to 63,749 dwelling units, approximately 51,860,766 square feet of commercial land uses and approximately 58,581,040 square feet of industrial land uses. The EIR traffic impact analysis, summarized in the EIR, considered this build out potential, and analyzed its impacts on intersections Town-wide. This analysis included construction and operation of the Town's roadways at General Plan build out conditions, and the completion of the High Desert Corridor. The results of this analysis are depicted in Table 22, below, reproduced from the EIR.

Table 22
Intersection Operations Analysis Summary

Intersection		Traffic Control [1]	Northbound			Southbound			Eastbound			Westbound			Delay[2] (sec.)		Level of Service	
No.	Name		L	T	R	L	T	R	L	T	R	L	T	R	AM	PM	AM	PM
1	I-15 SB Ramps (NS) at:																	
	• Dale Evans Pkwy. (EW)	**TS**	0	0	0	**2**	0	**1**	0	**3**	**1**	**3**	**3**	0	16.8	20.0	B	B
2	I-15 NB Ramps (NS) at:																	
	• Dale Evans Pkwy. (EW)	**TS**	**1**	0	**1>>**	0	0	0	**1**	**3**	0	0	**3**	**1**	10.7	14.4	B	B
3	Dale Evans Pkwy. (NS) at:																	
	• Quarry Rd. (EW)	**TS**	**2**	**4**	**1**	**2**	**4**	**1**	**2**	**2**	**1**	**2**	**2**	**1>**	51.6	49.5	D	D
4	Outer Hwy. 15 (NS) at:																	
	• Stoddard Wells Rd. (EW)	**TS**	0	0	0	**2**	0	**1>>**	**2**	**3**	0	0	**3**	**1**	24.7	26.0	C	C
5	Dale Evans Pkwy. (NS) at:																	
	• Corwin Rd. (EW)	**TS**	**2**	**3**	**1**	**2**	**3**	**1**	**2**	**1.5**	**0.5**	**2**	**2**	**1>**	68.6	52.8	E	D
6	Corwin Rd. (NS) at:																	
	• Waalew Rd. (EW)	**TS**	0	**2**	**1**	**1**	**2**	0	0	0	0	1	0	1	24.3	30.1	C	C
8	Dale Evans Pkwy. (NS) at:																	
	• Waalew Rd. (EW)	**TS**	**1**	**2.5**	**0.5**	**1**	**3**	**1**	**1**	**2.5**	**0.5**	**1**	**2.5**	**0.5**	47.5	32.7	D	C
9	Central Rd. (NS) at:																	
	• Waalew Rd. (EW)	**TS**	**1**	**2.5**	**0.5**	**1**	**3**	**1>**	**2.5**	1	**0.5**	**1**	**2**	**1**	53.2	39.5	D	D
10	Apple Valley Rd. (NS) at:																	
	• State Route 18 (EW)	TS	**2**	**1.5**	**0.5**	1	**2**	1	2	**3**	1>>	**2**	**3**	1	54.5	48.0	D	D
11	Corwin Rd. (NS) at:																	
	• State Route 18 (EW)	TS	0	0	0	**2**	0	**1>>**	**2**	**3**	0	0	**3**	**1>**	43.6	34.3	D	C
12	Rancherias Rd. (NS) at:																	
	• State Route 18 (EW)	TS	1	**1.5**	**0.5**	1	**1.5**	**0.5**	**2**	**2.5**	**0.5**	1	**3**	1	43.4	45.1	D	D
13	Dale Evans Rd. (NS) at:																	
	• Thunderbird Rd. (EW)	**TS**	1	**1.5**	**0.5**	**2**	**2.5**	**0.5**	1	**1.5**	**0.5**	1	**1.5**	**0.5**	42.2	31.7	D	C

Table 22
Intersection Operations Analysis Summary

Intersection		Traffic Control [1]	Northbound			Southbound			Eastbound			Westbound			Delay[2] (sec.)		Level of Service	
No.	Name		L	T	R	L	T	R	L	T	R	L	T	R	AM	PM	AM	PM
14	Navajo Rd. at:																	
	• Thunderbird Rd. (EW)	**TS**	**1**	**1.5**	**0.5**	**1**	**0.5**	**0.5**	**1**	**2**	**2**	**2**	**1.5**	**0.5**	29.0	33.8	C	C
15	Central Rd. (NS) at:																	
	• Thunderbird Rd. (EW)	**TS**	**1**	**4**	**1**	**1**	**3**	**2**	**3**	**0.5**	0.5	**1**	**0.5**	**0.5**	52.5	44.5	D	C
16	Dale Evans Pkwy. (NS) at:																	
	• State Route 18 (EW)	TS	**1**	**0.5**	**0.5**	**2**	**1.5**	**0.5**	1	**3**	1	1	**3**	**1>**	43.1	54.4	D	D
17	Kiowa Rd. (NS) at:																	
	• State Route 18 (EW)	TS	**2**	**0.5**	**0.5**	1	**0.5**	**0.5**	1	**3**	**1>**	1	**2.5**	**0.5**	29.5	26.6	C	C
18	Apple Valley Rd. (NS) at:																	
	• Yucca Loma Rd. (EW)	TS	**2**	**2.5**	**0.5**	**2**	**2**	1	1	**3**	**1>**	**2**	**2**	1	43.9	54.9	D	D
19	Kiowa Rd. (NS) at:																	
	• Yucca Loma Rd. (EW)	**TS**	**1**	**1.5**	**0.5**	**1**	**0.5**	**0.5**	1	**2**	**1**	**2**	**1.5**	**0.5**	39.4	50.6	D	D
20	Navajo Rd. (NS) at:																	
	• State Route 18 (EW)	TS	**2**	**2**	**2>**	1	**2**	1	1	**3**	1	**2**	**3**	1	52.9	54.7	D	D
21	Central Rd. (NS) at:																	
	• State Route 18 (EW)	TS	**2**	**2.5**	**0.5**	**1**	**2.5**	**0.5**	**2**	**3**	**1>**	1	**2.5**	**0.5**	51.8	39.6	D	D
22	Joshua Rd. (NS) at:																	
	• State Route 18 (EW)	**TS**	**1**	**1.5**	**0.5**	**1**	**1.5**	**0.5**	1	**2.5**	**0.5**	1	**2.5**	**0.5**	12.9	13.0	B	B
23	Apple Valley Rd. (NS) at:																	
	• Bear Valley Rd. (EW)	TS	2	**3**	**1>**	2	**3**	2>	2	**3**	1	**2**	**3**	**1**	49.1	53.3	D	D
24	Deep Creek Rd. (NS) at:																	
	• Bear Valley Rd. (EW)	**TS**	**1**	**1.5**	**0.5**	**1**	**1.5**	**0.5**	**1**	**2.5**	**0.5**	1	**2.5**	**0.5**	27.9	34.3	C	C
25	Kiowa Rd. (NS) at:																	
	• Bear Valley Rd. (EW)	TS	**2**	**1.5**	**0.5**	1	2	1	**2**	**3**	**1>**	1	**3**	1	43.2	41.9	D	D

Table 22
Intersection Operations Analysis Summary

Intersection		Traffic Control [1]	Northbound			Southbound			Eastbound			Westbound			Delay[2] (sec.)		Level of Service	
No.	Name		L	T	R	L	T	R	L	T	R	L	T	R	AM	PM	AM	PM
26	Navajo Rd. (NS) at:																	
	• Bear Valley Rd. (EW)	TS	1	**1.5**	**0.5**	**2**	2	1	**2**	**2.5**	**0.5**	1	**2.5**	**0.5**	42.4	54.6	D	D
27	Central Rd. (NS) at:																	
	• Bear Valley Rd. (EW)	TS	1	**2.5**	**0.5**	1	**3**	**1>**	**2**	**2.5**	**0.5**	1	**2.5**	**0.5**	43.6	44.0	D	D
28	State Route 18 (NS) at:																	
	• Bear Valley Rd. (EW)	**TS**	**2**	**3**	0	0	**2.5**	**0.5**	1	0	**1**	0	0	0	17.7	24.8	B	C
29	Central Rd. (NS) at:																	
	• Tussing Ranch Rd. (EW)	**TS**	**1**	**1.5**	**0.5**	**1**	**3**	**1>**	**2**	**2.5**	**0.5**	**1**	**1.5**	**0.5**	27.2	23.8	C	C
30	Deep Creek Rd. (NS) at:																	
	• Rock Springs Rd. (EW)	TS	**1**	**0.5**	**0.5**	**1**	**0.5**	**0.5**	1	**1.5**	**0.5**	1	**1.5**	**0.5**	25.9	24.3	C	C
31	I-15 SB Ramps (NS) at:																	
	• Stoddard Wells Rd. (EW)	TS	**1**	**1**	**2>**	**2**	**0.5**	**0.5**	**1**	**2**	**1**	**3**	**2**	**2**	37.7	48.8	D	D
32	I-15 NB Ramps (NS) at:																	
	• Stoddard Wells Rd. (EW)	TS	**2**	1	**1>>**	**3**	**2**	**2**	**2**	**3**	**1>**	**2**	**4**	**1**	51.6	48.8	D	D
33	Outer Highway 15 (NS) at:																	
	• Stodddard Wells Rd. (EW)	TS	**2**	**2**	0	0	**2**	**1>>**	**2**	**0**	**1>>**	0	**0**	0	52.3	29.5	D	C
34	Outer Highway 15 (NS) at:																	
	• Saugus Rd. (EW)	TS	0	**1.5**	**0.5**	**2**	**2**	0	0	0	0	**1**	0	**1>>**	21.1	30.5	C	C
35	Choco Rd. (NS) at:																	
	• H. D. C. WB Ramps (EW)	TS	**2**	**3**	0	0	**3**	**1>>**	0	0	0	**2**	0	**1**	16.4	14.4	B	B
36	Choco Rd. (NS) at:																	
	• H. D. C. EB Ramps (EW)	TS	0	**3**	**1**	**2**	**3**	0	**2**	0	**2**	0	0	0	51.2	28.3	D	C
37	Dale Evans Pkwy. (NS) at:																	
	• H. D. C. WB Ramps (EW)	TS	0	**3**	**1>>**	0	**3**	**1>>**	0	0	0	**1**	0	**2>**	22.3	8.8	C	A

Table 22
Intersection Operations Analysis Summary

Intersection		Traffic Control [1]	Northbound			Southbound			Eastbound			Westbound			Delay[2] (sec.)		Level of Service	
No.	Name		L	T	R	L	T	R	L	T	R	L	T	R	AM	PM	AM	PM
38	Dale Evans Pkwy. (NS) at:																	
	• H. D. C. EB Ramps (EW)	TS	0	**3**	**2**	0	**3**	**1>>**	**2**	0	**1**	0	0	0	14.4	8.1	B	A
39	H.D.C. EB Ramps (NS) at:																	
	• Waalew Rd. (EW)	TS	0	0	0	**2**	0	**2**	0	**1.5**	**0.5**	**1**	**2**	0	20.5	15.5	C	B
40	H.D.C. WB Ramps (NS) at:																	
	• Waalew Rd. (EW)	TS	**1**	0	**1**	0	0	0	**1**	**2**	0	0	**2**	**2**	12.7	12.6	B	B
41	Central Rd. (NS) at:																	
	• H.D.C. WB Ramps (EW)	TS	**2**	**3**	0	0	**2.5**	**0.5**	0	0	0	**1**	0	**1**	12.8	22.1	B	C
42	Central Rd. (NS) at:																	
	• H.D.C. EB Ramps (EW)	TS	0	**2.5**	**0.5**	**1**	**3**	0	**2**	0	**2**	0	0	0	21.1	24.2	C	C
43	Tao Rd. (NS) at:																	
	• State Route 18 (EW)	TS	1	**0.5**	**0.5**	1	**1.5**	**0.5**	1	**2.5**	**0.5**	1	**2.5**	**0.5**	21.0	33.3	C	C
44	Apple Valley Rd. (NS) at:																	
	• Sitting Bull Rd. (EW)	TS	1	**2.5**	**0.5**	1	**2.5**	**0.5**	1	**0.5**	**0.5**	**1**	0.5	**0.5**	30.1	29.2	C	C
45	Kiowa Rd. (NS) at:																	
	• Sitting Bull Rd. (EW)	**TS**	1	**1.5**	**0.5**	1	**1.5**	**0.5**	1	**1.5**	**0.5**	1	**1.5**	**0.5**	22.5	23.2	C	C
46	Navajo Rd. (NS) at:																	
	• Nisqually Rd. (EW)	TS	1	**1.5**	**0.5**	1	**1.5**	**0.5**	**1**	**1.5**	**0.5**	**1**	**1.5**	**0.5**	24.4	38.6	C	D

[1]When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.
L = Left; T = Through; R = Right; > = Right-turn Overlap Phasing; >> = Free Right Turn Lane; **1** = Improvement
[2]Delay and level of service calculated using the following analysis software: Traffix, Version 7.9 R3 (2008). Per the 2000 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with traffic, traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for worst individual movement (or movements sharing a single lane) are shown. [3]TS = Traffic Signal

As shown in Table 22, with improvements, intersections within the studied planning area were expected to operate at LOS D or better, with the exception of the intersection of Dale Evans Parkway and Corwin Road, which was expected to operate at LOS E. The traffic impact analysis considered any and all potential feasible mitigation measures for this intersection, and determined that no such mitigation measures existed, and that the impacts would remain significant and unavoidable. All other impacts associated with traffic and circulation were found to be less than significant, with the implementation of a broad range of mitigation measures which ranged from improvements to bus turnouts to payment of fair share improvements by projects as development occurred, to assure a coordinated and complete General Plan roadway system, and the construction of sidewalks, bicycle paths and trails to encourage and improve alternative transportation.

Analysis of the Proposed 2018-001 Annexation

Build out of the proposed 2018-001 Annexation area could result in up to 247 residential units, 5,657,058 square feet of commercial space, and 3,646,216 square feet of industrial space. In addition, approximately 86.4 acres would be improved as street right-of-way.

A traffic impact analysis was prepared for the proposed 2018-001 Annexation by Urban Crossroads on September 2017 and revised on October 2017.[12,13] The purpose of the report was to determine if the proposed 2018-001 Annexation would generate more or fewer trips than that previously evaluated as part of the 2009 General Plan (Annexation 2008-001). In order to reflect current conditions and changes in the standards applied to trip generation, trip generation was developed for both 2008 annexation land use build out and the proposed 2018-001 Annexation using the current 10th Edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual. This provides an "apples to apples" analysis, rather than comparing 2008 trip generation rates to 2017 trip generation rates. Table 23 summarizes the current trip generation estimates of Annexation 2008-001 build out. Annexation 2008-001 proposed land uses would generate a net total of approximately 309,176 trip-ends per day, with 17,140 morning peak hour trips and 32,933 evening peak hour trips.

[12] Apple Valley Land Annexation Trip Generation Assessment prepared by Urban Crossroads, September 2017.
[13] Apple Valley Land Annexation Trip Generation Assessment prepared by Urban Crossroads, October 2017.

Table 23
Trip Generation Summary
Annexation 2008-001

Land Use	Quantity	Units	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
Estate Residential	722	DU	134	401	535	450	267	714	6,816
Medium Density Residential	2,659	DU	492	1,476	1,968	1,658	974	2,632	25,101
Mixed-Use Residential	854	DU	158	474	632	533	313	846	8,062
Commercial Retail	5,380.731	TSF	3,136	1,922	5,058	9,840	10,660	20,500	203,123
General Office	1,754.639	TSF	1,750	285	2,035	323	1,695	2,018	17,090
General Light Industrial	7,782.275	TSF							
• Passenger Cars			3,768	514	4,282	501	3,353	3,854	30,340
• Truck Trips									
2-axle:			575	78	653	76	512	588	4,632
3-axle:			374	51	425	50	333	383	3,011
4+-axle:			1,366	186	1,552	182	1,216	1,398	11,001
- Net Truck Trips (PCE)			2,315	315	2,630	308	2,061	2,369	18,644
Total			**11,753**	**5,387**	**17,140**	**13,613**	**19,320**	**32,933**	**309,176**

Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 10th Edition (2017).
DU = dwelling units; TSF = thousand square feet

By comparison, the proposed 2018-001 Annexation is anticipated to generate a net total of approximately 186,515 trip-ends per day, with 9,149 morning peak hour trips and 19,745 evening peak hour trips. Trip generation associated with build out of the remaining County lands has been calculated separately from the 2018-001 Annexation. Both are shown in Table 24. Combined, the 2018-001 Annexation plus the remaining County lands would generate a total of 191,438 trips per day, with 9,381 morning peak hour trips and 20,250 evening peak hour trips.

Table 24
Trip Generation Summary
2018-001 Annexation

Land Use	Quantity	Units	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
2018-001 Annexation Area									
Estate Residential	247	DU	46	137	183	154	90	244	2,332
Commercial Retail	3,789.101	TSF	2,208	1,353	3,561	6,930	7,507	14,437	143,039
General Office	1,867	TSF	1,863	303	2,166	344	1,804	2,148	18,194
General Light Industrial	3,646.216	TSF							
• Passenger Cars			1,765	241	2,006	235	1,571	1,806	14,215
• Truck Trips									
2-axle:			270	37	307	36	240	276	2,170
3-axle:			175	24	199	23	156	179	1,411
4+-axle:			640	87	727	85	570	655	5,154
- Net Truck Trips (PCE)			1,085	148	1,233	144	966	1,110	8,732
Total			6,967	2,182	9,149	7,807	11,938	19,745	186,515
County of San Bernardino Area									
Rural Living	218	DU	40	121	161	136	80	216	2,058
Commercial Retail	75.899	TSF	44	27	71	139	150	289	2,865
Total			84	148	232	275	230	505	4,923
Grand Total			**7,051**	**2,330**	**9,381**	**8,082**	**12,250**	**20,250**	**191,438**

Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, 10th Edition (2017).
DU = dwelling units; TSF = thousand square feet

Trip Generation Comparison

As shown in Table 25, compared to Annexation 2008-001, build out of the proposed 2018-001 Annexation is anticipated to generate 117,738 fewer trip-ends per day, including 7,759 fewer morning peak hour trips and 12,683 fewer evening peak hour trips. This represents a reduction of 38% in daily trips.

Table 25
Trip Generation Comparisons

Land Use	AM Peak Hour			PM Peak Hour			Daily
	In	Out	Total	In	Out	Total	
Annexation 2008-001	11,753	5,387	17,140	13,613	19,320	32,933	309,176
2018-001 Annexation	7,051	2,330	9,381	8,082	12,168	20,250	191,438
Variance	**-4,702**	**-3,057**	**-7,759**	**-5,531**	**-7,152**	**-12,683**	**-117,738**

Summary of Impacts

The development of the proposed 2018-001 Annexation is anticipated to generate 117,738 fewer trip-ends per day as compared to Annexation 2008-001. Therefore, the impacts projected for the roadways and intersections surrounding the Annexation area would be similar to or less than those considered in the EIR. Based on the reduction in trips identified for the proposed 2018-001 Annexation, the LOS previously projected for the roadways and intersection near the Annexation 2008-001 would remain the same or would improve. To further improve the LOS in the annexation area, the build out of the 2018-001 Annexation will be subject to the same mitigation measures included in the EIR, including the preparation of project-specific traffic impact analyses, and regular monitoring of traffic volumes by the Town. The proposed 2018-001 Annexation will not create new or substantially more adverse impacts to transportation or traffic than those disclosed in the EIR, and will not require any new mitigation measures.

Appendix A
CalEEMOD Modeling Data

Appendix A

CalEEMod 2016.3.1 Outputs

for the

Apple Valley Annexation 2017
(2008 Annexation Re-Run, AV Annexation 2017, AV Annexation 2017 plus SB County)

2008 Annexation Re-Run

San Bernardino-Mojave Desert County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	4,236.00	Dwelling Unit	1,091.60	7,624,800.00	12115
General Office Building	1,754.64	1000sqft	183.10	1,754,639.00	0
Regional Shopping Center	5,380.73	1000sqft	590.00	5,380,731.00	0
Industrial Park	7,782.27	1000sqft	812.10	7,782,275.00	0
Other Asphalt Surfaces	97.80	Acre	97.80	4,260,168.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Original 2008 Annexation land use breakdown, including street ROW.

Construction Phase - GP Buildout is 2025.

Off-road Equipment -

Vehicle Trips - Same trip rates used for 2017 annexation for comparison.

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	1,754,640.00	1,754,639.00
tblLandUse	BuildingSpaceSquareFeet	5,380,730.00	5,380,731.00
tblLandUse	BuildingSpaceSquareFeet	7,782,270.00	7,782,275.00
tblLandUse	LandUseSquareFeet	1,754,640.00	1,754,639.00
tblLandUse	LandUseSquareFeet	5,380,730.00	5,380,731.00
tblLandUse	LandUseSquareFeet	7,782,270.00	7,782,275.00
tblLandUse	LotAcreage	1,375.32	1,091.60
tblLandUse	LotAcreage	40.28	183.10
tblLandUse	LotAcreage	123.52	590.00
tblLandUse	LotAcreage	178.66	812.10
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00

tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	14.6578	16.1068	15.0509	0.0456	34.9620	0.3449	35.3069	9.4806	0.3221	9.8027	0.0000	4,233.9287	4,233.9287	0.3375	0.0000	4,242.3671
2018	87.5890	89.7755	81.0180	0.2730	46.9806	1.7789	48.7594	12.7331	1.6605	14.3936	0.0000	25,342.3839	25,342.3839	1.9465	0.0000	25,391.0459
2019	86.5931	83.3946	73.1329	0.2675	46.9805	1.5879	48.5684	12.7331	1.4812	14.2143	0.0000	24,826.2411	24,826.2411	1.8758	0.0000	24,873.1353
2020	86.0283	76.5080	66.9560	0.2641	47.0356	1.3699	48.4054	12.7480	1.2754	14.0234	0.0000	24,475.9238	24,475.9238	1.8006	0.0000	24,520.9383
2021	56.3244	46.2475	40.9540	0.1716	42.1289	0.7374	42.8663	11.4202	0.6840	12.1041	0.0000	15,913.2380	15,913.2380	1.1509	0.0000	15,942.0110
Maximum	**87.5890**	**89.7755**	**81.0180**	**0.2730**	**47.0356**	**1.7789**	**48.7594**	**12.7480**	**1.6605**	**14.3936**	**0.0000**	**25,342.3839**	**25,342.3839**	**1.9465**	**0.0000**	**25,391.0459**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	14.6578	16.1068	15.0509	0.0456	34.9620	0.3449	35.3069	9.4806	0.3221	9.8027	0.0000	4,233.9283	4,233.9283	0.3375	0.0000	4,242.3667
2018	87.5890	89.7755	81.0180	0.2730	46.9806	1.7789	48.7594	12.7331	1.6605	14.3936	0.0000	25,342.3812	25,342.3812	1.9465	0.0000	25,391.0432
2019	86.5931	83.3946	73.1328	0.2675	46.9805	1.5879	48.5684	12.7331	1.4812	14.2143	0.0000	24,826.2385	24,826.2385	1.8758	0.0000	24,873.1327
2020	86.0283	76.5080	66.9560	0.2641	47.0356	1.3699	48.4054	12.7480	1.2754	14.0234	0.0000	24,475.9212	24,475.9212	1.8006	0.0000	24,520.9357
2021	56.3244	46.2475	40.9540	0.1716	42.1289	0.7374	42.8663	11.4202	0.6840	12.1041	0.0000	15,913.2363	15,913.2363	1.1509	0.0000	15,942.0092
Maximum	**87.5890**	**89.7755**	**81.0180**	**0.2730**	**47.0356**	**1.7789**	**48.7594**	**12.7480**	**1.6605**	**14.3936**	**0.0000**	**25,342.3812**	**25,342.3812**	**1.9465**	**0.0000**	**25,391.0432**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2017**	**1-31-2018**	46.0237	46.0237
2	**2-1-2018**	**4-30-2018**	43.0206	43.0206
3	**5-1-2018**	**7-31-2018**	44.4744	44.4744
4	**8-1-2018**	**10-31-2018**	44.4725	44.4725
5	**11-1-2018**	**1-31-2019**	43.8486	43.8486
6	**2-1-2019**	**4-30-2019**	41.2468	41.2468

7	**5-1-2019**	**7-31-2019**	42.6554	42.6554
8	**8-1-2019**	**10-31-2019**	42.6461	42.6461
9	**11-1-2019**	**1-31-2020**	41.9505	41.9505
10	**2-1-2020**	**4-30-2020**	39.7528	39.7528
11	**5-1-2020**	**7-31-2020**	40.6733	40.6733
12	**8-1-2020**	**10-31-2020**	40.6545	40.6545
13	**11-1-2020**	**1-31-2021**	40.0165	40.0165
14	**2-1-2021**	**4-30-2021**	37.5934	37.5934
15	**5-1-2021**	**7-31-2021**	38.9137	38.9137
16	**8-1-2021**	**9-30-2021**	13.1122	13.1122
		Highest	46.0237	46.0237

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	384.4254	5.5538	359.6530	0.5961		46.1765	46.1765		46.1765	46.1765	4,375.6088	1,886.7124	6,262.3212	4.0879	0.3442	6,467.0818
Energy	1.0922	9.4664	4.9483	0.0596		0.7546	0.7546		0.7546	0.7546	0.0000	75,413.2638	75,413.2638	2.8743	0.7500	75,708.6196
Mobile	90.5384	635.7406	1,326.7840	6.3474	552.8554	3.8617	556.7171	148.1343	3.5972	151.7315	0.0000	589,113.1998	589,113.1998	24.0928	0.0000	589,715.5191
Waste						0.0000	0.0000		0.0000	0.0000	4,445.2484	0.0000	4,445.2484	262.7067	0.0000	11,012.9146
Water						0.0000	0.0000		0.0000	0.0000	883.8900	13,716.0044	14,599.8944	91.3502	2.2608	17,557.3581
Total	**476.0560**	**650.7608**	**1,691.3853**	**7.0031**	**552.8554**	**50.7928**	**603.6482**	**148.1343**	**50.5283**	**198.6626**	**9,704.7472**	**680,129.1804**	**689,833.9275**	**385.1119**	**3.3549**	**700,461.4931**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	384.4254	5.5538	359.6530	0.5961		46.1765	46.1765		46.1765	46.1765	4,375.6088	1,886.7124	6,262.3212	4.0879	0.3442	6,467.0818
Energy	1.0922	9.4664	4.9483	0.0596		0.7546	0.7546		0.7546	0.7546	0.0000	75,413.2638	75,413.2638	2.8743	0.7500	75,708.6196
Mobile	90.5384	635.7406	1,326.7840	6.3474	552.8554	3.8617	556.7171	148.1343	3.5972	151.7315	0.0000	589,113.1998	589,113.1998	24.0928	0.0000	589,715.5191
Waste						0.0000	0.0000		0.0000	0.0000	4,445.2484	0.0000	4,445.2484	262.7067	0.0000	11,012.9146
Water						0.0000	0.0000		0.0000	0.0000	883.8900	13,716.0044	14,599.8944	91.3502	2.2608	17,557.3581
Total	**476.0560**	**650.7608**	**1,691.3853**	**7.0031**	**552.8554**	**50.7928**	**603.6482**	**148.1343**	**50.5283**	**198.6626**	**9,704.7472**	**680,129.1804**	**689,833.9275**	**385.1119**	**3.3549**	**700,461.4931**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	11/1/2017	8/31/2021	5	1000	
2	Building Construction	Building Construction	11/1/2017	8/31/2021	5	1000	
3	Demolition	Demolition	11/1/2017	8/31/2021	5	1000	
4	Grading	Grading	11/1/2017	8/31/2021	5	1000	
5	Paving	Paving	11/1/2017	8/31/2021	5	1000	
6	Site Preparation	Site Preparation	11/1/2017	8/31/2021	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 97.8

Residential Indoor: 15,440,220; Residential Outdoor: 5,146,740; Non-Residential Indoor: 22,376,468; Non-Residential Outdoor: 7,458,823; Striped Parking Area: 255,610 (Architectural Coating – sqft)

OffRoad Equipment

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1,773.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	8,866.00	3,596.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	12.6254					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1400e-003	0.0470	0.0402	6.0000e-005		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003	0.0000	5.4895	5.4895	5.8000e-004	0.0000	5.5040
Total	**12.6326**	**0.0470**	**0.0402**	**6.0000e-005**		**3.7300e-003**	**3.7300e-003**		**3.7300e-003**	**3.7300e-003**	**0.0000**	**5.4895**	**5.4895**	**5.8000e-004**	**0.0000**	**5.5040**

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2018	0.1661	1.6430	3.2400e-003	0.3072	2.3300e-003	0.3095	0.0816	2.1500e-003	0.0838	0.0000	291.5559	291.5559	0.0121	0.0000	291.8585
Total	**0.2018**	**0.1661**	**1.6430**	**3.2400e-003**	**0.3072**	**2.3300e-003**	**0.3095**	**0.0816**	**2.1500e-003**	**0.0838**	**0.0000**	**291.5559**	**291.5559**	**0.0121**	**0.0000**	**291.8585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	12.6254					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1400e-003	0.0470	0.0402	6.0000e-005		3.7300e-003	3.7300e-003		3.7300e-003	3.7300e-003	0.0000	5.4895	5.4895	5.8000e-004	0.0000	5.5040
Total	**12.6326**	**0.0470**	**0.0402**	**6.0000e-005**		**3.7300e-003**	**3.7300e-003**		**3.7300e-003**	**3.7300e-003**	**0.0000**	**5.4895**	**5.4895**	**5.8000e-004**	**0.0000**	**5.5040**

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2018	0.1661	1.6430	3.2400e-003	0.3072	2.3300e-003	0.3095	0.0816	2.1500e-003	0.0838	0.0000	291.5559	291.5559	0.0121	0.0000	291.8585
Total	**0.2018**	**0.1661**	**1.6430**	**3.2400e-003**	**0.3072**	**2.3300e-003**	**0.3095**	**0.0816**	**2.1500e-003**	**0.0838**	**0.0000**	**291.5559**	**291.5559**	**0.0121**	**0.0000**	**291.8585**

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	76.6335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.2618	0.2420	3.9000e-004		0.0197	0.0197		0.0197	0.0197	0.0000	33.3200	33.3200	3.1700e-003	0.0000	33.3992
Total	**76.6725**	**0.2618**	**0.2420**	**3.9000e-004**		**0.0197**	**0.0197**		**0.0197**	**0.0197**	**0.0000**	**33.3200**	**33.3200**	**3.1700e-003**	**0.0000**	**33.3992**

3.2 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0916	0.8770	8.7024	0.0191	1.8645	0.0136	1.8781	0.4953	0.0126	0.5078	0.0000	1,720.3074	1,720.3074	0.0642	0.0000	1,721.9127
Total	**1.0916**	**0.8770**	**8.7024**	**0.0191**	**1.8645**	**0.0136**	**1.8781**	**0.4953**	**0.0126**	**0.5078**	**0.0000**	**1,720.3074**	**1,720.3074**	**0.0642**	**0.0000**	**1,721.9127**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	76.6335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.2618	0.2420	3.9000e-004		0.0197	0.0197		0.0197	0.0197	0.0000	33.3200	33.3200	3.1700e-003	0.0000	33.3991
Total	**76.6725**	**0.2618**	**0.2420**	**3.9000e-004**		**0.0197**	**0.0197**		**0.0197**	**0.0197**	**0.0000**	**33.3200**	**33.3200**	**3.1700e-003**	**0.0000**	**33.3991**

3.2 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0916	0.8770	8.7024	0.0191	1.8645	0.0136	1.8781	0.4953	0.0126	0.5078	0.0000	1,720.3074	1,720.3074	0.0642	0.0000	1,721.9127
Total	**1.0916**	**0.8770**	**8.7024**	**0.0191**	**1.8645**	**0.0136**	**1.8781**	**0.4953**	**0.0126**	**0.5078**	**0.0000**	**1,720.3074**	**1,720.3074**	**0.0642**	**0.0000**	**1,721.9127**

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	76.6335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903
Total	**76.6683**	**0.2395**	**0.2403**	**3.9000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**33.3200**	**33.3200**	**2.8100e-003**	**0.0000**	**33.3903**

3.2 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9911	0.7704	7.6984	0.0184	1.8645	0.0132	1.8777	0.4953	0.0122	0.5074	0.0000	1,661.8670	1,661.8670	0.0563	0.0000	1,663.2750
Total	**0.9911**	**0.7704**	**7.6984**	**0.0184**	**1.8645**	**0.0132**	**1.8777**	**0.4953**	**0.0122**	**0.5074**	**0.0000**	**1,661.8670**	**1,661.8670**	**0.0563**	**0.0000**	**1,663.2750**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	76.6335					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903
Total	**76.6683**	**0.2395**	**0.2403**	**3.9000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**33.3199**	**33.3199**	**2.8100e-003**	**0.0000**	**33.3903**

3.2 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9911	0.7704	7.6984	0.0184	1.8645	0.0132	1.8777	0.4953	0.0122	0.5074	0.0000	1,661.8670	1,661.8670	0.0563	0.0000	1,663.2750
Total	**0.9911**	**0.7704**	**7.6984**	**0.0184**	**1.8645**	**0.0132**	**1.8777**	**0.4953**	**0.0122**	**0.5074**	**0.0000**	**1,661.8670**	**1,661.8670**	**0.0563**	**0.0000**	**1,663.2750**

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	76.9271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	**76.9588**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5124**

3.2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9156	0.6863	6.9544	0.0179	1.8716	0.0129	1.8846	0.4972	0.0119	0.5091	0.0000	1,616.2611	1,616.2611	0.0498	0.0000	1,617.5059
Total	**0.9156**	**0.6863**	**6.9544**	**0.0179**	**1.8716**	**0.0129**	**1.8846**	**0.4972**	**0.0119**	**0.5091**	**0.0000**	**1,616.2611**	**1,616.2611**	**0.0498**	**0.0000**	**1,617.5059**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	76.9271					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	**76.9588**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5123**

3.2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.9156	0.6863	6.9544	0.0179	1.8716	0.0129	1.8846	0.4972	0.0119	0.5091	0.0000	1,616.2611	1,616.2611	0.0498	0.0000	1,617.5059
Total	**0.9156**	**0.6863**	**6.9544**	**0.0179**	**1.8716**	**0.0129**	**1.8846**	**0.4972**	**0.0119**	**0.5091**	**0.0000**	**1,616.2611**	**1,616.2611**	**0.0498**	**0.0000**	**1,617.5059**

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	50.7954					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1321	0.1572	2.6000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	22.0856	22.0856	1.5200e-003	0.0000	22.1235
Total	**50.8143**	**0.1321**	**0.1572**	**2.6000e-004**		**8.1400e-003**	**8.1400e-003**		**8.1400e-003**	**8.1400e-003**	**0.0000**	**22.0856**	**22.0856**	**1.5200e-003**	**0.0000**	**22.1235**

3.2 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5626	0.4059	4.2143	0.0114	1.2359	8.3200e-003	1.2442	0.3283	7.6600e-003	0.3359	0.0000	1,033.2633	1,033.2633	0.0297	0.0000	1,034.0044
Total	**0.5626**	**0.4059**	**4.2143**	**0.0114**	**1.2359**	**8.3200e-003**	**1.2442**	**0.3283**	**7.6600e-003**	**0.3359**	**0.0000**	**1,033.2633**	**1,033.2633**	**0.0297**	**0.0000**	**1,034.0044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	50.7954					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1321	0.1572	2.6000e-004		8.1400e-003	8.1400e-003		8.1400e-003	8.1400e-003	0.0000	22.0856	22.0856	1.5200e-003	0.0000	22.1235
Total	**50.8143**	**0.1321**	**0.1572**	**2.6000e-004**		**8.1400e-003**	**8.1400e-003**		**8.1400e-003**	**8.1400e-003**	**0.0000**	**22.0856**	**22.0856**	**1.5200e-003**	**0.0000**	**22.1235**

3.2 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.5626	0.4059	4.2143	0.0114	1.2359	8.3200e-003	1.2442	0.3283	7.6600e-003	0.3359	0.0000	1,033.2633	1,033.2633	0.0297	0.0000	1,034.0044
Total	**0.5626**	**0.4059**	**4.2143**	**0.0114**	**1.2359**	**8.3200e-003**	**1.2442**	**0.3283**	**7.6600e-003**	**0.3359**	**0.0000**	**1,033.2633**	**1,033.2633**	**0.0297**	**0.0000**	**1,034.0044**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0670	0.5709	0.3909	5.8000e-004		0.0384	0.0384		0.0361	0.0361	0.0000	51.7060	51.7060	0.0127	0.0000	52.0244
Total	**0.0670**	**0.5709**	**0.3909**	**5.8000e-004**		**0.0384**	**0.0384**		**0.0361**	**0.0361**	**0.0000**	**51.7060**	**51.7060**	**0.0127**	**0.0000**	**52.0244**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3741	10.5367	2.5418	0.0219	0.5156	0.0886	0.6042	0.1488	0.0847	0.2335	0.0000	2,094.3294	2,094.3294	0.1551	0.0000	2,098.2067
Worker	1.0089	0.8307	8.2159	0.0162	1.5361	0.0117	1.5477	0.4080	0.0108	0.4188	0.0000	1,457.9441	1,457.9441	0.0605	0.0000	1,459.4569
Total	**1.3830**	**11.3673**	**10.7578**	**0.0381**	**2.0517**	**0.1002**	**2.1519**	**0.5568**	**0.0955**	**0.6523**	**0.0000**	**3,552.2736**	**3,552.2736**	**0.2156**	**0.0000**	**3,557.6636**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0670	0.5709	0.3909	5.8000e-004		0.0384	0.0384		0.0361	0.0361	0.0000	51.7059	51.7059	0.0127	0.0000	52.0244
Total	**0.0670**	**0.5709**	**0.3909**	**5.8000e-004**		**0.0384**	**0.0384**		**0.0361**	**0.0361**	**0.0000**	**51.7059**	**51.7059**	**0.0127**	**0.0000**	**52.0244**

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3741	10.5367	2.5418	0.0219	0.5156	0.0886	0.6042	0.1488	0.0847	0.2335	0.0000	2,094.3294	2,094.3294	0.1551	0.0000	2,098.2067
Worker	1.0089	0.8307	8.2159	0.0162	1.5361	0.0117	1.5477	0.4080	0.0108	0.4188	0.0000	1,457.9441	1,457.9441	0.0605	0.0000	1,459.4569
Total	**1.3830**	**11.3673**	**10.7578**	**0.0381**	**2.0517**	**0.1002**	**2.1519**	**0.5568**	**0.0955**	**0.6523**	**0.0000**	**3,552.2736**	**3,552.2736**	**0.2156**	**0.0000**	**3,557.6636**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3497	3.0524	2.2943	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2862	310.2862	0.0760	0.0000	312.1867
Total	**0.3497**	**3.0524**	**2.2943**	**3.5100e-003**		**0.1957**	**0.1957**		**0.1840**	**0.1840**	**0.0000**	**310.2862**	**310.2862**	**0.0760**	**0.0000**	**312.1867**

3.3 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9822	59.8202	13.5747	0.1328	3.1296	0.4234	3.5531	0.9032	0.4051	1.3083	0.0000	12,687.1433	12,687.1433	0.8973	0.0000	12,709.5765
Worker	5.4584	4.3854	43.5169	0.0954	9.3235	0.0681	9.3917	2.4766	0.0628	2.5394	0.0000	8,602.5072	8,602.5072	0.3211	0.0000	8,610.5346
Total	**7.4405**	**64.2057**	**57.0917**	**0.2281**	**12.4532**	**0.4916**	**12.9448**	**3.3798**	**0.4679**	**3.8477**	**0.0000**	**21,289.6505**	**21,289.6505**	**1.2184**	**0.0000**	**21,320.1112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3497	3.0524	2.2942	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2859	310.2859	0.0760	0.0000	312.1864
Total	**0.3497**	**3.0524**	**2.2942**	**3.5100e-003**		**0.1957**	**0.1957**		**0.1840**	**0.1840**	**0.0000**	**310.2859**	**310.2859**	**0.0760**	**0.0000**	**312.1864**

3.3 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9822	59.8202	13.5747	0.1328	3.1296	0.4234	3.5531	0.9032	0.4051	1.3083	0.0000	12,687.1433	12,687.1433	0.8973	0.0000	12,709.5765
Worker	5.4584	4.3854	43.5169	0.0954	9.3235	0.0681	9.3917	2.4766	0.0628	2.5394	0.0000	8,602.5072	8,602.5072	0.3211	0.0000	8,610.5346
Total	**7.4405**	**64.2057**	**57.0917**	**0.2281**	**12.4532**	**0.4916**	**12.9448**	**3.3798**	**0.4679**	**3.8477**	**0.0000**	**21,289.6505**	**21,289.6505**	**1.2184**	**0.0000**	**21,320.1112**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8110**	**306.8110**	**0.0747**	**0.0000**	**308.6795**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7656	56.0306	12.1354	0.1314	3.1296	0.3583	3.4879	0.9032	0.3428	1.2460	0.0000	12,558.3549	12,558.3549	0.8768	0.0000	12,580.2746
Worker	4.9561	3.8525	38.4962	0.0921	9.3235	0.0660	9.3895	2.4766	0.0608	2.5374	0.0000	8,310.2723	8,310.2723	0.2816	0.0000	8,317.3131
Total	**6.7218**	**59.8832**	**50.6316**	**0.2234**	**12.4531**	**0.4243**	**12.8774**	**3.3798**	**0.4036**	**3.7834**	**0.0000**	**20,868.6272**	**20,868.6272**	**1.1584**	**0.0000**	**20,897.5878**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8106**	**306.8106**	**0.0747**	**0.0000**	**308.6792**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7656	56.0306	12.1354	0.1314	3.1296	0.3583	3.4879	0.9032	0.3428	1.2460	0.0000	12,558.3549	12,558.3549	0.8768	0.0000	12,580.2746
Worker	4.9561	3.8525	38.4962	0.0921	9.3235	0.0660	9.3895	2.4766	0.0608	2.5374	0.0000	8,310.2723	8,310.2723	0.2816	0.0000	8,317.3131
Total	**6.7218**	**59.8832**	**50.6316**	**0.2234**	**12.4531**	**0.4243**	**12.8774**	**3.3798**	**0.4036**	**3.7834**	**0.0000**	**20,868.6272**	**20,868.6272**	**1.1584**	**0.0000**	**20,897.5878**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4091**	**303.4091**	**0.0740**	**0.0000**	**305.2596**

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5004	51.3053	10.7379	0.1309	3.1415	0.2425	3.3840	0.9066	0.2320	1.1386	0.0000	12,519.1628	12,519.1628	0.8402	0.0000	12,540.1685
Worker	4.5785	3.4318	34.7760	0.0895	9.3593	0.0645	9.4238	2.4861	0.0594	2.5456	0.0000	8,082.2170	8,082.2170	0.2490	0.0000	8,088.4415
Total	**6.0789**	**54.7370**	**45.5139**	**0.2204**	**12.5008**	**0.3070**	**12.8078**	**3.3927**	**0.2914**	**3.6841**	**0.0000**	**20,601.3798**	**20,601.3798**	**1.0892**	**0.0000**	**20,628.6100**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4087**	**303.4087**	**0.0740**	**0.0000**	**305.2592**

3.3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5004	51.3053	10.7379	0.1309	3.1415	0.2425	3.3840	0.9066	0.2320	1.1386	0.0000	12,519.1628	12,519.1628	0.8402	0.0000	12,540.1685
Worker	4.5785	3.4318	34.7760	0.0895	9.3593	0.0645	9.4238	2.4861	0.0594	2.5456	0.0000	8,082.2170	8,082.2170	0.2490	0.0000	8,088.4415
Total	**6.0789**	**54.7370**	**45.5139**	**0.2204**	**12.5008**	**0.3070**	**12.8078**	**3.3927**	**0.2914**	**3.6841**	**0.0000**	**20,601.3798**	**20,601.3798**	**1.0892**	**0.0000**	**20,628.6100**

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1644	1.5079	1.4338	2.3300e-003		0.0829	0.0829		0.0780	0.0780	0.0000	200.3662	200.3662	0.0483	0.0000	201.5747
Total	**0.1644**	**1.5079**	**1.4338**	**2.3300e-003**		**0.0829**	**0.0829**		**0.0780**	**0.0780**	**0.0000**	**200.3662**	**200.3662**	**0.0483**	**0.0000**	**201.5747**

3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8445	30.8025	6.2795	0.0859	2.0743	0.0547	2.1290	0.5986	0.0523	0.6510	0.0000	8,223.0844	8,223.0844	0.5372	0.0000	8,236.5155
Worker	2.8135	2.0298	21.0739	0.0572	6.1800	0.0416	6.2216	1.6416	0.0383	1.6799	0.0000	5,166.8992	5,166.8992	0.1483	0.0000	5,170.6053
Total	**3.6580**	**32.8324**	**27.3534**	**0.1431**	**8.2543**	**0.0963**	**8.3506**	**2.2402**	**0.0906**	**2.3308**	**0.0000**	**13,389.9836**	**13,389.9836**	**0.6855**	**0.0000**	**13,407.1209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1644	1.5079	1.4338	2.3300e-003		0.0829	0.0829		0.0780	0.0780	0.0000	200.3660	200.3660	0.0483	0.0000	201.5745
Total	**0.1644**	**1.5079**	**1.4338**	**2.3300e-003**		**0.0829**	**0.0829**		**0.0780**	**0.0780**	**0.0000**	**200.3660**	**200.3660**	**0.0483**	**0.0000**	**201.5745**

3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8445	30.8025	6.2795	0.0859	2.0743	0.0547	2.1290	0.5986	0.0523	0.6510	0.0000	8,223.0844	8,223.0844	0.5372	0.0000	8,236.5155
Worker	2.8135	2.0298	21.0739	0.0572	6.1800	0.0416	6.2216	1.6416	0.0383	1.6799	0.0000	5,166.8992	5,166.8992	0.1483	0.0000	5,170.6053
Total	**3.6580**	**32.8324**	**27.3534**	**0.1431**	**8.2543**	**0.0963**	**8.3506**	**2.2402**	**0.0906**	**2.3308**	**0.0000**	**13,389.9836**	**13,389.9836**	**0.6855**	**0.0000**	**13,407.1209**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0882	0.9191	0.4948	8.3000e-004		0.0472	0.0472		0.0439	0.0439	0.0000	76.5411	76.5411	0.0209	0.0000	77.0643
Total	**0.0882**	**0.9191**	**0.4948**	**8.3000e-004**		**0.0472**	**0.0472**		**0.0439**	**0.0439**	**0.0000**	**76.5411**	**76.5411**	**0.0209**	**0.0000**	**77.0643**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.4100e-003	0.0139	3.0000e-005	2.6000e-003	2.0000e-005	2.6200e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.4666	2.4666	1.0000e-004	0.0000	2.4692
Total	**1.7100e-003**	**1.4100e-003**	**0.0139**	**3.0000e-005**	**2.6000e-003**	**2.0000e-005**	**2.6200e-003**	**6.9000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.4666**	**2.4666**	**1.0000e-004**	**0.0000**	**2.4692**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0882	0.9191	0.4948	8.3000e-004		0.0472	0.0472		0.0439	0.0439	0.0000	76.5410	76.5410	0.0209	0.0000	77.0642
Total	**0.0882**	**0.9191**	**0.4948**	**8.3000e-004**		**0.0472**	**0.0472**		**0.0439**	**0.0439**	**0.0000**	**76.5410**	**76.5410**	**0.0209**	**0.0000**	**77.0642**

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.4100e-003	0.0139	3.0000e-005	2.6000e-003	2.0000e-005	2.6200e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.4666	2.4666	1.0000e-004	0.0000	2.4692
Total	**1.7100e-003**	**1.4100e-003**	**0.0139**	**3.0000e-005**	**2.6000e-003**	**2.0000e-005**	**2.6200e-003**	**6.9000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.4666**	**2.4666**	**1.0000e-004**	**0.0000**	**2.4692**

3.4 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4853	5.0011	2.9107	5.0700e-003		0.2530	0.2530		0.2355	0.2355	0.0000	458.3692	458.3692	0.1263	0.0000	461.5263
Total	**0.4853**	**5.0011**	**2.9107**	**5.0700e-003**		**0.2530**	**0.2530**		**0.2355**	**0.2355**	**0.0000**	**458.3692**	**458.3692**	**0.1263**	**0.0000**	**461.5263**

3.4 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4853	5.0011	2.9107	5.0700e-003		0.2530	0.2530		0.2355	0.2355	0.0000	458.3686	458.3686	0.1263	0.0000	461.5258
Total	**0.4853**	**5.0011**	**2.9107**	**5.0700e-003**		**0.2530**	**0.2530**		**0.2355**	**0.2355**	**0.0000**	**458.3686**	**458.3686**	**0.1263**	**0.0000**	**461.5258**

3.4 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

3.4 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4585	4.6697	2.8788	5.0600e-003		0.2342	0.2342		0.2179	0.2179	0.0000	451.8736	451.8736	0.1257	0.0000	455.0163
Total	**0.4585**	**4.6697**	**2.8788**	**5.0600e-003**		**0.2342**	**0.2342**		**0.2179**	**0.2179**	**0.0000**	**451.8736**	**451.8736**	**0.1257**	**0.0000**	**455.0163**

3.4 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4585	4.6697	2.8788	5.0600e-003		0.2342	0.2342		0.2179	0.2179	0.0000	451.8731	451.8731	0.1257	0.0000	455.0157
Total	**0.4585**	**4.6697**	**2.8788**	**5.0600e-003**		**0.2342**	**0.2342**		**0.2179**	**0.2179**	**0.0000**	**451.8731**	**451.8731**	**0.1257**	**0.0000**	**455.0157**

3.4 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

3.4 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4339	4.3493	2.8497	5.0800e-003		0.2173	0.2173		0.2020	0.2020	0.0000	445.3818	445.3818	0.1257	0.0000	448.5250
Total	**0.4339**	**4.3493**	**2.8497**	**5.0800e-003**		**0.2173**	**0.2173**		**0.2020**	**0.2020**	**0.0000**	**445.3818**	**445.3818**	**0.1257**	**0.0000**	**448.5250**

3.4 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4339	4.3493	2.8497	5.0800e-003		0.2173	0.2173		0.2020	0.2020	0.0000	445.3812	445.3812	0.1257	0.0000	448.5244
Total	**0.4339**	**4.3493**	**2.8497**	**5.0800e-003**		**0.2173**	**0.2173**		**0.2020**	**0.2020**	**0.0000**	**445.3812**	**445.3812**	**0.1257**	**0.0000**	**448.5244**

3.4 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

3.4 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2738	2.7196	1.8654	3.3600e-003		0.1342	0.1342		0.1247	0.1247	0.0000	294.1068	294.1068	0.0828	0.0000	296.1763
Total	**0.2738**	**2.7196**	**1.8654**	**3.3600e-003**		**0.1342**	**0.1342**		**0.1247**	**0.1247**	**0.0000**	**294.1068**	**294.1068**	**0.0828**	**0.0000**	**296.1763**

3.4 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7600e-003	3.4300e-003	0.0357	1.0000e-004	0.0105	7.0000e-005	0.0105	2.7800e-003	6.0000e-005	2.8400e-003	0.0000	8.7417	8.7417	2.5000e-004	0.0000	8.7479
Total	**4.7600e-003**	**3.4300e-003**	**0.0357**	**1.0000e-004**	**0.0105**	**7.0000e-005**	**0.0105**	**2.7800e-003**	**6.0000e-005**	**2.8400e-003**	**0.0000**	**8.7417**	**8.7417**	**2.5000e-004**	**0.0000**	**8.7479**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2738	2.7196	1.8654	3.3600e-003		0.1342	0.1342		0.1247	0.1247	0.0000	294.1064	294.1064	0.0828	0.0000	296.1759
Total	**0.2738**	**2.7196**	**1.8654**	**3.3600e-003**		**0.1342**	**0.1342**		**0.1247**	**0.1247**	**0.0000**	**294.1064**	**294.1064**	**0.0828**	**0.0000**	**296.1759**

3.4 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7600e-003	3.4300e-003	0.0357	1.0000e-004	0.0105	7.0000e-005	0.0105	2.7800e-003	6.0000e-005	2.8400e-003	0.0000	8.7417	8.7417	2.5000e-004	0.0000	8.7479
Total	**4.7600e-003**	**3.4300e-003**	**0.0357**	**1.0000e-004**	**0.0105**	**7.0000e-005**	**0.0105**	**2.7800e-003**	**6.0000e-005**	**2.8400e-003**	**0.0000**	**8.7417**	**8.7417**	**2.5000e-004**	**0.0000**	**8.7479**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1236	1.4607	0.8338	1.3300e-003		0.0661	0.0661		0.0608	0.0608	0.0000	123.7537	123.7537	0.0379	0.0000	124.7016
Total	**0.1236**	**1.4607**	**0.8338**	**1.3300e-003**	**23.5582**	**0.0661**	**23.6243**	**3.8737**	**0.0608**	**3.9345**	**0.0000**	**123.7537**	**123.7537**	**0.0379**	**0.0000**	**124.7016**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2800e-003	1.8700e-003	0.0185	4.0000e-005	3.4700e-003	3.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	3.2888	3.2888	1.4000e-004	0.0000	3.2923
Total	**2.2800e-003**	**1.8700e-003**	**0.0185**	**4.0000e-005**	**3.4700e-003**	**3.0000e-005**	**3.4900e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.2888**	**3.2888**	**1.4000e-004**	**0.0000**	**3.2923**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1236	1.4607	0.8338	1.3300e-003		0.0661	0.0661		0.0608	0.0608	0.0000	123.7535	123.7535	0.0379	0.0000	124.7015
Total	**0.1236**	**1.4607**	**0.8338**	**1.3300e-003**	**23.5582**	**0.0661**	**23.6243**	**3.8737**	**0.0608**	**3.9345**	**0.0000**	**123.7535**	**123.7535**	**0.0379**	**0.0000**	**124.7015**

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2800e-003	1.8700e-003	0.0185	4.0000e-005	3.4700e-003	3.0000e-005	3.4900e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	3.2888	3.2888	1.4000e-004	0.0000	3.2923
Total	**2.2800e-003**	**1.8700e-003**	**0.0185**	**4.0000e-005**	**3.4700e-003**	**3.0000e-005**	**3.4900e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**3.2888**	**3.2888**	**1.4000e-004**	**0.0000**	**3.2923**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6643	7.7676	4.5792	8.1000e-003		0.3437	0.3437		0.3162	0.3162	0.0000	739.2630	739.2630	0.2301	0.0000	745.0165
Total	**0.6643**	**7.7676**	**4.5792**	**8.1000e-003**	**23.5582**	**0.3437**	**23.9019**	**3.8737**	**0.3162**	**4.1899**	**0.0000**	**739.2630**	**739.2630**	**0.2301**	**0.0000**	**745.0165**

3.5 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0123	9.8900e-003	0.0982	2.2000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7300e-003	0.0000	19.4056	19.4056	7.2000e-004	0.0000	19.4237
Total	**0.0123**	**9.8900e-003**	**0.0982**	**2.2000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7300e-003**	**0.0000**	**19.4056**	**19.4056**	**7.2000e-004**	**0.0000**	**19.4237**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6643	7.7676	4.5792	8.1000e-003		0.3437	0.3437		0.3162	0.3162	0.0000	739.2621	739.2621	0.2301	0.0000	745.0156
Total	**0.6643**	**7.7676**	**4.5792**	**8.1000e-003**	**23.5582**	**0.3437**	**23.9019**	**3.8737**	**0.3162**	**4.1899**	**0.0000**	**739.2621**	**739.2621**	**0.2301**	**0.0000**	**745.0156**

3.5 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0123	9.8900e-003	0.0982	2.2000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7300e-003	0.0000	19.4056	19.4056	7.2000e-004	0.0000	19.4237
Total	**0.0123**	**9.8900e-003**	**0.0982**	**2.2000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7300e-003**	**0.0000**	**19.4056**	**19.4056**	**7.2000e-004**	**0.0000**	**19.4237**

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9022	726.9022	0.2300	0.0000	732.6518
Total	**0.6184**	**7.1149**	**4.3557**	**8.0900e-003**	**23.5582**	**0.3109**	**23.8692**	**3.8737**	**0.2861**	**4.1598**	**0.0000**	**726.9022**	**726.9022**	**0.2300**	**0.0000**	**732.6518**

3.5 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0112	8.6900e-003	0.0868	2.1000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7200e-003	0.0000	18.7464	18.7464	6.4000e-004	0.0000	18.7623
Total	**0.0112**	**8.6900e-003**	**0.0868**	**2.1000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7200e-003**	**0.0000**	**18.7464**	**18.7464**	**6.4000e-004**	**0.0000**	**18.7623**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9014	726.9014	0.2300	0.0000	732.6510
Total	**0.6184**	**7.1149**	**4.3557**	**8.0900e-003**	**23.5582**	**0.3109**	**23.8692**	**3.8737**	**0.2861**	**4.1598**	**0.0000**	**726.9014**	**726.9014**	**0.2300**	**0.0000**	**732.6510**

3.5 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0112	8.6900e-003	0.0868	2.1000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7200e-003	0.0000	18.7464	18.7464	6.4000e-004	0.0000	18.7623
Total	**0.0112**	**8.6900e-003**	**0.0868**	**2.1000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7200e-003**	**0.0000**	**18.7464**	**18.7464**	**6.4000e-004**	**0.0000**	**18.7623**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5830	6.5759	4.1865	8.1200e-003		0.2848	0.2848		0.2620	0.2620	0.0000	713.7442	713.7442	0.2308	0.0000	719.5152
Total	**0.5830**	**6.5759**	**4.1865**	**8.1200e-003**	**23.5582**	**0.2848**	**23.8430**	**3.8737**	**0.2620**	**4.1357**	**0.0000**	**713.7442**	**713.7442**	**0.2308**	**0.0000**	**719.5152**

3.5 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.7400e-003	0.0785	2.0000e-004	0.0211	1.5000e-004	0.0213	5.6100e-003	1.3000e-004	5.7400e-003	0.0000	18.2319	18.2319	5.6000e-004	0.0000	18.2460
Total	**0.0103**	**7.7400e-003**	**0.0785**	**2.0000e-004**	**0.0211**	**1.5000e-004**	**0.0213**	**5.6100e-003**	**1.3000e-004**	**5.7400e-003**	**0.0000**	**18.2319**	**18.2319**	**5.6000e-004**	**0.0000**	**18.2460**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5830	6.5759	4.1865	8.1200e-003		0.2848	0.2848		0.2620	0.2620	0.0000	713.7434	713.7434	0.2308	0.0000	719.5144
Total	**0.5830**	**6.5759**	**4.1865**	**8.1200e-003**	**23.5582**	**0.2848**	**23.8430**	**3.8737**	**0.2620**	**4.1357**	**0.0000**	**713.7434**	**713.7434**	**0.2308**	**0.0000**	**719.5144**

3.5 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.7400e-003	0.0785	2.0000e-004	0.0211	1.5000e-004	0.0213	5.6100e-003	1.3000e-004	5.7400e-003	0.0000	18.2319	18.2319	5.6000e-004	0.0000	18.2460
Total	**0.0103**	**7.7400e-003**	**0.0785**	**2.0000e-004**	**0.0211**	**1.5000e-004**	**0.0213**	**5.6100e-003**	**1.3000e-004**	**5.7400e-003**	**0.0000**	**18.2319**	**18.2319**	**5.6000e-004**	**0.0000**	**18.2460**

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3625	4.0136	2.6710	5.3600e-003		0.1717	0.1717		0.1580	0.1580	0.0000	471.3816	471.3816	0.1525	0.0000	475.1930
Total	**0.3625**	**4.0136**	**2.6710**	**5.3600e-003**	**23.5582**	**0.1717**	**23.7300**	**3.8737**	**0.1580**	**4.0317**	**0.0000**	**471.3816**	**471.3816**	**0.1525**	**0.0000**	**475.1930**

3.5 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3500e-003	4.5800e-003	0.0475	1.3000e-004	0.0139	9.0000e-005	0.0140	3.7000e-003	9.0000e-005	3.7900e-003	0.0000	11.6555	11.6555	3.3000e-004	0.0000	11.6639
Total	**6.3500e-003**	**4.5800e-003**	**0.0475**	**1.3000e-004**	**0.0139**	**9.0000e-005**	**0.0140**	**3.7000e-003**	**9.0000e-005**	**3.7900e-003**	**0.0000**	**11.6555**	**11.6555**	**3.3000e-004**	**0.0000**	**11.6639**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3625	4.0136	2.6710	5.3600e-003		0.1717	0.1717		0.1580	0.1580	0.0000	471.3810	471.3810	0.1525	0.0000	475.1924
Total	**0.3625**	**4.0136**	**2.6710**	**5.3600e-003**	**23.5582**	**0.1717**	**23.7300**	**3.8737**	**0.1580**	**4.0317**	**0.0000**	**471.3810**	**471.3810**	**0.1525**	**0.0000**	**475.1924**

3.5 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3500e-003	4.5800e-003	0.0475	1.3000e-004	0.0139	9.0000e-005	0.0140	3.7000e-003	9.0000e-005	3.7900e-003	0.0000	11.6555	11.6555	3.3000e-004	0.0000	11.6639
Total	**6.3500e-003**	**4.5800e-003**	**0.0475**	**1.3000e-004**	**0.0139**	**9.0000e-005**	**0.0140**	**3.7000e-003**	**9.0000e-005**	**3.7900e-003**	**0.0000**	**11.6555**	**11.6555**	**3.3000e-004**	**0.0000**	**11.6639**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0418	0.4454	0.3232	4.9000e-004		0.0249	0.0249		0.0229	0.0229	0.0000	45.4580	45.4580	0.0139	0.0000	45.8062
Paving	5.5100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0473**	**0.4454**	**0.3232**	**4.9000e-004**		**0.0249**	**0.0249**		**0.0229**	**0.0229**	**0.0000**	**45.4580**	**45.4580**	**0.0139**	**0.0000**	**45.8062**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.4100e-003	0.0139	3.0000e-005	2.6000e-003	2.0000e-005	2.6200e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.4666	2.4666	1.0000e-004	0.0000	2.4692
Total	**1.7100e-003**	**1.4100e-003**	**0.0139**	**3.0000e-005**	**2.6000e-003**	**2.0000e-005**	**2.6200e-003**	**6.9000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.4666**	**2.4666**	**1.0000e-004**	**0.0000**	**2.4692**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0418	0.4454	0.3232	4.9000e-004		0.0249	0.0249		0.0229	0.0229	0.0000	45.4580	45.4580	0.0139	0.0000	45.8062
Paving	5.5100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0473**	**0.4454**	**0.3232**	**4.9000e-004**		**0.0249**	**0.0249**		**0.0229**	**0.0229**	**0.0000**	**45.4580**	**45.4580**	**0.0139**	**0.0000**	**45.8062**

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7100e-003	1.4100e-003	0.0139	3.0000e-005	2.6000e-003	2.0000e-005	2.6200e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.4666	2.4666	1.0000e-004	0.0000	2.4692
Total	**1.7100e-003**	**1.4100e-003**	**0.0139**	**3.0000e-005**	**2.6000e-003**	**2.0000e-005**	**2.6200e-003**	**6.9000e-004**	**2.0000e-005**	**7.1000e-004**	**0.0000**	**2.4666**	**2.4666**	**1.0000e-004**	**0.0000**	**2.4692**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2145	2.2865	1.9309	2.9700e-003		0.1248	0.1248		0.1148	0.1148	0.0000	271.5917	271.5917	0.0846	0.0000	273.7054
Paving	0.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2479**	**2.2865**	**1.9309**	**2.9700e-003**		**0.1248**	**0.1248**		**0.1148**	**0.1148**	**0.0000**	**271.5917**	**271.5917**	**0.0846**	**0.0000**	**273.7054**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2145	2.2865	1.9309	2.9700e-003		0.1248	0.1248		0.1148	0.1148	0.0000	271.5914	271.5914	0.0846	0.0000	273.7051
Paving	0.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2479**	**2.2865**	**1.9309**	**2.9700e-003**		**0.1248**	**0.1248**		**0.1148**	**0.1148**	**0.0000**	**271.5914**	**271.5914**	**0.0846**	**0.0000**	**273.7051**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1898	1.9894	1.9138	2.9800e-003		0.1076	0.1076		0.0990	0.0990	0.0000	267.2011	267.2011	0.0845	0.0000	269.3146
Paving	0.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2232**	**1.9894**	**1.9138**	**2.9800e-003**		**0.1076**	**0.1076**		**0.0990**	**0.0990**	**0.0000**	**267.2011**	**267.2011**	**0.0845**	**0.0000**	**269.3146**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1898	1.9894	1.9138	2.9800e-003		0.1076	0.1076		0.0990	0.0990	0.0000	267.2008	267.2008	0.0845	0.0000	269.3143
Paving	0.0334					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2232**	**1.9894**	**1.9138**	**2.9800e-003**		**0.1076**	**0.1076**		**0.0990**	**0.0990**	**0.0000**	**267.2008**	**267.2008**	**0.0845**	**0.0000**	**269.3143**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.8426	1.9194	2.9900e-003		0.0986	0.0986		0.0907	0.0907	0.0000	262.3697	262.3697	0.0849	0.0000	264.4911
Paving	0.0336					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2113**	**1.8426**	**1.9194**	**2.9900e-003**		**0.0986**	**0.0986**		**0.0907**	**0.0907**	**0.0000**	**262.3697**	**262.3697**	**0.0849**	**0.0000**	**264.4911**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.8426	1.9194	2.9900e-003		0.0986	0.0986		0.0907	0.0907	0.0000	262.3694	262.3694	0.0849	0.0000	264.4908
Paving	0.0336					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2113**	**1.8426**	**1.9194**	**2.9900e-003**		**0.0986**	**0.0986**		**0.0907**	**0.0907**	**0.0000**	**262.3694**	**262.3694**	**0.0849**	**0.0000**	**264.4908**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1086	1.1175	1.2675	1.9700e-003		0.0586	0.0586		0.0539	0.0539	0.0000	173.2031	173.2031	0.0560	0.0000	174.6035
Paving	0.0222					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1308**	**1.1175**	**1.2675**	**1.9700e-003**		**0.0586**	**0.0586**		**0.0539**	**0.0539**	**0.0000**	**173.2031**	**173.2031**	**0.0560**	**0.0000**	**174.6035**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7600e-003	3.4300e-003	0.0357	1.0000e-004	0.0105	7.0000e-005	0.0105	2.7800e-003	6.0000e-005	2.8400e-003	0.0000	8.7417	8.7417	2.5000e-004	0.0000	8.7479
Total	**4.7600e-003**	**3.4300e-003**	**0.0357**	**1.0000e-004**	**0.0105**	**7.0000e-005**	**0.0105**	**2.7800e-003**	**6.0000e-005**	**2.8400e-003**	**0.0000**	**8.7417**	**8.7417**	**2.5000e-004**	**0.0000**	**8.7479**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1086	1.1175	1.2675	1.9700e-003		0.0586	0.0586		0.0539	0.0539	0.0000	173.2029	173.2029	0.0560	0.0000	174.6033
Paving	0.0222					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1308**	**1.1175**	**1.2675**	**1.9700e-003**		**0.0586**	**0.0586**		**0.0539**	**0.0539**	**0.0000**	**173.2029**	**173.2029**	**0.0560**	**0.0000**	**174.6033**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7600e-003	3.4300e-003	0.0357	1.0000e-004	0.0105	7.0000e-005	0.0105	2.7800e-003	6.0000e-005	2.8400e-003	0.0000	8.7417	8.7417	2.5000e-004	0.0000	8.7479
Total	**4.7600e-003**	**3.4300e-003**	**0.0357**	**1.0000e-004**	**0.0105**	**7.0000e-005**	**0.0105**	**2.7800e-003**	**6.0000e-005**	**2.8400e-003**	**0.0000**	**8.7417**	**8.7417**	**2.5000e-004**	**0.0000**	**8.7479**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1067	1.1239	0.5043	8.2000e-004		0.0619	0.0619		0.0569	0.0569	0.0000	75.9689	75.9689	0.0233	0.0000	76.5509
Total	**0.1067**	**1.1239**	**0.5043**	**8.2000e-004**	**9.0331**	**0.0619**	**9.0950**	**4.9653**	**0.0569**	**5.0223**	**0.0000**	**75.9689**	**75.9689**	**0.0233**	**0.0000**	**76.5509**

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0500e-003	1.6900e-003	0.0167	3.0000e-005	3.1200e-003	2.0000e-005	3.1400e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.9600	2.9600	1.2000e-004	0.0000	2.9630
Total	**2.0500e-003**	**1.6900e-003**	**0.0167**	**3.0000e-005**	**3.1200e-003**	**2.0000e-005**	**3.1400e-003**	**8.3000e-004**	**2.0000e-005**	**8.5000e-004**	**0.0000**	**2.9600**	**2.9600**	**1.2000e-004**	**0.0000**	**2.9630**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1067	1.1239	0.5043	8.2000e-004		0.0619	0.0619		0.0569	0.0569	0.0000	75.9689	75.9689	0.0233	0.0000	76.5508
Total	**0.1067**	**1.1239**	**0.5043**	**8.2000e-004**	**9.0331**	**0.0619**	**9.0950**	**4.9653**	**0.0569**	**5.0223**	**0.0000**	**75.9689**	**75.9689**	**0.0233**	**0.0000**	**76.5508**

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0500e-003	1.6900e-003	0.0167	3.0000e-005	3.1200e-003	2.0000e-005	3.1400e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.9600	2.9600	1.2000e-004	0.0000	2.9630
Total	**2.0500e-003**	**1.6900e-003**	**0.0167**	**3.0000e-005**	**3.1200e-003**	**2.0000e-005**	**3.1400e-003**	**8.3000e-004**	**2.0000e-005**	**8.5000e-004**	**0.0000**	**2.9600**	**2.9600**	**1.2000e-004**	**0.0000**	**2.9630**

3.7 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5954	6.2899	2.9332	4.9600e-003		0.3363	0.3363		0.3094	0.3094	0.0000	453.6168	453.6168	0.1412	0.0000	457.1472
Total	**0.5954**	**6.2899**	**2.9332**	**4.9600e-003**	**9.0331**	**0.3363**	**9.3694**	**4.9653**	**0.3094**	**5.2747**	**0.0000**	**453.6168**	**453.6168**	**0.1412**	**0.0000**	**457.1472**

3.7 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	8.9000e-003	0.0884	1.9000e-004	0.0189	1.4000e-004	0.0191	5.0300e-003	1.3000e-004	5.1600e-003	0.0000	17.4651	17.4651	6.5000e-004	0.0000	17.4814
Total	**0.0111**	**8.9000e-003**	**0.0884**	**1.9000e-004**	**0.0189**	**1.4000e-004**	**0.0191**	**5.0300e-003**	**1.3000e-004**	**5.1600e-003**	**0.0000**	**17.4651**	**17.4651**	**6.5000e-004**	**0.0000**	**17.4814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5954	6.2899	2.9332	4.9600e-003		0.3363	0.3363		0.3094	0.3094	0.0000	453.6163	453.6163	0.1412	0.0000	457.1467
Total	**0.5954**	**6.2899**	**2.9332**	**4.9600e-003**	**9.0331**	**0.3363**	**9.3694**	**4.9653**	**0.3094**	**5.2747**	**0.0000**	**453.6163**	**453.6163**	**0.1412**	**0.0000**	**457.1467**

3.7 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	8.9000e-003	0.0884	1.9000e-004	0.0189	1.4000e-004	0.0191	5.0300e-003	1.3000e-004	5.1600e-003	0.0000	17.4651	17.4651	6.5000e-004	0.0000	17.4814
Total	**0.0111**	**8.9000e-003**	**0.0884**	**1.9000e-004**	**0.0189**	**1.4000e-004**	**0.0191**	**5.0300e-003**	**1.3000e-004**	**5.1600e-003**	**0.0000**	**17.4651**	**17.4651**	**6.5000e-004**	**0.0000**	**17.4814**

3.7 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5657	5.9472	2.8792	4.9600e-003		0.3119	0.3119		0.2870	0.2870	0.0000	445.9014	445.9014	0.1411	0.0000	449.4283
Total	**0.5657**	**5.9472**	**2.8792**	**4.9600e-003**	**9.0331**	**0.3119**	**9.3451**	**4.9653**	**0.2870**	**5.2523**	**0.0000**	**445.9014**	**445.9014**	**0.1411**	**0.0000**	**449.4283**

3.7 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	7.8200e-003	0.0782	1.9000e-004	0.0189	1.3000e-004	0.0191	5.0300e-003	1.2000e-004	5.1500e-003	0.0000	16.8718	16.8718	5.7000e-004	0.0000	16.8860
Total	**0.0101**	**7.8200e-003**	**0.0782**	**1.9000e-004**	**0.0189**	**1.3000e-004**	**0.0191**	**5.0300e-003**	**1.2000e-004**	**5.1500e-003**	**0.0000**	**16.8718**	**16.8718**	**5.7000e-004**	**0.0000**	**16.8860**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5657	5.9472	2.8792	4.9600e-003		0.3119	0.3119		0.2870	0.2870	0.0000	445.9008	445.9008	0.1411	0.0000	449.4278
Total	**0.5657**	**5.9472**	**2.8792**	**4.9600e-003**	**9.0331**	**0.3119**	**9.3451**	**4.9653**	**0.2870**	**5.2523**	**0.0000**	**445.9008**	**445.9008**	**0.1411**	**0.0000**	**449.4278**

3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	7.8200e-003	0.0782	1.9000e-004	0.0189	1.3000e-004	0.0191	5.0300e-003	1.2000e-004	5.1500e-003	0.0000	16.8718	16.8718	5.7000e-004	0.0000	16.8860
Total	**0.0101**	**7.8200e-003**	**0.0782**	**1.9000e-004**	**0.0189**	**1.3000e-004**	**0.0191**	**5.0300e-003**	**1.2000e-004**	**5.1500e-003**	**0.0000**	**16.8718**	**16.8718**	**5.7000e-004**	**0.0000**	**16.8860**

3.7 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	5.5567	2.8183	4.9800e-003		0.2879	0.2879		0.2648	0.2648	0.0000	437.9419	437.9419	0.1416	0.0000	441.4829
Total	**0.5340**	**5.5567**	**2.8183**	**4.9800e-003**	**9.0331**	**0.2879**	**9.3210**	**4.9653**	**0.2648**	**5.2302**	**0.0000**	**437.9419**	**437.9419**	**0.1416**	**0.0000**	**441.4829**

3.7 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-003	6.9700e-003	0.0706	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.4087	16.4087	5.1000e-004	0.0000	16.4214
Total	**9.3000e-003**	**6.9700e-003**	**0.0706**	**1.8000e-004**	**0.0190**	**1.3000e-004**	**0.0191**	**5.0500e-003**	**1.2000e-004**	**5.1700e-003**	**0.0000**	**16.4087**	**16.4087**	**5.1000e-004**	**0.0000**	**16.4214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	5.5567	2.8183	4.9800e-003		0.2879	0.2879		0.2648	0.2648	0.0000	437.9414	437.9414	0.1416	0.0000	441.4824
Total	**0.5340**	**5.5567**	**2.8183**	**4.9800e-003**	**9.0331**	**0.2879**	**9.3210**	**4.9653**	**0.2648**	**5.2302**	**0.0000**	**437.9414**	**437.9414**	**0.1416**	**0.0000**	**441.4824**

3.7 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-003	6.9700e-003	0.0706	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.4087	16.4087	5.1000e-004	0.0000	16.4214
Total	**9.3000e-003**	**6.9700e-003**	**0.0706**	**1.8000e-004**	**0.0190**	**1.3000e-004**	**0.0191**	**5.0500e-003**	**1.2000e-004**	**5.1700e-003**	**0.0000**	**16.4087**	**16.4087**	**5.1000e-004**	**0.0000**	**16.4214**

3.7 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3363	3.5030	1.8298	3.2900e-003		0.1769	0.1769		0.1627	0.1627	0.0000	289.2190	289.2190	0.0935	0.0000	291.5574
Total	**0.3363**	**3.5030**	**1.8298**	**3.2900e-003**	**9.0331**	**0.1769**	**9.2100**	**4.9653**	**0.1627**	**5.1280**	**0.0000**	**289.2190**	**289.2190**	**0.0935**	**0.0000**	**291.5574**

3.7 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7100e-003	4.1200e-003	0.0428	1.2000e-004	0.0126	8.0000e-005	0.0126	3.3300e-003	8.0000e-005	3.4100e-003	0.0000	10.4900	10.4900	3.0000e-004	0.0000	10.4975
Total	**5.7100e-003**	**4.1200e-003**	**0.0428**	**1.2000e-004**	**0.0126**	**8.0000e-005**	**0.0126**	**3.3300e-003**	**8.0000e-005**	**3.4100e-003**	**0.0000**	**10.4900**	**10.4900**	**3.0000e-004**	**0.0000**	**10.4975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3363	3.5030	1.8298	3.2900e-003		0.1769	0.1769		0.1627	0.1627	0.0000	289.2186	289.2186	0.0935	0.0000	291.5571
Total	**0.3363**	**3.5030**	**1.8298**	**3.2900e-003**	**9.0331**	**0.1769**	**9.2100**	**4.9653**	**0.1627**	**5.1280**	**0.0000**	**289.2186**	**289.2186**	**0.0935**	**0.0000**	**291.5571**

3.7 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7100e-003	4.1200e-003	0.0428	1.2000e-004	0.0126	8.0000e-005	0.0126	3.3300e-003	8.0000e-005	3.4100e-003	0.0000	10.4900	10.4900	3.0000e-004	0.0000	10.4975
Total	**5.7100e-003**	**4.1200e-003**	**0.0428**	**1.2000e-004**	**0.0126**	**8.0000e-005**	**0.0126**	**3.3300e-003**	**8.0000e-005**	**3.4100e-003**	**0.0000**	**10.4900**	**10.4900**	**3.0000e-004**	**0.0000**	**10.4975**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	90.5384	635.7406	1,326.7840	6.3474	552.8554	3.8617	556.7171	148.1343	3.5972	151.7315	0.0000	589,113.1998	589,113.1998	24.0928	0.0000	589,715.5191
Unmitigated	90.5384	635.7406	1,326.7840	6.3474	552.8554	3.8617	556.7171	148.1343	3.5972	151.7315	0.0000	589,113.1998	589,113.1998	24.0928	0.0000	589,715.5191

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	17,090.19	4,316.41	1842.37	31,274,953	31,274,953
Industrial Park	38,600.06	19,377.85	5681.06	949,670,518	949,670,518
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	203,122.56	268,875.08	135809.63	355,744,921	355,744,921
Single Family Housing	41,258.64	41,978.76	36514.32	115,546,745	115,546,745
Total	300,071.45	334,548.10	179,847.37	1,452,237,136	1,452,237,136

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Other Asphalt Surfaces	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	64,604.4089	64,604.4089	2.6672	0.5518	64,835.5331
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	64,604.4089	64,604.4089	2.6672	0.5518	64,835.5331
NaturalGas Mitigated	1.0922	9.4664	4.9483	0.0596		0.7546	0.7546		0.7546	0.7546	0.0000	10,808.8549	10,808.8549	0.2072	0.1982	10,873.0865
NaturalGas Unmitigated	1.0922	9.4664	4.9483	0.0596		0.7546	0.7546		0.7546	0.7546	0.0000	10,808.8549	10,808.8549	0.2072	0.1982	10,873.0865

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6.12369e+006	0.0330	0.3002	0.2522	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.7834	326.7834	6.2600e-003	5.9900e-003	328.7253
Industrial Park	2.71601e+007	0.1465	1.3314	1.1184	7.9900e-003		0.1012	0.1012		0.1012	0.1012	0.0000	1,449.3685	1,449.3685	0.0278	0.0266	1,457.9814
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.1999e+007	0.0647	0.5882	0.4941	3.5300e-003		0.0447	0.0447		0.0447	0.0447	0.0000	640.3139	640.3139	0.0123	0.0117	644.1190
Single Family Housing	1.57267e+008	0.8480	7.2466	3.0837	0.0463		0.5859	0.5859		0.5859	0.5859	0.0000	8,392.3890	8,392.3890	0.1609	0.1539	8,442.2608
Total		**1.0922**	**9.4664**	**4.9483**	**0.0596**		**0.7546**	**0.7546**		**0.7546**	**0.7546**	**0.0000**	**10,808.8549**	**10,808.8549**	**0.2072**	**0.1982**	**10,873.0865**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6.12369e+006	0.0330	0.3002	0.2522	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.7834	326.7834	6.2600e-003	5.9900e-003	328.7253
Industrial Park	2.71601e+007	0.1465	1.3314	1.1184	7.9900e-003		0.1012	0.1012		0.1012	0.1012	0.0000	1,449.3685	1,449.3685	0.0278	0.0266	1,457.9814
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.1999e+007	0.0647	0.5882	0.4941	3.5300e-003		0.0447	0.0447		0.0447	0.0447	0.0000	640.3139	640.3139	0.0123	0.0117	644.1190
Single Family Housing	1.57267e+008	0.8480	7.2466	3.0837	0.0463		0.5859	0.5859		0.5859	0.5859	0.0000	8,392.3890	8,392.3890	0.1609	0.1539	8,442.2608
Total		**1.0922**	**9.4664**	**4.9483**	**0.0596**		**0.7546**	**0.7546**		**0.7546**	**0.7546**	**0.0000**	**10,808.8549**	**10,808.8549**	**0.2072**	**0.1982**	**10,873.0865**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.71253e+007	5,456.4800	0.2253	0.0466	5,476.0008
Industrial Park	7.5955e+007	24,200.8916	0.9991	0.2067	24,287.4710
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.00033e+007	22,304.5544	0.9208	0.1905	22,384.3497
Single Family Housing	3.96787e+007	12,642.4829	0.5219	0.1080	12,687.7117
Total		**64,604.4089**	**2.6672**	**0.5518**	**64,835.5331**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.71253e+007	5,456.4800	0.2253	0.0466	5,476.0008
Industrial Park	7.5955e+007	24,200.8916	0.9991	0.2067	24,287.4710
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.00033e+007	22,304.5544	0.9208	0.1905	22,384.3497
Single Family Housing	3.96787e+007	12,642.4829	0.5219	0.1080	12,687.7117
Total		**64,604.4089**	**2.6672**	**0.5518**	**64,835.5331**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	384.4254	5.5538	359.6530	0.5961		46.1765	46.1765		46.1765	46.1765	4,375.6088	1,886.7124	6,262.3212	4.0879	0.3442	6,467.0818
Unmitigated	384.4254	5.5538	359.6530	0.5961		46.1765	46.1765		46.1765	46.1765	4,375.6088	1,886.7124	6,262.3212	4.0879	0.3442	6,467.0818

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	29.3615					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	88.3149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	265.7929	5.1906	328.0924	0.5944		46.0017	46.0017		46.0017	46.0017	4,375.6088	1,835.0665	6,210.6754	4.0380	0.3442	6,414.1884
Landscaping	0.9561	0.3632	31.5606	1.6700e-003		0.1749	0.1749		0.1749	0.1749	0.0000	51.6459	51.6459	0.0499	0.0000	52.8933
Total	**384.4254**	**5.5538**	**359.6530**	**0.5961**		**46.1765**	**46.1765**		**46.1765**	**46.1765**	**4,375.6088**	**1,886.7124**	**6,262.3212**	**4.0879**	**0.3442**	**6,467.0818**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	29.3615					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	88.3149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	265.7929	5.1906	328.0924	0.5944		46.0017	46.0017		46.0017	46.0017	4,375.6088	1,835.0665	6,210.6754	4.0380	0.3442	6,414.1884
Landscaping	0.9561	0.3632	31.5606	1.6700e-003		0.1749	0.1749		0.1749	0.1749	0.0000	51.6459	51.6459	0.0499	0.0000	52.8933
Total	**384.4254**	**5.5538**	**359.6530**	**0.5961**		**46.1765**	**46.1765**		**46.1765**	**46.1765**	**4,375.6088**	**1,886.7124**	**6,262.3212**	**4.0879**	**0.3442**	**6,467.0818**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14,599.8944	91.3502	2.2608	17,557.3581
Unmitigated	14,599.8944	91.3502	2.2608	17,557.3581

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	311.859 / 191.139	2,069.3792	10.2433	0.2568	2,401.9801
Industrial Park	1799.65 / 0	8,037.2788	58.9499	1.4484	9,942.6577
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	398.564 / 244.281	2,644.7247	13.0912	0.3282	3,069.7981
Single Family Housing	275.992 / 173.995	1,848.5117	9.0659	0.2274	2,142.9222
Total		**14,599.8944**	**91.3502**	**2.2608**	**17,557.3581**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	311.859 / 191.139	2,069.3792	10.2433	0.2568	2,401.9801
Industrial Park	1799.65 / 0	8,037.2788	58.9499	1.4484	9,942.6577
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	398.564 / 244.281	2,644.7247	13.0912	0.3282	3,069.7981
Single Family Housing	275.992 / 173.995	1,848.5117	9.0659	0.2274	2,142.9222
Total		**14,599.8944**	**91.3502**	**2.2608**	**17,557.3581**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4,445.2484	262.7067	0.0000	11,012.9146
Unmitigated	4,445.2484	262.7067	0.0000	11,012.9146

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1631.82	331.2447	19.5760	0.0000	820.6448
Industrial Park	9650.01	1,958.8648	115.7656	0.0000	4,853.0047
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5649.77	1,146.8523	67.7770	0.0000	2,841.2779
Single Family Housing	4967.15	1,008.2866	59.5880	0.0000	2,497.9873
Total		**4,445.2483**	**262.7067**	**0.0000**	**11,012.9146**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1631.82	331.2447	19.5760	0.0000	820.6448
Industrial Park	9650.01	1,958.8648	115.7656	0.0000	4,853.0047
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5649.77	1,146.8523	67.7770	0.0000	2,841.2779
Single Family Housing	4967.15	1,008.2866	59.5880	0.0000	2,497.9873
Total		**4,445.2483**	**262.7067**	**0.0000**	**11,012.9146**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

2008 Annexation Re-Run

San Bernardino-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	4,236.00	Dwelling Unit	1,091.60	7,624,800.00	12115
General Office Building	1,754.64	1000sqft	183.10	1,754,639.00	0
Regional Shopping Center	5,380.73	1000sqft	590.00	5,380,731.00	0
Industrial Park	7,782.27	1000sqft	812.10	7,782,275.00	0
Other Asphalt Surfaces	97.80	Acre	97.80	4,260,168.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Original 2008 Annexation land use breakdown, including street ROW.

Construction Phase - GP Buildout is 2025.

Off-road Equipment -

Vehicle Trips - Same trip rates used for 2017 annexation for comparison.

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	1,754,640.00	1,754,639.00
tblLandUse	BuildingSpaceSquareFeet	5,380,730.00	5,380,731.00
tblLandUse	BuildingSpaceSquareFeet	7,782,270.00	7,782,275.00
tblLandUse	LandUseSquareFeet	1,754,640.00	1,754,639.00
tblLandUse	LandUseSquareFeet	5,380,730.00	5,380,731.00
tblLandUse	LandUseSquareFeet	7,782,270.00	7,782,275.00
tblLandUse	LotAcreage	1,375.32	1,091.60
tblLandUse	LotAcreage	40.28	183.10
tblLandUse	LotAcreage	123.52	590.00
tblLandUse	LotAcreage	178.66	812.10
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00

tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	688.4098	735.4654	755.0600	2.2179	177.5010	16.0194	193.5203	48.0225	14.9624	62.9849	0.0000	226,843.6523	226,843.6523	17.3220	0.0000	227,276.7008
2018	677.2430	676.3245	669.8023	2.1873	177.5005	13.6146	191.1151	48.0223	12.7082	60.7306	0.0000	223,660.6116	223,660.6116	16.4273	0.0000	224,071.2941
2019	669.0836	629.1237	604.1211	2.1431	177.5001	12.1531	189.6532	48.0222	11.3363	59.3585	0.0000	219,036.3166	219,036.3166	15.7991	0.0000	219,431.2942
2020	661.7779	576.1049	551.0148	2.1062	177.4996	10.4477	187.9473	48.0220	9.7272	57.7492	0.0000	215,052.5787	215,052.5787	15.0856	0.0000	215,429.7174
2021	655.8361	528.4940	510.6978	2.0716	177.4992	8.5179	186.0171	48.0218	7.9004	55.9223	0.0000	211,642.3115	211,642.3115	14.5820	0.0000	212,006.8617
Maximum	**688.4098**	**735.4654**	**755.0600**	**2.2179**	**177.5010**	**16.0194**	**193.5203**	**48.0225**	**14.9624**	**62.9849**	**0.0000**	**226,843.6523**	**226,843.6523**	**17.3220**	**0.0000**	**227,276.7008**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	688.4098	735.4654	755.0600	2.2179	177.5010	16.0194	193.5203	48.0225	14.9624	62.9849	0.0000	226,843.6523	226,843.6523	17.3220	0.0000	227,276.7008
2018	677.2430	676.3245	669.8023	2.1873	177.5005	13.6146	191.1151	48.0223	12.7082	60.7306	0.0000	223,660.6116	223,660.6116	16.4273	0.0000	224,071.2941
2019	669.0836	629.1237	604.1211	2.1431	177.5001	12.1531	189.6532	48.0222	11.3363	59.3585	0.0000	219,036.3166	219,036.3166	15.7991	0.0000	219,431.2942
2020	661.7779	576.1049	551.0148	2.1062	177.4996	10.4477	187.9473	48.0220	9.7272	57.7492	0.0000	215,052.5787	215,052.5787	15.0856	0.0000	215,429.7174
2021	655.8361	528.4940	510.6978	2.0716	177.4992	8.5179	186.0171	48.0218	7.9004	55.9223	0.0000	211,642.3115	211,642.3115	14.5820	0.0000	212,006.8616
Maximum	**688.4098**	**735.4654**	**755.0600**	**2.2179**	**177.5010**	**16.0194**	**193.5203**	**48.0225**	**14.9624**	**62.9849**	**0.0000**	**226,843.6523**	**226,843.6523**	**17.3220**	**0.0000**	**227,276.7008**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044
Energy	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162
Mobile	724.8482	4,281.4162	10,256.7289	46.1900	3,854.2934	26.4543	3,880.7477	1,031.1161	24.6409	1,055.7570		4,719,305.7530	4,719,305.7530	184.9886		4,723,930.4677
Total	**7,869.0117**	**4,463.9231**	**18,636.7705**	**61.0329**	**3,854.2934**	**1,154.5242**	**5,008.8176**	**1,031.1161**	**1,152.7108**	**2,183.8269**	**117,641.0514**	**4,834,561.4012**	**4,952,202.4525**	**295.4142**	**10.4503**	**4,962,701.9882**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044
Energy	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162
Mobile	724.8482	4,281.4162	10,256.7289	46.1900	3,854.2934	26.4543	3,880.7477	1,031.1161	24.6409	1,055.7570		4,719,305.7530	4,719,305.7530	184.9886		4,723,930.4677
Total	**7,869.0117**	**4,463.9231**	**18,636.7705**	**61.0329**	**3,854.2934**	**1,154.5242**	**5,008.8176**	**1,031.1161**	**1,152.7108**	**2,183.8269**	**117,641.0514**	**4,834,561.4012**	**4,952,202.4525**	**295.4142**	**10.4503**	**4,962,701.9882**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	11/1/2017	8/31/2021	5	1000	
2	Building Construction	Building Construction	11/1/2017	8/31/2021	5	1000	
3	Demolition	Demolition	11/1/2017	8/31/2021	5	1000	
4	Grading	Grading	11/1/2017	8/31/2021	5	1000	
5	Paving	Paving	11/1/2017	8/31/2021	5	1000	
6	Site Preparation	Site Preparation	11/1/2017	8/31/2021	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 97.8

Residential Indoor: 15,440,220; Residential Outdoor: 5,146,740; Non-Residential Indoor: 22,376,468; Non-Residential Outdoor: 7,458,823; Striped Parking Area: 255,610 (Architectural Coating – sqft)

OffRoad Equipment

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1,773.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	8,866.00	3,596.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**587.5620**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	10.5304	6.9648	86.7462	0.1641	14.5648	0.1084	14.6732	3.8633	0.1000	3.9633		16,294.6612	16,294.6612	0.6781		16,311.6140
Total	**10.5304**	**6.9648**	**86.7462**	**0.1641**	**14.5648**	**0.1084**	**14.6732**	**3.8633**	**0.1000**	**3.9633**		**16,294.6612**	**16,294.6612**	**0.6781**		**16,311.6140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**587.5620**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	10.5304	6.9648	86.7462	0.1641	14.5648	0.1084	14.6732	3.8633	0.1000	3.9633		16,294.6612	16,294.6612	0.6781		16,311.6140
Total	**10.5304**	**6.9648**	**86.7462**	**0.1641**	**14.5648**	**0.1084**	**14.6732**	**3.8633**	**0.1000**	**3.9633**		**16,294.6612**	**16,294.6612**	**0.6781**		**16,311.6140**

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**587.5283**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.4119	6.0638	75.9684	0.1594	14.5648	0.1044	14.6692	3.8633	0.0962	3.9595		15,842.9422	15,842.9422	0.5949		15,857.8153
Total	**9.4119**	**6.0638**	**75.9684**	**0.1594**	**14.5648**	**0.1044**	**14.6692**	**3.8633**	**0.0962**	**3.9595**		**15,842.9422**	**15,842.9422**	**0.5949**		**15,857.8153**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**587.5283**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.4119	6.0638	75.9684	0.1594	14.5648	0.1044	14.6692	3.8633	0.0962	3.9595		15,842.9422	15,842.9422	0.5949		15,857.8153
Total	**9.4119**	**6.0638**	**75.9684**	**0.1594**	**14.5648**	**0.1044**	**14.6692**	**3.8633**	**0.0962**	**3.9595**		**15,842.9422**	**15,842.9422**	**0.5949**		**15,857.8153**

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**587.4962**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.5534	5.3296	67.3521	0.1539	14.5648	0.1011	14.6659	3.8633	0.0931	3.9564		15,305.4585	15,305.4585	0.5229		15,318.5298
Total	**8.5534**	**5.3296**	**67.3521**	**0.1539**	**14.5648**	**0.1011**	**14.6659**	**3.8633**	**0.0931**	**3.9564**		**15,305.4585**	**15,305.4585**	**0.5229**		**15,318.5298**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**587.4962**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.5534	5.3296	67.3521	0.1539	14.5648	0.1011	14.6659	3.8633	0.0931	3.9564		15,305.4585	15,305.4585	0.5229		15,318.5298
Total	**8.5534**	**5.3296**	**67.3521**	**0.1539**	**14.5648**	**0.1011**	**14.6659**	**3.8633**	**0.0931**	**3.9564**		**15,305.4585**	**15,305.4585**	**0.5229**		**15,318.5298**

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**587.4719**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.8689	4.7318	60.7390	0.1490	14.5648	0.0985	14.6633	3.8633	0.0907	3.9540		14,829.0515	14,829.0515	0.4611		14,840.5781
Total	**7.8689**	**4.7318**	**60.7390**	**0.1490**	**14.5648**	**0.0985**	**14.6633**	**3.8633**	**0.0907**	**3.9540**		**14,829.0515**	**14,829.0515**	**0.4611**		**14,840.5781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**587.4719**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.8689	4.7318	60.7390	0.1490	14.5648	0.0985	14.6633	3.8633	0.0907	3.9540		14,829.0515	14,829.0515	0.4611		14,840.5781
Total	**7.8689**	**4.7318**	**60.7390**	**0.1490**	**14.5648**	**0.0985**	**14.6633**	**3.8633**	**0.0907**	**3.9540**		**14,829.0515**	**14,829.0515**	**0.4611**		**14,840.5781**

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**587.4486**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.3182	4.2399	55.8666	0.1442	14.5648	0.0962	14.6609	3.8633	0.0886	3.9518		14,356.7780	14,356.7780	0.4159		14,367.1763
Total	**7.3182**	**4.2399**	**55.8666**	**0.1442**	**14.5648**	**0.0962**	**14.6609**	**3.8633**	**0.0886**	**3.9518**		**14,356.7780**	**14,356.7780**	**0.4159**		**14,367.1763**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**587.4486**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.3182	4.2399	55.8666	0.1442	14.5648	0.0962	14.6609	3.8633	0.0886	3.9518		14,356.7780	14,356.7780	0.4159		14,367.1763
Total	**7.3182**	**4.2399**	**55.8666**	**0.1442**	**14.5648**	**0.0962**	**14.6609**	**3.8633**	**0.0886**	**3.9518**		**14,356.7780**	**14,356.7780**	**0.4159**		**14,367.1763**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**		**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	17.1274	480.9857	110.8743	1.0355	24.3627	4.0993	28.4621	7.0145	3.9217	10.9362		109,014.3508	109,014.3508	7.6195		109,204.8391
Worker	52.6579	34.8279	433.7798	0.8205	72.8321	0.5423	73.3744	19.3185	0.5003	19.8187		81,482.4964	81,482.4964	3.3909		81,567.2698
Total	**69.7853**	**515.8136**	**544.6542**	**1.8560**	**97.1948**	**4.6416**	**101.8364**	**26.3330**	**4.4219**	**30.7549**		**190,496.8472**	**190,496.8472**	**11.0105**		**190,772.1088**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**	**0.0000**	**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	17.1274	480.9857	110.8743	1.0355	24.3627	4.0993	28.4621	7.0145	3.9217	10.9362		109,014.3508	109,014.3508	7.6195		109,204.8391
Worker	52.6579	34.8279	433.7798	0.8205	72.8321	0.5423	73.3744	19.3185	0.5003	19.8187		81,482.4964	81,482.4964	3.3909		81,567.2698
Total	**69.7853**	**515.8136**	**544.6542**	**1.8560**	**97.1948**	**4.6416**	**101.8364**	**26.3330**	**4.4219**	**30.7549**		**190,496.8472**	**190,496.8472**	**11.0105**		**190,772.1088**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	14.9259	450.7457	96.9345	1.0332	24.3623	3.2283	27.5906	7.0143	3.0883	10.1026		108,842.1062	108,842.1062	7.2480		109,023.3064
Worker	47.0647	30.3226	379.8850	0.7970	72.8321	0.5221	73.3542	19.3185	0.4812	19.7997		79,223.6465	79,223.6465	2.9750		79,298.0208
Total	**61.9906**	**481.0683**	**476.8195**	**1.8303**	**97.1944**	**3.7504**	**100.9448**	**26.3328**	**3.5696**	**29.9023**		**188,065.7527**	**188,065.7527**	**10.2230**		**188,321.3272**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	14.9259	450.7457	96.9345	1.0332	24.3623	3.2283	27.5906	7.0143	3.0883	10.1026		108,842.1062	108,842.1062	7.2480		109,023.3064
Worker	47.0647	30.3226	379.8850	0.7970	72.8321	0.5221	73.3542	19.3185	0.4812	19.7997		79,223.6465	79,223.6465	2.9750		79,298.0208
Total	**61.9906**	**481.0683**	**476.8195**	**1.8303**	**97.1944**	**3.7504**	**100.9448**	**26.3328**	**3.5696**	**29.9023**		**188,065.7527**	**188,065.7527**	**10.2230**		**188,321.3272**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.2753	422.9048	86.2175	1.0223	24.3618	2.7315	27.0933	7.0141	2.6130	9.6272		107,754.5194	107,754.5194	7.0763		107,931.4272
Worker	42.7716	26.6508	336.7986	0.7695	72.8321	0.5056	73.3376	19.3185	0.4657	19.7841		76,535.9249	76,535.9249	2.6146		76,601.2889
Total	**56.0469**	**449.5556**	**423.0161**	**1.7918**	**97.1939**	**3.2370**	**100.4309**	**26.3326**	**3.0787**	**29.4113**		**184,290.4443**	**184,290.4443**	**9.6909**		**184,532.7161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.2753	422.9048	86.2175	1.0223	24.3618	2.7315	27.0933	7.0141	2.6130	9.6272		107,754.5194	107,754.5194	7.0763		107,931.4272
Worker	42.7716	26.6508	336.7986	0.7695	72.8321	0.5056	73.3376	19.3185	0.4657	19.7841		76,535.9249	76,535.9249	2.6146		76,601.2889
Total	**56.0469**	**449.5556**	**423.0161**	**1.7918**	**97.1939**	**3.2370**	**100.4309**	**26.3326**	**3.0787**	**29.4113**		**184,290.4443**	**184,290.4443**	**9.6909**		**184,532.7161**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.2149	386.7790	75.6599	1.0149	24.3614	1.8419	26.2033	7.0140	1.7620	8.7759		107,020.2496	107,020.2496	6.7504		107,189.0086
Worker	39.3490	23.6614	303.7292	0.7451	72.8321	0.4927	73.3248	19.3185	0.4537	19.7722		74,153.6215	74,153.6215	2.3056		74,211.2608
Total	**50.5639**	**410.4404**	**379.3891**	**1.7600**	**97.1935**	**2.3346**	**99.5281**	**26.3324**	**2.2157**	**28.5481**		**181,173.8712**	**181,173.8712**	**9.0559**		**181,400.2693**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.2149	386.7790	75.6599	1.0149	24.3614	1.8419	26.2033	7.0140	1.7620	8.7759		107,020.2496	107,020.2496	6.7504		107,189.0086
Worker	39.3490	23.6614	303.7292	0.7451	72.8321	0.4927	73.3248	19.3185	0.4537	19.7722		74,153.6215	74,153.6215	2.3056		74,211.2608
Total	**50.5639**	**410.4404**	**379.3891**	**1.7600**	**97.1935**	**2.3346**	**99.5281**	**26.3324**	**2.2157**	**28.5481**		**181,173.8712**	**181,173.8712**	**9.0559**		**181,400.2693**

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.5361	352.6742	66.6802	1.0092	24.3610	0.6256	24.9866	7.0138	0.5983	7.6121		106,460.2512	106,460.2512	6.5313		106,623.5344
Worker	36.5953	21.2017	279.3646	0.7211	72.8321	0.4809	73.3130	19.3185	0.4428	19.7613		71,791.9876	71,791.9876	2.0799		71,843.9850
Total	**46.1314**	**373.8759**	**346.0448**	**1.7303**	**97.1931**	**1.1065**	**98.2996**	**26.3323**	**1.0411**	**27.3734**		**178,252.2388**	**178,252.2388**	**8.6112**		**178,467.5194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	9.5361	352.6742	66.6802	1.0092	24.3610	0.6256	24.9866	7.0138	0.5983	7.6121		106,460.2512	106,460.2512	6.5313		106,623.5344
Worker	36.5953	21.2017	279.3646	0.7211	72.8321	0.4809	73.3130	19.3185	0.4428	19.7613		71,791.9876	71,791.9876	2.0799		71,843.9850
Total	**46.1314**	**373.8759**	**346.0448**	**1.7303**	**97.1931**	**1.1065**	**98.2996**	**26.3323**	**1.0411**	**27.3734**		**178,252.2388**	**178,252.2388**	**8.6112**		**178,467.5194**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

3.4 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

3.4 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

3.4 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

3.4 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**		**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4879**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1188	0.0786	0.9785	1.8500e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		183.8089	183.8089	7.6500e-003		184.0002
Total	**0.1188**	**0.0786**	**0.9785**	**1.8500e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**183.8089**	**183.8089**	**7.6500e-003**		**184.0002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**	**0.0000**	**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4878**

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1188	0.0786	0.9785	1.8500e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		183.8089	183.8089	7.6500e-003		184.0002
Total	**0.1188**	**0.0786**	**0.9785**	**1.8500e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**183.8089**	**183.8089**	**7.6500e-003**		**184.0002**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1062	0.0684	0.8570	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		178.7134	178.7134	6.7100e-003		178.8812
Total	**0.1062**	**0.0684**	**0.8570**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**178.7134**	**178.7134**	**6.7100e-003**		**178.8812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1062	0.0684	0.8570	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		178.7134	178.7134	6.7100e-003		178.8812
Total	**0.1062**	**0.0684**	**0.8570**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**178.7134**	**178.7134**	**6.7100e-003**		**178.8812**

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**		**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0965	0.0601	0.7598	1.7400e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		172.6504	172.6504	5.9000e-003		172.7979
Total	**0.0965**	**0.0601**	**0.7598**	**1.7400e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**172.6504**	**172.6504**	**5.9000e-003**		**172.7979**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**	**0.0000**	**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0965	0.0601	0.7598	1.7400e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		172.6504	172.6504	5.9000e-003		172.7979
Total	**0.0965**	**0.0601**	**0.7598**	**1.7400e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**172.6504**	**172.6504**	**5.9000e-003**		**172.7979**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0534	0.6852	1.6800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		167.2764	167.2764	5.2000e-003		167.4064
Total	**0.0888**	**0.0534**	**0.6852**	**1.6800e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**167.2764**	**167.2764**	**5.2000e-003**		**167.4064**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0534	0.6852	1.6800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		167.2764	167.2764	5.2000e-003		167.4064
Total	**0.0888**	**0.0534**	**0.6852**	**1.6800e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**167.2764**	**167.2764**	**5.2000e-003**		**167.4064**

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0826	0.0478	0.6302	1.6300e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		161.9490	161.9490	4.6900e-003		162.0663
Total	**0.0826**	**0.0478**	**0.6302**	**1.6300e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**161.9490**	**161.9490**	**4.6900e-003**		**162.0663**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0826	0.0478	0.6302	1.6300e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		161.9490	161.9490	4.6900e-003		162.0663
Total	**0.0826**	**0.0478**	**0.6302**	**1.6300e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**161.9490**	**161.9490**	**4.6900e-003**		**162.0663**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665		2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2011**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**		**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665	0.0000	2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2011**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**	**0.0000**	**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8999**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8999**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7107**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7107**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6128**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6128**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5118**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5118**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**		**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0707	0.8807	1.6700e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		165.4280	165.4280	6.8800e-003		165.6001
Total	**0.1069**	**0.0707**	**0.8807**	**1.6700e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**165.4280**	**165.4280**	**6.8800e-003**		**165.6001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**	**0.0000**	**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0707	0.8807	1.6700e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		165.4280	165.4280	6.8800e-003		165.6001
Total	**0.1069**	**0.0707**	**0.8807**	**1.6700e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**165.4280**	**165.4280**	**6.8800e-003**		**165.6001**

3.7 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0956	0.0616	0.7713	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		160.8421	160.8421	6.0400e-003		160.9931
Total	**0.0956**	**0.0616**	**0.7713**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**160.8421**	**160.8421**	**6.0400e-003**		**160.9931**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0956	0.0616	0.7713	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		160.8421	160.8421	6.0400e-003		160.9931
Total	**0.0956**	**0.0616**	**0.7713**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**160.8421**	**160.8421**	**6.0400e-003**		**160.9931**

3.7 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0541	0.6838	1.5600e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		155.3854	155.3854	5.3100e-003		155.5181
Total	**0.0868**	**0.0541**	**0.6838**	**1.5600e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**155.3854**	**155.3854**	**5.3100e-003**		**155.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0541	0.6838	1.5600e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		155.3854	155.3854	5.3100e-003		155.5181
Total	**0.0868**	**0.0541**	**0.6838**	**1.5600e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**155.3854**	**155.3854**	**5.3100e-003**		**155.5181**

3.7 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0480	0.6166	1.5100e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		150.5488	150.5488	4.6800e-003		150.6658
Total	**0.0799**	**0.0480**	**0.6166**	**1.5100e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**150.5488**	**150.5488**	**4.6800e-003**		**150.6658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0480	0.6166	1.5100e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		150.5488	150.5488	4.6800e-003		150.6658
Total	**0.0799**	**0.0480**	**0.6166**	**1.5100e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**150.5488**	**150.5488**	**4.6800e-003**		**150.6658**

3.7 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0430	0.5672	1.4600e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		145.7541	145.7541	4.2200e-003		145.8597
Total	**0.0743**	**0.0430**	**0.5672**	**1.4600e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**145.7541**	**145.7541**	**4.2200e-003**		**145.8597**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0430	0.5672	1.4600e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		145.7541	145.7541	4.2200e-003		145.8597
Total	**0.0743**	**0.0430**	**0.5672**	**1.4600e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**145.7541**	**145.7541**	**4.2200e-003**		**145.8597**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	724.8482	4,281.4162	10,256.7289	46.1900	3,854.2934	26.4543	3,880.7477	1,031.1161	24.6409	1,055.7570		4,719,305.7530	4,719,305.7530	184.9886		4,723,930.4677
Unmitigated	724.8482	4,281.4162	10,256.7289	46.1900	3,854.2934	26.4543	3,880.7477	1,031.1161	24.6409	1,055.7570		4,719,305.7530	4,719,305.7530	184.9886		4,723,930.4677

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	17,090.19	4,316.41	1842.37	31,274,953	31,274,953
Industrial Park	38,600.06	19,377.85	5681.06	949,670,518	949,670,518
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	203,122.56	268,875.08	135809.63	355,744,921	355,744,921
Single Family Housing	41,258.64	41,978.76	36514.32	115,546,745	115,546,745
Total	300,071.45	334,548.10	179,847.37	1,452,237,136	1,452,237,136

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Other Asphalt Surfaces	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162
NaturalGas Unmitigated	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	16777.2	0.1809	1.6448	1.3817	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.7921	1,973.7921	0.0378	0.0362	1,985.5214
Industrial Park	74411.3	0.8025	7.2952	6.1280	0.0438		0.5544	0.5544		0.5544	0.5544		8,754.2755	8,754.2755	0.1678	0.1605	8,806.2978
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	32874.1	0.3545	3.2230	2.7073	0.0193		0.2449	0.2449		0.2449	0.2449		3,867.5359	3,867.5359	0.0741	0.0709	3,890.5187
Single Family Housing	430870	4.6466	39.7076	16.8969	0.2535		3.2104	3.2104		3.2104	3.2104		50,690.5497	50,690.5497	0.9716	0.9293	50,991.7783
Total		**5.9846**	**51.8706**	**27.1138**	**0.3264**		**4.1348**	**4.1348**		**4.1348**	**4.1348**		**65,286.1532**	**65,286.1532**	**1.2513**	**1.1969**	**65,674.1162**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	16.7772	0.1809	1.6448	1.3817	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.7921	1,973.7921	0.0378	0.0362	1,985.5214
Industrial Park	74.4113	0.8025	7.2952	6.1280	0.0438		0.5544	0.5544		0.5544	0.5544		8,754.2755	8,754.2755	0.1678	0.1605	8,806.2978
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	32.8741	0.3545	3.2230	2.7073	0.0193		0.2449	0.2449		0.2449	0.2449		3,867.5359	3,867.5359	0.0741	0.0709	3,890.5187
Single Family Housing	430.87	4.6466	39.7076	16.8969	0.2535		3.2104	3.2104		3.2104	3.2104		50,690.5497	50,690.5497	0.9716	0.9293	50,991.7783
Total		**5.9846**	**51.8706**	**27.1138**	**0.3264**		**4.1348**	**4.1348**		**4.1348**	**4.1348**		**65,286.1532**	**65,286.1532**	**1.2513**	**1.1969**	**65,674.1162**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044
Unmitigated	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	160.8849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	483.9173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,482.7531	126.6007	8,002.2545	14.4978		1,121.9924	1,121.9924		1,121.9924	1,121.9924	117,641.0514	49,336.9412	166,977.9926	108.5632	9.2534	172,449.5720
Landscaping	10.6237	4.0356	350.6733	0.0186		1.9427	1.9427		1.9427	1.9427		632.5537	632.5537	0.6111		647.8323
Total	**7,138.1789**	**130.6363**	**8,352.9279**	**14.5164**		**1,123.9351**	**1,123.9351**		**1,123.9351**	**1,123.9351**	**117,641.0514**	**49,969.4949**	**167,610.5463**	**109.1743**	**9.2534**	**173,097.4044**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	160.8849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	483.9173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,482.7531	126.6007	8,002.2545	14.4978		1,121.9924	1,121.9924		1,121.9924	1,121.9924	117,641.0514	49,336.9412	166,977.9926	108.5632	9.2534	172,449.5720
Landscaping	10.6237	4.0356	350.6733	0.0186		1.9427	1.9427		1.9427	1.9427		632.5537	632.5537	0.6111		647.8323
Total	**7,138.1789**	**130.6363**	**8,352.9279**	**14.5164**		**1,123.9351**	**1,123.9351**		**1,123.9351**	**1,123.9351**	**117,641.0514**	**49,969.4949**	**167,610.5463**	**109.1743**	**9.2534**	**173,097.4044**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

2008 Annexation Re-Run

San Bernardino-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	4,236.00	Dwelling Unit	1,091.60	7,624,800.00	12115
General Office Building	1,754.64	1000sqft	183.10	1,754,639.00	0
Regional Shopping Center	5,380.73	1000sqft	590.00	5,380,731.00	0
Industrial Park	7,782.27	1000sqft	812.10	7,782,275.00	0
Other Asphalt Surfaces	97.80	Acre	97.80	4,260,168.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Original 2008 Annexation land use breakdown, including street ROW.

Construction Phase - GP Buildout is 2025.

Off-road Equipment -

Vehicle Trips - Same trip rates used for 2017 annexation for comparison.

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblConstructionPhase	PhaseEndDate	10/31/2017	8/31/2021
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	1,754,640.00	1,754,639.00
tblLandUse	BuildingSpaceSquareFeet	5,380,730.00	5,380,731.00
tblLandUse	BuildingSpaceSquareFeet	7,782,270.00	7,782,275.00
tblLandUse	LandUseSquareFeet	1,754,640.00	1,754,639.00
tblLandUse	LandUseSquareFeet	5,380,730.00	5,380,731.00
tblLandUse	LandUseSquareFeet	7,782,270.00	7,782,275.00
tblLandUse	LotAcreage	1,375.32	1,091.60
tblLandUse	LotAcreage	40.28	183.10
tblLandUse	LotAcreage	123.52	590.00
tblLandUse	LotAcreage	178.66	812.10
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00

tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	687.6122	737.1576	684.4815	2.0794	177.5010	16.0678	193.5687	48.0225	15.0087	63.0312	0.0000	212,891.8236	212,891.8236	17.5796	0.0000	213,331.3121
2018	676.5317	676.8699	608.2129	2.0506	177.5005	13.6537	191.1542	48.0223	12.7456	60.7679	0.0000	209,876.3978	209,876.3978	16.7384	0.0000	210,294.8568
2019	668.5044	628.8654	549.9252	2.0098	177.5001	12.1874	189.6874	48.0222	11.3691	59.3913	0.0000	205,579.7750	205,579.7750	16.1578	0.0000	205,983.7188
2020	661.3237	574.8655	501.9319	1.9760	177.4996	10.4698	187.9694	48.0220	9.7483	57.7703	0.0000	201,886.9450	201,886.9450	15.4695	0.0000	202,273.6808
2021	655.4829	526.4085	465.1743	1.9446	177.4992	8.5345	186.0337	48.0218	7.9163	55.9381	0.0000	198,789.4405	198,789.4405	14.9925	0.0000	199,164.2533
Maximum	**687.6122**	**737.1576**	**684.4815**	**2.0794**	**177.5010**	**16.0678**	**193.5687**	**48.0225**	**15.0087**	**63.0312**	**0.0000**	**212,891.8236**	**212,891.8236**	**17.5796**	**0.0000**	**213,331.3121**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	687.6122	737.1576	684.4815	2.0794	177.5010	16.0678	193.5687	48.0225	15.0087	63.0312	0.0000	212,891.8236	212,891.8236	17.5796	0.0000	213,331.3121
2018	676.5317	676.8699	608.2129	2.0506	177.5005	13.6537	191.1542	48.0223	12.7456	60.7679	0.0000	209,876.3978	209,876.3978	16.7384	0.0000	210,294.8568
2019	668.5044	628.8654	549.9252	2.0098	177.5001	12.1874	189.6874	48.0222	11.3691	59.3913	0.0000	205,579.7750	205,579.7750	16.1578	0.0000	205,983.7188
2020	661.3237	574.8655	501.9319	1.9760	177.4996	10.4698	187.9694	48.0220	9.7483	57.7703	0.0000	201,886.9450	201,886.9450	15.4695	0.0000	202,273.6808
2021	655.4829	526.4085	465.1743	1.9446	177.4992	8.5345	186.0337	48.0218	7.9163	55.9381	0.0000	198,789.4405	198,789.4405	14.9925	0.0000	199,164.2533
Maximum	**687.6122**	**737.1576**	**684.4815**	**2.0794**	**177.5010**	**16.0678**	**193.5687**	**48.0225**	**15.0087**	**63.0312**	**0.0000**	**212,891.8236**	**212,891.8236**	**17.5796**	**0.0000**	**213,331.3121**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044
Energy	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162
Mobile	636.9453	4,305.3678	8,781.4132	42.7232	3,854.2934	26.5523	3,880.8457	1,031.1161	24.7347	1,055.8508		4,371,454.1805	4,371,454.1805	185.5325		4,376,092.4929
Total	**7,781.1088**	**4,487.8746**	**17,161.4549**	**57.5660**	**3,854.2934**	**1,154.6222**	**5,008.9156**	**1,031.1161**	**1,152.8046**	**2,183.9207**	**117,641.0514**	**4,486,709.8286**	**4,604,350.8800**	**295.9581**	**10.4503**	**4,614,864.0134**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044
Energy	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162
Mobile	636.9453	4,305.3678	8,781.4132	42.7232	3,854.2934	26.5523	3,880.8457	1,031.1161	24.7347	1,055.8508		4,371,454.1805	4,371,454.1805	185.5325		4,376,092.4929
Total	**7,781.1088**	**4,487.8746**	**17,161.4549**	**57.5660**	**3,854.2934**	**1,154.6222**	**5,008.9156**	**1,031.1161**	**1,152.8046**	**2,183.9207**	**117,641.0514**	**4,486,709.8286**	**4,604,350.8800**	**295.9581**	**10.4503**	**4,614,864.0134**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	11/1/2017	8/31/2021	5	1000	
2	Building Construction	Building Construction	11/1/2017	8/31/2021	5	1000	
3	Demolition	Demolition	11/1/2017	8/31/2021	5	1000	
4	Grading	Grading	11/1/2017	8/31/2021	5	1000	
5	Paving	Paving	11/1/2017	8/31/2021	5	1000	
6	Site Preparation	Site Preparation	11/1/2017	8/31/2021	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 97.8

Residential Indoor: 15,440,220; Residential Outdoor: 5,146,740; Non-Residential Indoor: 22,376,468; Non-Residential Outdoor: 7,458,823; Striped Parking Area: 255,610 (Architectural Coating – sqft)

OffRoad Equipment

2008 Annexation Re-Run - San Bernardino-Mojave Desert County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	1,773.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	8,866.00	3,596.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**587.5620**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	10.2789	7.3485	72.8343	0.1473	14.5648	0.1084	14.6732	3.8633	0.1000	3.9633		14,629.9518	14,629.9518	0.6034		14,645.0366
Total	**10.2789**	**7.3485**	**72.8343**	**0.1473**	**14.5648**	**0.1084**	**14.6732**	**3.8633**	**0.1000**	**3.9633**		**14,629.9518**	**14,629.9518**	**0.6034**		**14,645.0366**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**587.5620**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	10.2789	7.3485	72.8343	0.1473	14.5648	0.1084	14.6732	3.8633	0.1000	3.9633		14,629.9518	14,629.9518	0.6034		14,645.0366
Total	**10.2789**	**7.3485**	**72.8343**	**0.1473**	**14.5648**	**0.1084**	**14.6732**	**3.8633**	**0.1000**	**3.9633**		**14,629.9518**	**14,629.9518**	**0.6034**		**14,645.0366**

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**587.5283**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.1810	6.3901	63.6065	0.1430	14.5648	0.1044	14.6692	3.8633	0.0962	3.9595		14,221.1668	14,221.1668	0.5275		14,234.3553
Total	**9.1810**	**6.3901**	**63.6065**	**0.1430**	**14.5648**	**0.1044**	**14.6692**	**3.8633**	**0.0962**	**3.9595**		**14,221.1668**	**14,221.1668**	**0.5275**		**14,234.3553**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**587.5283**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.1810	6.3901	63.6065	0.1430	14.5648	0.1044	14.6692	3.8633	0.0962	3.9595		14,221.1668	14,221.1668	0.5275		14,234.3553
Total	**9.1810**	**6.3901**	**63.6065**	**0.1430**	**14.5648**	**0.1044**	**14.6692**	**3.8633**	**0.0962**	**3.9595**		**14,221.1668**	**14,221.1668**	**0.5275**		**14,234.3553**

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**587.4962**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.3503	5.6127	56.2912	0.1381	14.5648	0.1011	14.6659	3.8633	0.0931	3.9564		13,738.0483	13,738.0483	0.4627		13,749.6160
Total	**8.3503**	**5.6127**	**56.2912**	**0.1381**	**14.5648**	**0.1011**	**14.6659**	**3.8633**	**0.0931**	**3.9564**		**13,738.0483**	**13,738.0483**	**0.4627**		**13,749.6160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**587.4962**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	8.3503	5.6127	56.2912	0.1381	14.5648	0.1011	14.6659	3.8633	0.0931	3.9564		13,738.0483	13,738.0483	0.4627		13,749.6160
Total	**8.3503**	**5.6127**	**56.2912**	**0.1381**	**14.5648**	**0.1011**	**14.6659**	**3.8633**	**0.0931**	**3.9564**		**13,738.0483**	**13,738.0483**	**0.4627**		**13,749.6160**

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**587.4719**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.6946	4.9799	50.6662	0.1337	14.5648	0.0985	14.6633	3.8633	0.0907	3.9540		13,309.9689	13,309.9689	0.4078		13,320.1631
Total	**7.6946**	**4.9799**	**50.6662**	**0.1337**	**14.5648**	**0.0985**	**14.6633**	**3.8633**	**0.0907**	**3.9540**		**13,309.9689**	**13,309.9689**	**0.4078**		**13,320.1631**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**587.4719**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.6946	4.9799	50.6662	0.1337	14.5648	0.0985	14.6633	3.8633	0.0907	3.9540		13,309.9689	13,309.9689	0.4078		13,320.1631
Total	**7.6946**	**4.9799**	**50.6662**	**0.1337**	**14.5648**	**0.0985**	**14.6633**	**3.8633**	**0.0907**	**3.9540**		**13,309.9689**	**13,309.9689**	**0.4078**		**13,320.1631**

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**587.4486**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.1659	4.4605	46.4962	0.1294	14.5648	0.0962	14.6609	3.8633	0.0886	3.9518		12,886.6819	12,886.6819	0.3679		12,895.8781
Total	**7.1659**	**4.4605**	**46.4962**	**0.1294**	**14.5648**	**0.0962**	**14.6609**	**3.8633**	**0.0886**	**3.9518**		**12,886.6819**	**12,886.6819**	**0.3679**		**12,895.8781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	587.2297					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**587.4486**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.1659	4.4605	46.4962	0.1294	14.5648	0.0962	14.6609	3.8633	0.0886	3.9518		12,886.6819	12,886.6819	0.3679		12,895.8781
Total	**7.1659**	**4.4605**	**46.4962**	**0.1294**	**14.5648**	**0.0962**	**14.6609**	**3.8633**	**0.0886**	**3.9518**		**12,886.6819**	**12,886.6819**	**0.3679**		**12,895.8781**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**		**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	17.8487	480.3604	124.3085	0.9986	24.3627	4.1477	28.5105	7.0145	3.9680	10.9825		105,115.5641	105,115.5641	8.3284		105,323.7731
Worker	51.4001	36.7469	364.2126	0.7363	72.8321	0.5423	73.3744	19.3185	0.5003	19.8187		73,158.0105	73,158.0105	3.0173		73,233.4428
Total	**69.2488**	**517.1073**	**488.5211**	**1.7349**	**97.1948**	**4.6900**	**101.8848**	**26.3330**	**4.4682**	**30.8012**		**178,273.5746**	**178,273.5746**	**11.3457**		**178,557.2159**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**	**0.0000**	**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	17.8487	480.3604	124.3085	0.9986	24.3627	4.1477	28.5105	7.0145	3.9680	10.9825		105,115.5641	105,115.5641	8.3284		105,323.7731
Worker	51.4001	36.7469	364.2126	0.7363	72.8321	0.5423	73.3744	19.3185	0.5003	19.8187		73,158.0105	73,158.0105	3.0173		73,233.4428
Total	**69.2488**	**517.1073**	**488.5211**	**1.7349**	**97.1948**	**4.6900**	**101.8848**	**26.3330**	**4.4682**	**30.8012**		**178,273.5746**	**178,273.5746**	**11.3457**		**178,557.2159**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	15.6088	449.3211	109.9978	0.9955	24.3623	3.2674	27.6296	7.0143	3.1257	10.1400		104,851.6595	104,851.6595	7.9660		105,050.8096
Worker	45.9102	31.9540	318.0684	0.7151	72.8321	0.5221	73.3542	19.3185	0.4812	19.7997		71,113.8550	71,113.8550	2.6380		71,179.8050
Total	**61.5190**	**481.2751**	**428.0661**	**1.7106**	**97.1944**	**3.7895**	**100.9839**	**26.3328**	**3.6069**	**29.9397**		**175,965.5144**	**175,965.5144**	**10.6040**		**176,230.6146**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	15.6088	449.3211	109.9978	0.9955	24.3623	3.2674	27.6296	7.0143	3.1257	10.1400		104,851.6595	104,851.6595	7.9660		105,050.8096
Worker	45.9102	31.9540	318.0684	0.7151	72.8321	0.5221	73.3542	19.3185	0.4812	19.7997		71,113.8550	71,113.8550	2.6380		71,179.8050
Total	**61.5190**	**481.2751**	**428.0661**	**1.7106**	**97.1944**	**3.7895**	**100.9839**	**26.3328**	**3.6069**	**29.9397**		**175,965.5144**	**175,965.5144**	**10.6040**		**176,230.6146**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.9224	420.9369	98.8176	0.9846	24.3618	2.7657	27.1275	7.0141	2.6458	9.6599		103,763.4382	103,763.4382	7.7982		103,958.3924
Worker	41.7562	28.0665	281.4877	0.6904	72.8321	0.5056	73.3376	19.3185	0.4657	19.7841		68,697.9897	68,697.9897	2.3138		68,755.8348
Total	**55.6786**	**449.0034**	**380.3053**	**1.6750**	**97.1939**	**3.2713**	**100.4652**	**26.3326**	**3.1115**	**29.4441**		**172,461.4280**	**172,461.4280**	**10.1120**		**172,714.2272**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	13.9224	420.9369	98.8176	0.9846	24.3618	2.7657	27.1275	7.0141	2.6458	9.6599		103,763.4382	103,763.4382	7.7982		103,958.3924
Worker	41.7562	28.0665	281.4877	0.6904	72.8321	0.5056	73.3376	19.3185	0.4657	19.7841		68,697.9897	68,697.9897	2.3138		68,755.8348
Total	**55.6786**	**449.0034**	**380.3053**	**1.6750**	**97.1939**	**3.2713**	**100.4652**	**26.3326**	**3.1115**	**29.4441**		**172,461.4280**	**172,461.4280**	**10.1120**		**172,714.2272**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.8136	384.0408	87.4056	0.9772	24.3614	1.8640	26.2254	7.0140	1.7831	8.7971		103,028.2304	103,028.2304	7.4561		103,214.6323
Worker	38.4773	24.9025	253.3597	0.6685	72.8321	0.4927	73.3248	19.3185	0.4537	19.7722		66,557.3513	66,557.3513	2.0391		66,608.3281
Total	**50.2908**	**408.9433**	**340.7654**	**1.6457**	**97.1935**	**2.3567**	**99.5502**	**26.3324**	**2.2368**	**28.5692**		**169,585.5817**	**169,585.5817**	**9.4952**		**169,822.9604**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	11.8136	384.0408	87.4056	0.9772	24.3614	1.8640	26.2254	7.0140	1.7831	8.7971		103,028.2304	103,028.2304	7.4561		103,214.6323
Worker	38.4773	24.9025	253.3597	0.6685	72.8321	0.4927	73.3248	19.3185	0.4537	19.7722		66,557.3513	66,557.3513	2.0391		66,608.3281
Total	**50.2908**	**408.9433**	**340.7654**	**1.6457**	**97.1935**	**2.3567**	**99.5502**	**26.3324**	**2.2368**	**28.5692**		**169,585.5817**	**169,585.5817**	**9.4952**		**169,822.9604**

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.1030	349.2566	77.7438	0.9717	24.3610	0.6422	25.0032	7.0138	0.6142	7.6280		102,485.1690	102,485.1690	7.2322		102,665.9740
Worker	35.8335	22.3048	232.5073	0.6470	72.8321	0.4809	73.3130	19.3185	0.4428	19.7613		64,440.6777	64,440.6777	1.8395		64,486.6641
Total	**45.9364**	**371.5614**	**310.2511**	**1.6187**	**97.1931**	**1.1231**	**98.3162**	**26.3323**	**1.0570**	**27.3892**		**166,925.8467**	**166,925.8467**	**9.0717**		**167,152.6381**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	10.1030	349.2566	77.7438	0.9717	24.3610	0.6422	25.0032	7.0138	0.6142	7.6280		102,485.1690	102,485.1690	7.2322		102,665.9740
Worker	35.8335	22.3048	232.5073	0.6470	72.8321	0.4809	73.3130	19.3185	0.4428	19.7613		64,440.6777	64,440.6777	1.8395		64,486.6641
Total	**45.9364**	**371.5614**	**310.2511**	**1.6187**	**97.1931**	**1.1231**	**98.3162**	**26.3323**	**1.0570**	**27.3892**		**166,925.8467**	**166,925.8467**	**9.0717**		**167,152.6381**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

3.4 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

3.4 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

3.4 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

3.4 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**		**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4879**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1160	0.0829	0.8216	1.6600e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		165.0305	165.0305	6.8100e-003		165.2006
Total	**0.1160**	**0.0829**	**0.8216**	**1.6600e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**165.0305**	**165.0305**	**6.8100e-003**		**165.2006**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**	**0.0000**	**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4878**

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1160	0.0829	0.8216	1.6600e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		165.0305	165.0305	6.8100e-003		165.2006
Total	**0.1160**	**0.0829**	**0.8216**	**1.6600e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**165.0305**	**165.0305**	**6.8100e-003**		**165.2006**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1036	0.0721	0.7175	1.6100e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		160.4193	160.4193	5.9500e-003		160.5680
Total	**0.1036**	**0.0721**	**0.7175**	**1.6100e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**160.4193**	**160.4193**	**5.9500e-003**		**160.5680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1036	0.0721	0.7175	1.6100e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		160.4193	160.4193	5.9500e-003		160.5680
Total	**0.1036**	**0.0721**	**0.7175**	**1.6100e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**160.4193**	**160.4193**	**5.9500e-003**		**160.5680**

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**		**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0633	0.6350	1.5600e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		154.9695	154.9695	5.2200e-003		155.1000
Total	**0.0942**	**0.0633**	**0.6350**	**1.5600e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**154.9695**	**154.9695**	**5.2200e-003**		**155.1000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**	**0.0000**	**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0633	0.6350	1.5600e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		154.9695	154.9695	5.2200e-003		155.1000
Total	**0.0942**	**0.0633**	**0.6350**	**1.5600e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**154.9695**	**154.9695**	**5.2200e-003**		**155.1000**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0562	0.5715	1.5100e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		150.1407	150.1407	4.6000e-003		150.2557
Total	**0.0868**	**0.0562**	**0.5715**	**1.5100e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**150.1407**	**150.1407**	**4.6000e-003**		**150.2557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0562	0.5715	1.5100e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		150.1407	150.1407	4.6000e-003		150.2557
Total	**0.0868**	**0.0562**	**0.5715**	**1.5100e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**150.1407**	**150.1407**	**4.6000e-003**		**150.2557**

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0808	0.0503	0.5245	1.4600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		145.3658	145.3658	4.1500e-003		145.4696
Total	**0.0808**	**0.0503**	**0.5245**	**1.4600e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**145.3658**	**145.3658**	**4.1500e-003**		**145.4696**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0808	0.0503	0.5245	1.4600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		145.3658	145.3658	4.1500e-003		145.4696
Total	**0.0808**	**0.0503**	**0.5245**	**1.4600e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**145.3658**	**145.3658**	**4.1500e-003**		**145.4696**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665		2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2011**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**		**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665	0.0000	2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2011**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**	**0.0000**	**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8999**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8999**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7107**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7107**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6128**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6128**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5118**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5118**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**		**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1044	0.0746	0.7394	1.4900e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		148.5274	148.5274	6.1300e-003		148.6806
Total	**0.1044**	**0.0746**	**0.7394**	**1.4900e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**148.5274**	**148.5274**	**6.1300e-003**		**148.6806**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**	**0.0000**	**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1044	0.0746	0.7394	1.4900e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		148.5274	148.5274	6.1300e-003		148.6806
Total	**0.1044**	**0.0746**	**0.7394**	**1.4900e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**148.5274**	**148.5274**	**6.1300e-003**		**148.6806**

3.7 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.0649	0.6458	1.4500e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		144.3773	144.3773	5.3600e-003		144.5112
Total	**0.0932**	**0.0649**	**0.6458**	**1.4500e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**144.3773**	**144.3773**	**5.3600e-003**		**144.5112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.0649	0.6458	1.4500e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		144.3773	144.3773	5.3600e-003		144.5112
Total	**0.0932**	**0.0649**	**0.6458**	**1.4500e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**144.3773**	**144.3773**	**5.3600e-003**		**144.5112**

3.7 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0848	0.0570	0.5715	1.4000e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		139.4726	139.4726	4.7000e-003		139.5900
Total	**0.0848**	**0.0570**	**0.5715**	**1.4000e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**139.4726**	**139.4726**	**4.7000e-003**		**139.5900**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0848	0.0570	0.5715	1.4000e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		139.4726	139.4726	4.7000e-003		139.5900
Total	**0.0848**	**0.0570**	**0.5715**	**1.4000e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**139.4726**	**139.4726**	**4.7000e-003**		**139.5900**

3.7 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0506	0.5144	1.3600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		135.1266	135.1266	4.1400e-003		135.2301
Total	**0.0781**	**0.0506**	**0.5144**	**1.3600e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**135.1266**	**135.1266**	**4.1400e-003**		**135.2301**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0506	0.5144	1.3600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		135.1266	135.1266	4.1400e-003		135.2301
Total	**0.0781**	**0.0506**	**0.5144**	**1.3600e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**135.1266**	**135.1266**	**4.1400e-003**		**135.2301**

3.7 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0728	0.0453	0.4720	1.3100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		130.8293	130.8293	3.7300e-003		130.9226
Total	**0.0728**	**0.0453**	**0.4720**	**1.3100e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**130.8293**	**130.8293**	**3.7300e-003**		**130.9226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0728	0.0453	0.4720	1.3100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		130.8293	130.8293	3.7300e-003		130.9226
Total	**0.0728**	**0.0453**	**0.4720**	**1.3100e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**130.8293**	**130.8293**	**3.7300e-003**		**130.9226**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	636.9453	4,305.3678	8,781.4132	42.7232	3,854.2934	26.5523	3,880.8457	1,031.1161	24.7347	1,055.8508		4,371,454.1805	4,371,454.1805	185.5325		4,376,092.4929
Unmitigated	636.9453	4,305.3678	8,781.4132	42.7232	3,854.2934	26.5523	3,880.8457	1,031.1161	24.7347	1,055.8508		4,371,454.1805	4,371,454.1805	185.5325		4,376,092.4929

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	17,090.19	4,316.41	1842.37	31,274,953	31,274,953
Industrial Park	38,600.06	19,377.85	5681.06	949,670,518	949,670,518
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	203,122.56	268,875.08	135809.63	355,744,921	355,744,921
Single Family Housing	41,258.64	41,978.76	36514.32	115,546,745	115,546,745
Total	300,071.45	334,548.10	179,847.37	1,452,237,136	1,452,237,136

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Other Asphalt Surfaces	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162
NaturalGas Unmitigated	5.9846	51.8706	27.1138	0.3264		4.1348	4.1348		4.1348	4.1348		65,286.1532	65,286.1532	1.2513	1.1969	65,674.1162

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	16777.2	0.1809	1.6448	1.3817	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.7921	1,973.7921	0.0378	0.0362	1,985.5214
Industrial Park	74411.3	0.8025	7.2952	6.1280	0.0438		0.5544	0.5544		0.5544	0.5544		8,754.2755	8,754.2755	0.1678	0.1605	8,806.2978
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	32874.1	0.3545	3.2230	2.7073	0.0193		0.2449	0.2449		0.2449	0.2449		3,867.5359	3,867.5359	0.0741	0.0709	3,890.5187
Single Family Housing	430870	4.6466	39.7076	16.8969	0.2535		3.2104	3.2104		3.2104	3.2104		50,690.5497	50,690.5497	0.9716	0.9293	50,991.7783
Total		**5.9846**	**51.8706**	**27.1138**	**0.3264**		**4.1348**	**4.1348**		**4.1348**	**4.1348**		**65,286.1532**	**65,286.1532**	**1.2513**	**1.1969**	**65,674.1162**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	16.7772	0.1809	1.6448	1.3817	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.7921	1,973.7921	0.0378	0.0362	1,985.5214
Industrial Park	74.4113	0.8025	7.2952	6.1280	0.0438		0.5544	0.5544		0.5544	0.5544		8,754.2755	8,754.2755	0.1678	0.1605	8,806.2978
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	32.8741	0.3545	3.2230	2.7073	0.0193		0.2449	0.2449		0.2449	0.2449		3,867.5359	3,867.5359	0.0741	0.0709	3,890.5187
Single Family Housing	430.87	4.6466	39.7076	16.8969	0.2535		3.2104	3.2104		3.2104	3.2104		50,690.5497	50,690.5497	0.9716	0.9293	50,991.7783
Total		**5.9846**	**51.8706**	**27.1138**	**0.3264**		**4.1348**	**4.1348**		**4.1348**	**4.1348**		**65,286.1532**	**65,286.1532**	**1.2513**	**1.1969**	**65,674.1162**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044
Unmitigated	7,138.1789	130.6363	8,352.9279	14.5164		1,123.9351	1,123.9351		1,123.9351	1,123.9351	117,641.0514	49,969.4949	167,610.5463	109.1743	9.2534	173,097.4044

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	160.8849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	483.9173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,482.7531	126.6007	8,002.2545	14.4978		1,121.9924	1,121.9924		1,121.9924	1,121.9924	117,641.0514	49,336.9412	166,977.9926	108.5632	9.2534	172,449.5720
Landscaping	10.6237	4.0356	350.6733	0.0186		1.9427	1.9427		1.9427	1.9427		632.5537	632.5537	0.6111		647.8323
Total	**7,138.1789**	**130.6363**	**8,352.9279**	**14.5164**		**1,123.9351**	**1,123.9351**		**1,123.9351**	**1,123.9351**	**117,641.0514**	**49,969.4949**	**167,610.5463**	**109.1743**	**9.2534**	**173,097.4044**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	160.8849					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	483.9173					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,482.7531	126.6007	8,002.2545	14.4978		1,121.9924	1,121.9924		1,121.9924	1,121.9924	117,641.0514	49,336.9412	166,977.9926	108.5632	9.2534	172,449.5720
Landscaping	10.6237	4.0356	350.6733	0.0186		1.9427	1.9427		1.9427	1.9427		632.5537	632.5537	0.6111		647.8323
Total	**7,138.1789**	**130.6363**	**8,352.9279**	**14.5164**		**1,123.9351**	**1,123.9351**		**1,123.9351**	**1,123.9351**	**117,641.0514**	**49,969.4949**	**167,610.5463**	**109.1743**	**9.2534**	**173,097.4044**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AV Annexation 2017

San Bernardino-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	247.00	Dwelling Unit	263.00	444,600.00	706
Regional Shopping Center	3,789.10	1000sqft	424.00	3,789,101.00	0
General Office Building	1,867.95	1000sqft	209.00	1,867,950.00	0
Industrial Park	3,646.22	1000sqft	408.00	3,646,216.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Proposed 2017 Annexation area (Golden Triangle Area).

Construction Phase - GP buildout is 2025.

Off-road Equipment -

Vehicle Trips - Trip rates provided by project Traffic Report.

AV Annexation 2017 - San Bernardino-Mojave Desert County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	BuildingSpaceSquareFeet	3,646,220.00	3,646,216.00
tblLandUse	LandUseSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LandUseSquareFeet	3,646,220.00	3,646,216.00
tblLandUse	LotAcreage	80.19	263.00
tblLandUse	LotAcreage	86.99	424.00
tblLandUse	LotAcreage	42.88	209.00
tblLandUse	LotAcreage	83.71	408.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00
tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74

tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	281.9607	436.3148	372.9104	1.0255	110.0695	13.2892	123.3587	29.8224	12.3642	42.1866	0.0000	104,908.4709	104,908.4709	10.4944	0.0000	105,170.8302
2018	276.1603	397.6851	335.2262	1.0134	110.0693	11.3946	121.4639	29.8224	10.5979	40.4203	0.0000	103,485.0369	103,485.0369	10.1170	0.0000	103,737.9620
2019	272.0976	369.0182	307.3348	0.9956	110.0691	10.2279	120.2970	29.8223	9.5078	39.3301	0.0000	101,456.3785	101,456.3785	9.8516	0.0000	101,702.6679
2020	268.4813	338.7428	284.5589	0.9809	110.0689	9.0378	119.1067	29.8222	8.3914	38.2136	0.0000	99,642.6788	99,642.6788	9.5507	0.0000	99,881.4458
2021	265.5200	312.3362	267.2716	0.9672	110.0687	7.8084	117.8771	29.8221	7.2344	37.0566	0.0000	98,288.1389	98,288.1389	9.3377	0.0000	98,521.5817
Maximum	**281.9607**	**436.3148**	**372.9104**	**1.0255**	**110.0695**	**13.2892**	**123.3587**	**29.8224**	**12.3642**	**42.1866**	**0.0000**	**104,908.4709**	**104,908.4709**	**10.4944**	**0.0000**	**105,170.8302**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	281.9607	436.3148	372.9104	1.0255	110.0695	13.2892	123.3587	29.8224	12.3642	42.1866	0.0000	104,908.4709	104,908.4709	10.4944	0.0000	105,170.8302
2018	276.1603	397.6851	335.2262	1.0134	110.0693	11.3946	121.4639	29.8224	10.5979	40.4203	0.0000	103,485.0368	103,485.0368	10.1170	0.0000	103,737.9620
2019	272.0976	369.0182	307.3348	0.9956	110.0691	10.2279	120.2970	29.8223	9.5078	39.3301	0.0000	101,456.3785	101,456.3785	9.8516	0.0000	101,702.6678
2020	268.4813	338.7428	284.5589	0.9809	110.0689	9.0378	119.1067	29.8222	8.3914	38.2136	0.0000	99,642.6787	99,642.6787	9.5507	0.0000	99,881.4458
2021	265.5200	312.3362	267.2716	0.9672	110.0687	7.8084	117.8771	29.8221	7.2344	37.0566	0.0000	98,288.1389	98,288.1389	9.3377	0.0000	98,521.5816
Maximum	**281.9607**	**436.3148**	**372.9104**	**1.0255**	**110.0695**	**13.2892**	**123.3587**	**29.8224**	**12.3642**	**42.1866**	**0.0000**	**104,908.4709**	**104,908.4709**	**10.4944**	**0.0000**	**105,170.8302**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266
Energy	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548
Mobile	416.4572	2,461.3820	5,408.3075	24.2672	1,990.2980	13.8672	2,004.1653	532.4526	12.9152	545.3677		2,480,558.1715	2,480,558.1715	101.4041		2,483,093.2741
Total	**1,067.7371**	**2,478.7612**	**5,903.4564**	**25.1731**	**1,990.2980**	**80.1592**	**2,070.4572**	**532.4526**	**79.2071**	**611.6597**	**6,859.6175**	**2,495,355.8687**	**2,502,215.4862**	**108.0026**	**0.7574**	**2,505,141.2555**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266
Energy	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548
Mobile	416.4572	2,461.3820	5,408.3075	24.2672	1,990.2980	13.8672	2,004.1653	532.4526	12.9152	545.3677		2,480,558.1715	2,480,558.1715	101.4041		2,483,093.2741
Total	**1,067.7371**	**2,478.7612**	**5,903.4564**	**25.1731**	**1,990.2980**	**80.1592**	**2,070.4572**	**532.4526**	**79.2071**	**611.6597**	**6,859.6175**	**2,495,355.8687**	**2,502,215.4862**	**108.0026**	**0.7574**	**2,505,141.2555**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	10/30/2017	8/27/2021	5	1000	
2	Building Construction	Building Construction	10/30/2017	8/27/2021	5	1000	
3	Demolition	Demolition	10/30/2017	8/27/2021	5	1000	
4	Grading	Grading	10/30/2017	8/27/2021	5	1000	
5	Paving	Paving	10/30/2017	8/27/2021	5	1000	
6	Site Preparation	Site Preparation	10/30/2017	8/27/2021	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 900,315; Residential Outdoor: 300,105; Non-Residential Indoor: 13,954,901; Non-Residential Outdoor: 4,651,634; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

AV Annexation 2017 - San Bernardino-Mojave Desert County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	686.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,431.00	1,551.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**229.8454**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0744	2.6948	33.5634	0.0635	5.6353	0.0420	5.6773	1.4948	0.0387	1.5335		6,304.6461	6,304.6461	0.2624		6,311.2054
Total	**4.0744**	**2.6948**	**33.5634**	**0.0635**	**5.6353**	**0.0420**	**5.6773**	**1.4948**	**0.0387**	**1.5335**		**6,304.6461**	**6,304.6461**	**0.2624**		**6,311.2054**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**229.8454**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.0744	2.6948	33.5634	0.0635	5.6353	0.0420	5.6773	1.4948	0.0387	1.5335		6,304.6461	6,304.6461	0.2624		6,311.2054
Total	**4.0744**	**2.6948**	**33.5634**	**0.0635**	**5.6353**	**0.0420**	**5.6773**	**1.4948**	**0.0387**	**1.5335**		**6,304.6461**	**6,304.6461**	**0.2624**		**6,311.2054**

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**229.8117**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6416	2.3462	29.3933	0.0617	5.6353	0.0404	5.6757	1.4948	0.0372	1.5320		6,129.8693	6,129.8693	0.2302		6,135.6240
Total	**3.6416**	**2.3462**	**29.3933**	**0.0617**	**5.6353**	**0.0404**	**5.6757**	**1.4948**	**0.0372**	**1.5320**		**6,129.8693**	**6,129.8693**	**0.2302**		**6,135.6240**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**229.8117**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6416	2.3462	29.3933	0.0617	5.6353	0.0404	5.6757	1.4948	0.0372	1.5320		6,129.8693	6,129.8693	0.2302		6,135.6240
Total	**3.6416**	**2.3462**	**29.3933**	**0.0617**	**5.6353**	**0.0404**	**5.6757**	**1.4948**	**0.0372**	**1.5320**		**6,129.8693**	**6,129.8693**	**0.2302**		**6,135.6240**

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**229.7795**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.3094	2.0621	26.0595	0.0595	5.6353	0.0391	5.6744	1.4948	0.0360	1.5308		5,921.9089	5,921.9089	0.2023		5,926.9664
Total	**3.3094**	**2.0621**	**26.0595**	**0.0595**	**5.6353**	**0.0391**	**5.6744**	**1.4948**	**0.0360**	**1.5308**		**5,921.9089**	**5,921.9089**	**0.2023**		**5,926.9664**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**229.7795**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.3094	2.0621	26.0595	0.0595	5.6353	0.0391	5.6744	1.4948	0.0360	1.5308		5,921.9089	5,921.9089	0.2023		5,926.9664
Total	**3.3094**	**2.0621**	**26.0595**	**0.0595**	**5.6353**	**0.0391**	**5.6744**	**1.4948**	**0.0360**	**1.5308**		**5,921.9089**	**5,921.9089**	**0.2023**		**5,926.9664**

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**229.7553**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.0446	1.8308	23.5008	0.0577	5.6353	0.0381	5.6735	1.4948	0.0351	1.5299		5,737.5800	5,737.5800	0.1784		5,742.0398
Total	**3.0446**	**1.8308**	**23.5008**	**0.0577**	**5.6353**	**0.0381**	**5.6735**	**1.4948**	**0.0351**	**1.5299**		**5,737.5800**	**5,737.5800**	**0.1784**		**5,742.0398**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**229.7553**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.0446	1.8308	23.5008	0.0577	5.6353	0.0381	5.6735	1.4948	0.0351	1.5299		5,737.5800	5,737.5800	0.1784		5,742.0398
Total	**3.0446**	**1.8308**	**23.5008**	**0.0577**	**5.6353**	**0.0381**	**5.6735**	**1.4948**	**0.0351**	**1.5299**		**5,737.5800**	**5,737.5800**	**0.1784**		**5,742.0398**

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**229.7320**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.8315	1.6405	21.6156	0.0558	5.6353	0.0372	5.6725	1.4948	0.0343	1.5290		5,554.8504	5,554.8504	0.1609		5,558.8736
Total	**2.8315**	**1.6405**	**21.6156**	**0.0558**	**5.6353**	**0.0372**	**5.6725**	**1.4948**	**0.0343**	**1.5290**		**5,554.8504**	**5,554.8504**	**0.1609**		**5,558.8736**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**229.7320**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.8315	1.6405	21.6156	0.0558	5.6353	0.0372	5.6725	1.4948	0.0343	1.5290		5,554.8504	5,554.8504	0.1609		5,558.8736
Total	**2.8315**	**1.6405**	**21.6156**	**0.0558**	**5.6353**	**0.0372**	**5.6725**	**1.4948**	**0.0343**	**1.5290**		**5,554.8504**	**5,554.8504**	**0.1609**		**5,558.8736**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**		**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.3873	207.4552	47.8215	0.4466	10.5080	1.7681	12.2761	3.0254	1.6915	4.7169		47,019.2598	47,019.2598	3.2864		47,101.4197
Worker	20.3778	13.4779	167.8659	0.3175	28.1849	0.2099	28.3947	7.4759	0.1936	7.6695		31,532.4211	31,532.4211	1.3122		31,565.2270
Total	**27.7650**	**220.9330**	**215.6873**	**0.7641**	**38.6928**	**1.9780**	**40.6708**	**10.5014**	**1.8851**	**12.3864**		**78,551.6808**	**78,551.6808**	**4.5986**		**78,666.6467**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**	**0.0000**	**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.3873	207.4552	47.8215	0.4466	10.5080	1.7681	12.2761	3.0254	1.6915	4.7169		47,019.2598	47,019.2598	3.2864		47,101.4197
Worker	20.3778	13.4779	167.8659	0.3175	28.1849	0.2099	28.3947	7.4759	0.1936	7.6695		31,532.4211	31,532.4211	1.3122		31,565.2270
Total	**27.7650**	**220.9330**	**215.6873**	**0.7641**	**38.6928**	**1.9780**	**40.6708**	**10.5014**	**1.8851**	**12.3864**		**78,551.6808**	**78,551.6808**	**4.5986**		**78,666.6467**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4378	194.4123	41.8091	0.4456	10.5078	1.3924	11.9002	3.0254	1.3320	4.3574		46,944.9685	46,944.9685	3.1262		47,023.1224
Worker	18.2133	11.7344	147.0094	0.3084	28.1849	0.2021	28.3869	7.4759	0.1862	7.6622		30,658.2824	30,658.2824	1.1513		30,687.0640
Total	**24.6510**	**206.1467**	**188.8185**	**0.7541**	**38.6926**	**1.5945**	**40.2871**	**10.5013**	**1.5183**	**12.0196**		**77,603.2509**	**77,603.2509**	**4.2774**		**77,710.1864**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.4378	194.4123	41.8091	0.4456	10.5078	1.3924	11.9002	3.0254	1.3320	4.3574		46,944.9685	46,944.9685	3.1262		47,023.1224
Worker	18.2133	11.7344	147.0094	0.3084	28.1849	0.2021	28.3869	7.4759	0.1862	7.6622		30,658.2824	30,658.2824	1.1513		30,687.0640
Total	**24.6510**	**206.1467**	**188.8185**	**0.7541**	**38.6926**	**1.5945**	**40.2871**	**10.5013**	**1.5183**	**12.0196**		**77,603.2509**	**77,603.2509**	**4.2774**		**77,710.1864**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7258	182.4041	37.1867	0.4409	10.5076	1.1781	11.6857	3.0253	1.1270	4.1523		46,475.8786	46,475.8786	3.0521		46,552.1812
Worker	16.5519	10.3134	130.3357	0.2978	28.1849	0.1956	28.3805	7.4759	0.1802	7.6562		29,618.1771	29,618.1771	1.0118		29,643.4719
Total	**22.2777**	**192.7176**	**167.5223**	**0.7387**	**38.6924**	**1.3738**	**40.0662**	**10.5012**	**1.3072**	**11.8085**		**76,094.0558**	**76,094.0558**	**4.0639**		**76,195.6531**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7258	182.4041	37.1867	0.4409	10.5076	1.1781	11.6857	3.0253	1.1270	4.1523		46,475.8786	46,475.8786	3.0521		46,552.1812
Worker	16.5519	10.3134	130.3357	0.2978	28.1849	0.1956	28.3805	7.4759	0.1802	7.6562		29,618.1771	29,618.1771	1.0118		29,643.4719
Total	**22.2777**	**192.7176**	**167.5223**	**0.7387**	**38.6924**	**1.3738**	**40.0662**	**10.5012**	**1.3072**	**11.8085**		**76,094.0558**	**76,094.0558**	**4.0639**		**76,195.6531**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.8371	166.8226	32.6331	0.4377	10.5074	0.7944	11.3018	3.0252	0.7600	3.7852		46,159.1789	46,159.1789	2.9115		46,231.9667
Worker	15.2275	9.1566	117.5383	0.2884	28.1849	0.1907	28.3755	7.4759	0.1756	7.6515		28,696.2639	28,696.2639	0.8922		28,718.5693
Total	**20.0646**	**175.9792**	**150.1714**	**0.7261**	**38.6922**	**0.9851**	**39.6773**	**10.5012**	**0.9355**	**11.4367**		**74,855.4427**	**74,855.4427**	**3.8037**		**74,950.5360**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.8371	166.8226	32.6331	0.4377	10.5074	0.7944	11.3018	3.0252	0.7600	3.7852		46,159.1789	46,159.1789	2.9115		46,231.9667
Worker	15.2275	9.1566	117.5383	0.2884	28.1849	0.1907	28.3755	7.4759	0.1756	7.6515		28,696.2639	28,696.2639	0.8922		28,718.5693
Total	**20.0646**	**175.9792**	**150.1714**	**0.7261**	**38.6922**	**0.9851**	**39.6773**	**10.5012**	**0.9355**	**11.4367**		**74,855.4427**	**74,855.4427**	**3.8037**		**74,950.5360**

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1131	152.1128	28.7600	0.4353	10.5072	0.2698	10.7770	3.0251	0.2580	3.2832		45,917.6445	45,917.6445	2.8170		45,988.0706
Worker	14.1618	8.2047	108.1096	0.2791	28.1849	0.1861	28.3710	7.4759	0.1714	7.6473		27,782.3494	27,782.3494	0.8049		27,802.4715
Total	**18.2748**	**160.3175**	**136.8697**	**0.7143**	**38.6921**	**0.4559**	**39.1480**	**10.5011**	**0.4294**	**10.9305**		**73,699.9939**	**73,699.9939**	**3.6219**		**73,790.5421**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.1131	152.1128	28.7600	0.4353	10.5072	0.2698	10.7770	3.0251	0.2580	3.2832		45,917.6445	45,917.6445	2.8170		45,988.0706
Worker	14.1618	8.2047	108.1096	0.2791	28.1849	0.1861	28.3710	7.4759	0.1714	7.6473		27,782.3494	27,782.3494	0.8049		27,802.4715
Total	**18.2748**	**160.3175**	**136.8697**	**0.7143**	**38.6921**	**0.4559**	**39.1480**	**10.5011**	**0.4294**	**10.9305**		**73,699.9939**	**73,699.9939**	**3.6219**		**73,790.5421**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

3.4 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

3.4 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

3.4 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

3.4 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**		**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4879**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1188	0.0786	0.9785	1.8500e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		183.8089	183.8089	7.6500e-003		184.0002
Total	**0.1188**	**0.0786**	**0.9785**	**1.8500e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**183.8089**	**183.8089**	**7.6500e-003**		**184.0002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**	**0.0000**	**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4878**

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1188	0.0786	0.9785	1.8500e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		183.8089	183.8089	7.6500e-003		184.0002
Total	**0.1188**	**0.0786**	**0.9785**	**1.8500e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**183.8089**	**183.8089**	**7.6500e-003**		**184.0002**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1062	0.0684	0.8570	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		178.7134	178.7134	6.7100e-003		178.8812
Total	**0.1062**	**0.0684**	**0.8570**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**178.7134**	**178.7134**	**6.7100e-003**		**178.8812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1062	0.0684	0.8570	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		178.7134	178.7134	6.7100e-003		178.8812
Total	**0.1062**	**0.0684**	**0.8570**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**178.7134**	**178.7134**	**6.7100e-003**		**178.8812**

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**		**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0965	0.0601	0.7598	1.7400e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		172.6504	172.6504	5.9000e-003		172.7979
Total	**0.0965**	**0.0601**	**0.7598**	**1.7400e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**172.6504**	**172.6504**	**5.9000e-003**		**172.7979**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**	**0.0000**	**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0965	0.0601	0.7598	1.7400e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		172.6504	172.6504	5.9000e-003		172.7979
Total	**0.0965**	**0.0601**	**0.7598**	**1.7400e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**172.6504**	**172.6504**	**5.9000e-003**		**172.7979**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0534	0.6852	1.6800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		167.2764	167.2764	5.2000e-003		167.4064
Total	**0.0888**	**0.0534**	**0.6852**	**1.6800e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**167.2764**	**167.2764**	**5.2000e-003**		**167.4064**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0534	0.6852	1.6800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		167.2764	167.2764	5.2000e-003		167.4064
Total	**0.0888**	**0.0534**	**0.6852**	**1.6800e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**167.2764**	**167.2764**	**5.2000e-003**		**167.4064**

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0826	0.0478	0.6302	1.6300e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		161.9490	161.9490	4.6900e-003		162.0663
Total	**0.0826**	**0.0478**	**0.6302**	**1.6300e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**161.9490**	**161.9490**	**4.6900e-003**		**162.0663**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0826	0.0478	0.6302	1.6300e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		161.9490	161.9490	4.6900e-003		162.0663
Total	**0.0826**	**0.0478**	**0.6302**	**1.6300e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**161.9490**	**161.9490**	**4.6900e-003**		**162.0663**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665		2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9449**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**		**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665	0.0000	2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9449**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**	**0.0000**	**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**		**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0707	0.8807	1.6700e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		165.4280	165.4280	6.8800e-003		165.6001
Total	**0.1069**	**0.0707**	**0.8807**	**1.6700e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**165.4280**	**165.4280**	**6.8800e-003**		**165.6001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**	**0.0000**	**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1069	0.0707	0.8807	1.6700e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		165.4280	165.4280	6.8800e-003		165.6001
Total	**0.1069**	**0.0707**	**0.8807**	**1.6700e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**165.4280**	**165.4280**	**6.8800e-003**		**165.6001**

3.7 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0956	0.0616	0.7713	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		160.8421	160.8421	6.0400e-003		160.9931
Total	**0.0956**	**0.0616**	**0.7713**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**160.8421**	**160.8421**	**6.0400e-003**		**160.9931**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0956	0.0616	0.7713	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		160.8421	160.8421	6.0400e-003		160.9931
Total	**0.0956**	**0.0616**	**0.7713**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**160.8421**	**160.8421**	**6.0400e-003**		**160.9931**

3.7 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0541	0.6838	1.5600e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		155.3854	155.3854	5.3100e-003		155.5181
Total	**0.0868**	**0.0541**	**0.6838**	**1.5600e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**155.3854**	**155.3854**	**5.3100e-003**		**155.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0541	0.6838	1.5600e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		155.3854	155.3854	5.3100e-003		155.5181
Total	**0.0868**	**0.0541**	**0.6838**	**1.5600e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**155.3854**	**155.3854**	**5.3100e-003**		**155.5181**

3.7 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0480	0.6166	1.5100e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		150.5488	150.5488	4.6800e-003		150.6658
Total	**0.0799**	**0.0480**	**0.6166**	**1.5100e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**150.5488**	**150.5488**	**4.6800e-003**		**150.6658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0480	0.6166	1.5100e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		150.5488	150.5488	4.6800e-003		150.6658
Total	**0.0799**	**0.0480**	**0.6166**	**1.5100e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**150.5488**	**150.5488**	**4.6800e-003**		**150.6658**

3.7 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0430	0.5672	1.4600e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		145.7541	145.7541	4.2200e-003		145.8597
Total	**0.0743**	**0.0430**	**0.5672**	**1.4600e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**145.7541**	**145.7541**	**4.2200e-003**		**145.8597**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0430	0.5672	1.4600e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		145.7541	145.7541	4.2200e-003		145.8597
Total	**0.0743**	**0.0430**	**0.5672**	**1.4600e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**145.7541**	**145.7541**	**4.2200e-003**		**145.8597**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	416.4572	2,461.3820	5,408.3075	24.2672	1,990.2980	13.8672	2,004.1653	532.4526	12.9152	545.3677		2,480,558.1715	2,480,558.1715	101.4041		2,483,093.2741
Unmitigated	416.4572	2,461.3820	5,408.3075	24.2672	1,990.2980	13.8672	2,004.1653	532.4526	12.9152	545.3677		2,480,558.1715	2,480,558.1715	101.4041		2,483,093.2741

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	18,193.83	4,595.16	1961.35	33,294,606	33,294,606
Industrial Park	18,085.25	9,079.09	2661.74	444,948,278	444,948,278
Regional Shopping Center	143,038.53	189,341.33	95636.88	250,514,908	250,514,908
Single Family Housing	2,405.78	2,447.77	2129.14	6,737,499	6,737,499
Total	181,723.39	205,463.34	102,389.11	735,495,291	735,495,291

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548
NaturalGas Unmitigated	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17860.7	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2556	2,101.2556	0.0403	0.0385	2,113.7423
Industrial Park	34863.8	0.3760	3.4180	2.8711	0.0205		0.2598	0.2598		0.2598	0.2598		4,101.6257	4,101.6257	0.0786	0.0752	4,125.9997
Regional Shopping Center	23149.8	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	25123.9	0.2709	2.3153	0.9853	0.0148		0.1872	0.1872		0.1872	0.1872		2,955.7521	2,955.7521	0.0567	0.0542	2,973.3166
Total		**1.0892**	**9.7540**	**7.2337**	**0.0594**		**0.7525**	**0.7525**		**0.7525**	**0.7525**		**11,882.1452**	**11,882.1452**	**0.2277**	**0.2178**	**11,952.7548**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17.8607	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2556	2,101.2556	0.0403	0.0385	2,113.7423
Industrial Park	34.8638	0.3760	3.4180	2.8711	0.0205		0.2598	0.2598		0.2598	0.2598		4,101.6257	4,101.6257	0.0786	0.0752	4,125.9997
Regional Shopping Center	23.1498	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	25.1239	0.2709	2.3153	0.9853	0.0148		0.1872	0.1872		0.1872	0.1872		2,955.7521	2,955.7521	0.0567	0.0542	2,973.3166
Total		**1.0892**	**9.7540**	**7.2337**	**0.0594**		**0.7525**	**0.7525**		**0.7525**	**0.7525**		**11,882.1452**	**11,882.1452**	**0.2277**	**0.2178**	**11,952.7548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266
Unmitigated	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	62.8803					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	208.6044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	378.0076	7.3821	466.6093	0.8454		65.4231	65.4231		65.4231	65.4231	6,859.6175	2,876.8235	9,736.4410	6.3303	0.5396	10,055.4873
Landscaping	0.6985	0.2431	21.3059	1.1500e-003		0.1163	0.1163		0.1163	0.1163		38.7285	38.7285	0.0404		39.7393
Total	**650.1907**	**7.6251**	**487.9152**	**0.8465**		**65.5394**	**65.5394**		**65.5394**	**65.5394**	**6,859.6175**	**2,915.5520**	**9,775.1695**	**6.3707**	**0.5396**	**10,095.2266**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	62.8803					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	208.6044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	378.0076	7.3821	466.6093	0.8454		65.4231	65.4231		65.4231	65.4231	6,859.6175	2,876.8235	9,736.4410	6.3303	0.5396	10,055.4873
Landscaping	0.6985	0.2431	21.3059	1.1500e-003		0.1163	0.1163		0.1163	0.1163		38.7285	38.7285	0.0404		39.7393
Total	**650.1907**	**7.6251**	**487.9152**	**0.8465**		**65.5394**	**65.5394**		**65.5394**	**65.5394**	**6,859.6175**	**2,915.5520**	**9,775.1695**	**6.3707**	**0.5396**	**10,095.2266**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AV Annexation 2017

San Bernardino-Mojave Desert County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	247.00	Dwelling Unit	263.00	444,600.00	706
Regional Shopping Center	3,789.10	1000sqft	424.00	3,789,101.00	0
General Office Building	1,867.95	1000sqft	209.00	1,867,950.00	0
Industrial Park	3,646.22	1000sqft	408.00	3,646,216.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Proposed 2017 Annexation area (Golden Triangle Area).

Construction Phase - GP buildout is 2025.

Off-road Equipment -

Vehicle Trips - Trip rates provided by project Traffic Report.

AV Annexation 2017 - San Bernardino-Mojave Desert County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	BuildingSpaceSquareFeet	3,646,220.00	3,646,216.00
tblLandUse	LandUseSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LandUseSquareFeet	3,646,220.00	3,646,216.00
tblLandUse	LotAcreage	80.19	263.00
tblLandUse	LotAcreage	86.99	424.00
tblLandUse	LotAcreage	42.88	209.00
tblLandUse	LotAcreage	83.71	408.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00
tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74

tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	6.2859	9.9457	7.9133	0.0222	33.5829	0.2992	33.8821	9.1078	0.2784	9.3862	0.0000	2,062.0655	2,062.0655	0.2144	0.0000	2,067.4243
2018	35.7311	52.5305	41.2863	0.1273	38.3422	1.4879	39.8301	10.3977	1.3839	11.7816	0.0000	11,799.1953	11,799.1953	1.2000	0.0000	11,829.1947
2019	35.2278	48.6967	37.9131	0.1251	38.3422	1.3356	39.6777	10.3977	1.2415	11.6392	0.0000	11,571.2665	11,571.2665	1.1700	0.0000	11,600.5159
2020	34.9125	44.8069	35.2676	0.1238	38.3642	1.1845	39.5487	10.4036	1.0998	11.5034	0.0000	11,410.9991	11,410.9991	1.1396	0.0000	11,439.4891
2021	22.5461	26.9224	21.6276	0.0797	36.3591	0.6679	37.0270	9.8602	0.6188	10.4790	0.0000	7,350.0376	7,350.0376	0.7278	0.0000	7,368.2333
Maximum	**35.7311**	**52.5305**	**41.2863**	**0.1273**	**38.3642**	**1.4879**	**39.8301**	**10.4036**	**1.3839**	**11.7816**	**0.0000**	**11,799.1953**	**11,799.1953**	**1.2000**	**0.0000**	**11,829.1947**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	6.2859	9.9457	7.9133	0.0222	33.5829	0.2992	33.8821	9.1078	0.2784	9.3862	0.0000	2,062.0651	2,062.0651	0.2144	0.0000	2,067.4238
2018	35.7311	52.5305	41.2863	0.1273	38.3422	1.4879	39.8301	10.3977	1.3839	11.7816	0.0000	11,799.1926	11,799.1926	1.2000	0.0000	11,829.1920
2019	35.2278	48.6966	37.9131	0.1251	38.3422	1.3356	39.6777	10.3977	1.2415	11.6392	0.0000	11,571.2639	11,571.2639	1.1700	0.0000	11,600.5132
2020	34.9125	44.8069	35.2676	0.1238	38.3642	1.1845	39.5487	10.4036	1.0998	11.5034	0.0000	11,410.9965	11,410.9965	1.1396	0.0000	11,439.4864
2021	22.5461	26.9224	21.6276	0.0797	36.3591	0.6679	37.0270	9.8602	0.6188	10.4790	0.0000	7,350.0359	7,350.0359	0.7278	0.0000	7,368.2316
Maximum	**35.7311**	**52.5305**	**41.2863**	**0.1273**	**38.3642**	**1.4879**	**39.8301**	**10.4036**	**1.3839**	**11.7816**	**0.0000**	**11,799.1926**	**11,799.1926**	**1.2000**	**0.0000**	**11,829.1920**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	10-30-2017	1-29-2018	23.1473	23.1473
2	1-30-2018	4-29-2018	21.6573	21.6573
3	4-30-2018	7-29-2018	21.9000	21.9000
4	7-30-2018	10-29-2018	22.1397	22.1397
5	10-30-2018	1-29-2019	21.7956	21.7956
6	1-30-2019	4-29-2019	20.5990	20.5990

7	**4-30-2019**	**7-29-2019**	20.8363	20.8363
8	**7-30-2019**	**10-29-2019**	21.0613	21.0613
9	**10-30-2019**	**1-29-2020**	20.6979	20.6979
10	**1-30-2020**	**4-29-2020**	19.7182	19.7182
11	**4-30-2020**	**7-29-2020**	19.7348	19.7348
12	**7-30-2020**	**10-29-2020**	19.9439	19.9439
13	**10-30-2020**	**1-29-2021**	19.6196	19.6196
14	**1-30-2021**	**4-29-2021**	18.5507	18.5507
15	**4-30-2021**	**7-29-2021**	18.7803	18.7803
16	**7-30-2021**	**9-30-2021**	5.9849	5.9849
		Highest	23.1473	23.1473

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	65.1071	0.3245	21.0485	0.0348		2.6928	2.6928		2.6928	2.6928	255.1406	110.1643	365.3048	0.2388	0.0201	377.2542
Energy	0.1988	1.7801	1.3202	0.0108		0.1373	0.1373		0.1373	0.1373	0.0000	35,558.8796	35,558.8796	1.4245	0.3230	35,690.7449
Mobile	50.1893	354.5048	689.5107	3.2666	279.9973	1.9835	281.9808	75.0236	1.8474	76.8711	0.0000	303,292.0378	303,292.0378	12.9508	0.0000	303,615.8066
Waste						0.0000	0.0000		0.0000	0.0000	2,136.7884	0.0000	2,136.7884	126.2806	0.0000	5,293.8029
Water						0.0000	0.0000		0.0000	0.0000	466.9810	7,471.9287	7,938.9096	48.2719	1.1963	9,502.2174
Total	**115.4952**	**356.6095**	**711.8793**	**3.3122**	**279.9973**	**4.8137**	**284.8110**	**75.0236**	**4.6776**	**79.7012**	**2,858.9100**	**346,433.0103**	**349,291.9203**	**189.1665**	**1.5394**	**354,479.8260**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	65.1071	0.3245	21.0485	0.0348		2.6928	2.6928		2.6928	2.6928	255.1406	110.1643	365.3048	0.2388	0.0201	377.2542
Energy	0.1988	1.7801	1.3202	0.0108		0.1373	0.1373		0.1373	0.1373	0.0000	35,558.8796	35,558.8796	1.4245	0.3230	35,690.7449
Mobile	50.1893	354.5048	689.5107	3.2666	279.9973	1.9835	281.9808	75.0236	1.8474	76.8711	0.0000	303,292.0378	303,292.0378	12.9508	0.0000	303,615.8066
Waste						0.0000	0.0000		0.0000	0.0000	2,136.7884	0.0000	2,136.7884	126.2806	0.0000	5,293.8029
Water						0.0000	0.0000		0.0000	0.0000	466.9810	7,471.9287	7,938.9096	48.2719	1.1963	9,502.2174
Total	**115.4952**	**356.6095**	**711.8793**	**3.3122**	**279.9973**	**4.8137**	**284.8110**	**75.0236**	**4.6776**	**79.7012**	**2,858.9100**	**346,433.0103**	**349,291.9203**	**189.1665**	**1.5394**	**354,479.8260**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

AV Annexation 2017 - San Bernardino-Mojave Desert County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	10/30/2017	8/27/2021	5	1000	
2	Building Construction	Building Construction	10/30/2017	8/27/2021	5	1000	
3	Demolition	Demolition	10/30/2017	8/27/2021	5	1000	
4	Grading	Grading	10/30/2017	8/27/2021	5	1000	
5	Paving	Paving	10/30/2017	8/27/2021	5	1000	
6	Site Preparation	Site Preparation	10/30/2017	8/27/2021	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 900,315; Residential Outdoor: 300,105; Non-Residential Indoor: 13,954,901; Non-Residential Outdoor: 4,651,634; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

AV Annexation 2017 - San Bernardino-Mojave Desert County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	686.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,431.00	1,551.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.1640					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4800e-003	0.0492	0.0420	7.0000e-005		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	5.7448	5.7448	6.1000e-004	0.0000	5.7600
Total	**5.1715**	**0.0492**	**0.0420**	**7.0000e-005**		**3.9000e-003**	**3.9000e-003**		**3.9000e-003**	**3.9000e-003**	**0.0000**	**5.7448**	**5.7448**	**6.1000e-004**	**0.0000**	**5.7600**

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0817	0.0673	0.6653	1.3100e-003	0.1244	9.4000e-004	0.1253	0.0330	8.7000e-004	0.0339	0.0000	118.0542	118.0542	4.9000e-003	0.0000	118.1767
Total	**0.0817**	**0.0673**	**0.6653**	**1.3100e-003**	**0.1244**	**9.4000e-004**	**0.1253**	**0.0330**	**8.7000e-004**	**0.0339**	**0.0000**	**118.0542**	**118.0542**	**4.9000e-003**	**0.0000**	**118.1767**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.1640					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4800e-003	0.0492	0.0420	7.0000e-005		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	5.7448	5.7448	6.1000e-004	0.0000	5.7600
Total	**5.1715**	**0.0492**	**0.0420**	**7.0000e-005**		**3.9000e-003**	**3.9000e-003**		**3.9000e-003**	**3.9000e-003**	**0.0000**	**5.7448**	**5.7448**	**6.1000e-004**	**0.0000**	**5.7600**

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0817	0.0673	0.6653	1.3100e-003	0.1244	9.4000e-004	0.1253	0.0330	8.7000e-004	0.0339	0.0000	118.0542	118.0542	4.9000e-003	0.0000	118.1767
Total	**0.0817**	**0.0673**	**0.6653**	**1.3100e-003**	**0.1244**	**9.4000e-004**	**0.1253**	**0.0330**	**8.7000e-004**	**0.0339**	**0.0000**	**118.0542**	**118.0542**	**4.9000e-003**	**0.0000**	**118.1767**

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	29.9515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.2618	0.2420	3.9000e-004		0.0197	0.0197		0.0197	0.0197	0.0000	33.3200	33.3200	3.1700e-003	0.0000	33.3992
Total	**29.9904**	**0.2618**	**0.2420**	**3.9000e-004**		**0.0197**	**0.0197**		**0.0197**	**0.0197**	**0.0000**	**33.3200**	**33.3200**	**3.1700e-003**	**0.0000**	**33.3992**

3.2 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4223	0.3393	3.3671	7.3800e-003	0.7214	5.2700e-003	0.7267	0.1916	4.8600e-003	0.1965	0.0000	665.6125	665.6125	0.0248	0.0000	666.2336
Total	**0.4223**	**0.3393**	**3.3671**	**7.3800e-003**	**0.7214**	**5.2700e-003**	**0.7267**	**0.1916**	**4.8600e-003**	**0.1965**	**0.0000**	**665.6125**	**665.6125**	**0.0248**	**0.0000**	**666.2336**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	29.9515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.2618	0.2420	3.9000e-004		0.0197	0.0197		0.0197	0.0197	0.0000	33.3200	33.3200	3.1700e-003	0.0000	33.3991
Total	**29.9904**	**0.2618**	**0.2420**	**3.9000e-004**		**0.0197**	**0.0197**		**0.0197**	**0.0197**	**0.0000**	**33.3200**	**33.3200**	**3.1700e-003**	**0.0000**	**33.3991**

3.2 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4223	0.3393	3.3671	7.3800e-003	0.7214	5.2700e-003	0.7267	0.1916	4.8600e-003	0.1965	0.0000	665.6125	665.6125	0.0248	0.0000	666.2336
Total	**0.4223**	**0.3393**	**3.3671**	**7.3800e-003**	**0.7214**	**5.2700e-003**	**0.7267**	**0.1916**	**4.8600e-003**	**0.1965**	**0.0000**	**665.6125**	**665.6125**	**0.0248**	**0.0000**	**666.2336**

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	29.9515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903
Total	**29.9862**	**0.2395**	**0.2403**	**3.9000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**33.3200**	**33.3200**	**2.8100e-003**	**0.0000**	**33.3903**

3.2 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3835	0.2981	2.9786	7.1200e-003	0.7214	5.1000e-003	0.7265	0.1916	4.7000e-003	0.1963	0.0000	643.0010	643.0010	0.0218	0.0000	643.5458
Total	**0.3835**	**0.2981**	**2.9786**	**7.1200e-003**	**0.7214**	**5.1000e-003**	**0.7265**	**0.1916**	**4.7000e-003**	**0.1963**	**0.0000**	**643.0010**	**643.0010**	**0.0218**	**0.0000**	**643.5458**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	29.9515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903
Total	**29.9862**	**0.2395**	**0.2403**	**3.9000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**33.3199**	**33.3199**	**2.8100e-003**	**0.0000**	**33.3903**

3.2 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3835	0.2981	2.9786	7.1200e-003	0.7214	5.1000e-003	0.7265	0.1916	4.7000e-003	0.1963	0.0000	643.0010	643.0010	0.0218	0.0000	643.5458
Total	**0.3835**	**0.2981**	**2.9786**	**7.1200e-003**	**0.7214**	**5.1000e-003**	**0.7265**	**0.1916**	**4.7000e-003**	**0.1963**	**0.0000**	**643.0010**	**643.0010**	**0.0218**	**0.0000**	**643.5458**

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	30.0662					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	**30.0979**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5124**

3.2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3543	0.2655	2.6908	6.9200e-003	0.7242	4.9900e-003	0.7292	0.1924	4.6000e-003	0.1970	0.0000	625.3554	625.3554	0.0193	0.0000	625.8370
Total	**0.3543**	**0.2655**	**2.6908**	**6.9200e-003**	**0.7242**	**4.9900e-003**	**0.7292**	**0.1924**	**4.6000e-003**	**0.1970**	**0.0000**	**625.3554**	**625.3554**	**0.0193**	**0.0000**	**625.8370**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	30.0662					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	**30.0979**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5123**

3.2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3543	0.2655	2.6908	6.9200e-003	0.7242	4.9900e-003	0.7292	0.1924	4.6000e-003	0.1970	0.0000	625.3554	625.3554	0.0193	0.0000	625.8370
Total	**0.3543**	**0.2655**	**2.6908**	**6.9200e-003**	**0.7242**	**4.9900e-003**	**0.7292**	**0.1924**	**4.6000e-003**	**0.1970**	**0.0000**	**625.3554**	**625.3554**	**0.0193**	**0.0000**	**625.8370**

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	19.6234					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0187	0.1306	0.1554	2.5000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	21.8303	21.8303	1.5000e-003	0.0000	21.8678
Total	**19.6421**	**0.1306**	**0.1554**	**2.5000e-004**		**8.0500e-003**	**8.0500e-003**		**8.0500e-003**	**8.0500e-003**	**0.0000**	**21.8303**	**21.8303**	**1.5000e-003**	**0.0000**	**21.8678**

3.2 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2152	0.1552	1.6117	4.3700e-003	0.4726	3.1800e-003	0.4758	0.1256	2.9300e-003	0.1285	0.0000	395.1631	395.1631	0.0113	0.0000	395.4466
Total	**0.2152**	**0.1552**	**1.6117**	**4.3700e-003**	**0.4726**	**3.1800e-003**	**0.4758**	**0.1256**	**2.9300e-003**	**0.1285**	**0.0000**	**395.1631**	**395.1631**	**0.0113**	**0.0000**	**395.4466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	19.6234					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0187	0.1306	0.1554	2.5000e-004		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	21.8303	21.8303	1.5000e-003	0.0000	21.8678
Total	**19.6421**	**0.1306**	**0.1554**	**2.5000e-004**		**8.0500e-003**	**8.0500e-003**		**8.0500e-003**	**8.0500e-003**	**0.0000**	**21.8303**	**21.8303**	**1.5000e-003**	**0.0000**	**21.8678**

3.2 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2152	0.1552	1.6117	4.3700e-003	0.4726	3.1800e-003	0.4758	0.1256	2.9300e-003	0.1285	0.0000	395.1631	395.1631	0.0113	0.0000	395.4466
Total	**0.2152**	**0.1552**	**1.6117**	**4.3700e-003**	**0.4726**	**3.1800e-003**	**0.4758**	**0.1256**	**2.9300e-003**	**0.1285**	**0.0000**	**395.1631**	**395.1631**	**0.0113**	**0.0000**	**395.4466**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0701	0.5975	0.4091	6.1000e-004		0.0402	0.0402		0.0378	0.0378	0.0000	54.1109	54.1109	0.0133	0.0000	54.4442
Total	**0.0701**	**0.5975**	**0.4091**	**6.1000e-004**		**0.0402**	**0.0402**		**0.0378**	**0.0378**	**0.0000**	**54.1109**	**54.1109**	**0.0133**	**0.0000**	**54.4442**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1688	4.7560	1.1473	9.9000e-003	0.2327	0.0400	0.2727	0.0672	0.0383	0.1054	0.0000	945.3251	945.3251	0.0700	0.0000	947.0752
Worker	0.4086	0.3364	3.3273	6.5500e-003	0.6221	4.7200e-003	0.6268	0.1652	4.3600e-003	0.1696	0.0000	590.4429	590.4429	0.0245	0.0000	591.0556
Total	**0.5774**	**5.0924**	**4.4746**	**0.0165**	**0.8548**	**0.0447**	**0.8995**	**0.2324**	**0.0426**	**0.2750**	**0.0000**	**1,535.7680**	**1,535.7680**	**0.0945**	**0.0000**	**1,538.1307**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0701	0.5975	0.4091	6.1000e-004		0.0402	0.0402		0.0378	0.0378	0.0000	54.1108	54.1108	0.0133	0.0000	54.4441
Total	**0.0701**	**0.5975**	**0.4091**	**6.1000e-004**		**0.0402**	**0.0402**		**0.0378**	**0.0378**	**0.0000**	**54.1108**	**54.1108**	**0.0133**	**0.0000**	**54.4441**

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1688	4.7560	1.1473	9.9000e-003	0.2327	0.0400	0.2727	0.0672	0.0383	0.1054	0.0000	945.3251	945.3251	0.0700	0.0000	947.0752
Worker	0.4086	0.3364	3.3273	6.5500e-003	0.6221	4.7200e-003	0.6268	0.1652	4.3600e-003	0.1696	0.0000	590.4429	590.4429	0.0245	0.0000	591.0556
Total	**0.5774**	**5.0924**	**4.4746**	**0.0165**	**0.8548**	**0.0447**	**0.8995**	**0.2324**	**0.0426**	**0.2750**	**0.0000**	**1,535.7680**	**1,535.7680**	**0.0945**	**0.0000**	**1,538.1307**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3497	3.0524	2.2943	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2862	310.2862	0.0760	0.0000	312.1867
Total	**0.3497**	**3.0524**	**2.2943**	**3.5100e-003**		**0.1957**	**0.1957**		**0.1840**	**0.1840**	**0.0000**	**310.2862**	**310.2862**	**0.0760**	**0.0000**	**312.1867**

3.3 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8549	25.8012	5.8549	0.0573	1.3499	0.1826	1.5325	0.3896	0.1747	0.5643	0.0000	5,472.1244	5,472.1244	0.3870	0.0000	5,481.8001
Worker	2.1123	1.6971	16.8404	0.0369	3.6081	0.0264	3.6344	0.9584	0.0243	0.9827	0.0000	3,329.0325	3,329.0325	0.1243	0.0000	3,332.1390
Total	**2.9672**	**27.4983**	**22.6953**	**0.0942**	**4.9579**	**0.2090**	**5.1669**	**1.3480**	**0.1990**	**1.5470**	**0.0000**	**8,801.1569**	**8,801.1569**	**0.5113**	**0.0000**	**8,813.9391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3497	3.0524	2.2942	3.5100e-003		0.1957	0.1957		0.1840	0.1840	0.0000	310.2859	310.2859	0.0760	0.0000	312.1864
Total	**0.3497**	**3.0524**	**2.2942**	**3.5100e-003**		**0.1957**	**0.1957**		**0.1840**	**0.1840**	**0.0000**	**310.2859**	**310.2859**	**0.0760**	**0.0000**	**312.1864**

3.3 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8549	25.8012	5.8549	0.0573	1.3499	0.1826	1.5325	0.3896	0.1747	0.5643	0.0000	5,472.1244	5,472.1244	0.3870	0.0000	5,481.8001
Worker	2.1123	1.6971	16.8404	0.0369	3.6081	0.0264	3.6344	0.9584	0.0243	0.9827	0.0000	3,329.0325	3,329.0325	0.1243	0.0000	3,332.1390
Total	**2.9672**	**27.4983**	**22.6953**	**0.0942**	**4.9579**	**0.2090**	**5.1669**	**1.3480**	**0.1990**	**1.5470**	**0.0000**	**8,801.1569**	**8,801.1569**	**0.5113**	**0.0000**	**8,813.9391**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8110**	**306.8110**	**0.0747**	**0.0000**	**308.6795**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7615	24.1667	5.2342	0.0567	1.3498	0.1546	1.5044	0.3895	0.1479	0.5374	0.0000	5,416.5763	5,416.5763	0.3782	0.0000	5,426.0306
Worker	1.9179	1.4909	14.8974	0.0356	3.6081	0.0255	3.6336	0.9584	0.0235	0.9819	0.0000	3,215.9423	3,215.9423	0.1090	0.0000	3,218.6670
Total	**2.6795**	**25.6576**	**20.1316**	**0.0923**	**4.9579**	**0.1801**	**5.1380**	**1.3480**	**0.1714**	**1.5193**	**0.0000**	**8,632.5186**	**8,632.5186**	**0.4872**	**0.0000**	**8,644.6975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8106**	**306.8106**	**0.0747**	**0.0000**	**308.6792**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7615	24.1667	5.2342	0.0567	1.3498	0.1546	1.5044	0.3895	0.1479	0.5374	0.0000	5,416.5763	5,416.5763	0.3782	0.0000	5,426.0306
Worker	1.9179	1.4909	14.8974	0.0356	3.6081	0.0255	3.6336	0.9584	0.0235	0.9819	0.0000	3,215.9423	3,215.9423	0.1090	0.0000	3,218.6670
Total	**2.6795**	**25.6576**	**20.1316**	**0.0923**	**4.9579**	**0.1801**	**5.1380**	**1.3480**	**0.1714**	**1.5193**	**0.0000**	**8,632.5186**	**8,632.5186**	**0.4872**	**0.0000**	**8,644.6975**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4091**	**303.4091**	**0.0740**	**0.0000**	**305.2596**

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6471	22.1286	4.6314	0.0565	1.3550	0.1046	1.4596	0.3910	0.1001	0.4911	0.0000	5,399.6723	5,399.6723	0.3624	0.0000	5,408.7323
Worker	1.7718	1.3280	13.4577	0.0346	3.6219	0.0250	3.6469	0.9621	0.0230	0.9851	0.0000	3,127.6885	3,127.6885	0.0964	0.0000	3,130.0973
Total	**2.4190**	**23.4566**	**18.0892**	**0.0911**	**4.9769**	**0.1296**	**5.1064**	**1.3531**	**0.1231**	**1.4762**	**0.0000**	**8,527.3608**	**8,527.3608**	**0.4588**	**0.0000**	**8,538.8296**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4087**	**303.4087**	**0.0740**	**0.0000**	**305.2592**

3.3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6471	22.1286	4.6314	0.0565	1.3550	0.1046	1.4596	0.3910	0.1001	0.4911	0.0000	5,399.6723	5,399.6723	0.3624	0.0000	5,408.7323
Worker	1.7718	1.3280	13.4577	0.0346	3.6219	0.0250	3.6469	0.9621	0.0230	0.9851	0.0000	3,127.6885	3,127.6885	0.0964	0.0000	3,130.0973
Total	**2.4190**	**23.4566**	**18.0892**	**0.0911**	**4.9769**	**0.1296**	**5.1064**	**1.3531**	**0.1231**	**1.4762**	**0.0000**	**8,527.3608**	**8,527.3608**	**0.4588**	**0.0000**	**8,538.8296**

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0499	198.0499	0.0478	0.0000	199.2444
Total	**0.1625**	**1.4904**	**1.4172**	**2.3000e-003**		**0.0820**	**0.0820**		**0.0771**	**0.0771**	**0.0000**	**198.0499**	**198.0499**	**0.0478**	**0.0000**	**199.2444**

3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3601	13.1319	2.6771	0.0366	0.8843	0.0233	0.9077	0.2552	0.0223	0.2775	0.0000	3,505.7171	3,505.7171	0.2290	0.0000	3,511.4432
Worker	1.0762	0.7764	8.0610	0.0219	2.3639	0.0159	2.3798	0.6279	0.0147	0.6426	0.0000	1,976.3915	1,976.3915	0.0567	0.0000	1,977.8092
Total	**1.4362**	**13.9084**	**10.7381**	**0.0585**	**3.2482**	**0.0392**	**3.2875**	**0.8831**	**0.0370**	**0.9201**	**0.0000**	**5,482.1087**	**5,482.1087**	**0.2858**	**0.0000**	**5,489.2523**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1625	1.4904	1.4172	2.3000e-003		0.0820	0.0820		0.0771	0.0771	0.0000	198.0496	198.0496	0.0478	0.0000	199.2442
Total	**0.1625**	**1.4904**	**1.4172**	**2.3000e-003**		**0.0820**	**0.0820**		**0.0771**	**0.0771**	**0.0000**	**198.0496**	**198.0496**	**0.0478**	**0.0000**	**199.2442**

3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3601	13.1319	2.6771	0.0366	0.8843	0.0233	0.9077	0.2552	0.0223	0.2775	0.0000	3,505.7171	3,505.7171	0.2290	0.0000	3,511.4432
Worker	1.0762	0.7764	8.0610	0.0219	2.3639	0.0159	2.3798	0.6279	0.0147	0.6426	0.0000	1,976.3915	1,976.3915	0.0567	0.0000	1,977.8092
Total	**1.4362**	**13.9084**	**10.7381**	**0.0585**	**3.2482**	**0.0392**	**3.2875**	**0.8831**	**0.0370**	**0.9201**	**0.0000**	**5,482.1087**	**5,482.1087**	**0.2858**	**0.0000**	**5,489.2523**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.9618	0.5178	8.7000e-004		0.0494	0.0494		0.0460	0.0460	0.0000	80.1011	80.1011	0.0219	0.0000	80.6486
Total	**0.0923**	**0.9618**	**0.5178**	**8.7000e-004**		**0.0494**	**0.0494**		**0.0460**	**0.0460**	**0.0000**	**80.1011**	**80.1011**	**0.0219**	**0.0000**	**80.6486**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.4700e-003	0.0146	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.5814	2.5814	1.1000e-004	0.0000	2.5840
Total	**1.7900e-003**	**1.4700e-003**	**0.0146**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.5814**	**2.5814**	**1.1000e-004**	**0.0000**	**2.5840**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.9618	0.5178	8.7000e-004		0.0494	0.0494		0.0460	0.0460	0.0000	80.1010	80.1010	0.0219	0.0000	80.6485
Total	**0.0923**	**0.9618**	**0.5178**	**8.7000e-004**		**0.0494**	**0.0494**		**0.0460**	**0.0460**	**0.0000**	**80.1010**	**80.1010**	**0.0219**	**0.0000**	**80.6485**

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.4700e-003	0.0146	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.5814	2.5814	1.1000e-004	0.0000	2.5840
Total	**1.7900e-003**	**1.4700e-003**	**0.0146**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.5814**	**2.5814**	**1.1000e-004**	**0.0000**	**2.5840**

3.4 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4853	5.0011	2.9107	5.0700e-003		0.2530	0.2530		0.2355	0.2355	0.0000	458.3692	458.3692	0.1263	0.0000	461.5263
Total	**0.4853**	**5.0011**	**2.9107**	**5.0700e-003**		**0.2530**	**0.2530**		**0.2355**	**0.2355**	**0.0000**	**458.3692**	**458.3692**	**0.1263**	**0.0000**	**461.5263**

3.4 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4853	5.0011	2.9107	5.0700e-003		0.2530	0.2530		0.2355	0.2355	0.0000	458.3686	458.3686	0.1263	0.0000	461.5258
Total	**0.4853**	**5.0011**	**2.9107**	**5.0700e-003**		**0.2530**	**0.2530**		**0.2355**	**0.2355**	**0.0000**	**458.3686**	**458.3686**	**0.1263**	**0.0000**	**461.5258**

3.4 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

3.4 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4585	4.6697	2.8788	5.0600e-003		0.2342	0.2342		0.2179	0.2179	0.0000	451.8736	451.8736	0.1257	0.0000	455.0163
Total	**0.4585**	**4.6697**	**2.8788**	**5.0600e-003**		**0.2342**	**0.2342**		**0.2179**	**0.2179**	**0.0000**	**451.8736**	**451.8736**	**0.1257**	**0.0000**	**455.0163**

3.4 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4585	4.6697	2.8788	5.0600e-003		0.2342	0.2342		0.2179	0.2179	0.0000	451.8731	451.8731	0.1257	0.0000	455.0157
Total	**0.4585**	**4.6697**	**2.8788**	**5.0600e-003**		**0.2342**	**0.2342**		**0.2179**	**0.2179**	**0.0000**	**451.8731**	**451.8731**	**0.1257**	**0.0000**	**455.0157**

3.4 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

3.4 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4339	4.3493	2.8497	5.0800e-003		0.2173	0.2173		0.2020	0.2020	0.0000	445.3818	445.3818	0.1257	0.0000	448.5250
Total	**0.4339**	**4.3493**	**2.8497**	**5.0800e-003**		**0.2173**	**0.2173**		**0.2020**	**0.2020**	**0.0000**	**445.3818**	**445.3818**	**0.1257**	**0.0000**	**448.5250**

3.4 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4339	4.3493	2.8497	5.0800e-003		0.2173	0.2173		0.2020	0.2020	0.0000	445.3812	445.3812	0.1257	0.0000	448.5244
Total	**0.4339**	**4.3493**	**2.8497**	**5.0800e-003**		**0.2173**	**0.2173**		**0.2020**	**0.2020**	**0.0000**	**445.3812**	**445.3812**	**0.1257**	**0.0000**	**448.5244**

3.4 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

3.4 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2706	2.6882	1.8438	3.3200e-003		0.1326	0.1326		0.1232	0.1232	0.0000	290.7067	290.7067	0.0818	0.0000	292.7523
Total	**0.2706**	**2.6882**	**1.8438**	**3.3200e-003**		**0.1326**	**0.1326**		**0.1232**	**0.1232**	**0.0000**	**290.7067**	**290.7067**	**0.0818**	**0.0000**	**292.7523**

3.4 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-003	3.3900e-003	0.0352	1.0000e-004	0.0103	7.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	8.6406	8.6406	2.5000e-004	0.0000	8.6468
Total	**4.7000e-003**	**3.3900e-003**	**0.0352**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7500e-003**	**6.0000e-005**	**2.8100e-003**	**0.0000**	**8.6406**	**8.6406**	**2.5000e-004**	**0.0000**	**8.6468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2706	2.6882	1.8438	3.3200e-003		0.1326	0.1326		0.1232	0.1232	0.0000	290.7064	290.7064	0.0818	0.0000	292.7519
Total	**0.2706**	**2.6882**	**1.8438**	**3.3200e-003**		**0.1326**	**0.1326**		**0.1232**	**0.1232**	**0.0000**	**290.7064**	**290.7064**	**0.0818**	**0.0000**	**292.7519**

3.4 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-003	3.3900e-003	0.0352	1.0000e-004	0.0103	7.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	8.6406	8.6406	2.5000e-004	0.0000	8.6468
Total	**4.7000e-003**	**3.3900e-003**	**0.0352**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7500e-003**	**6.0000e-005**	**2.8100e-003**	**0.0000**	**8.6406**	**8.6406**	**2.5000e-004**	**0.0000**	**8.6468**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1293	1.5286	0.8726	1.4000e-003		0.0691	0.0691		0.0636	0.0636	0.0000	129.5096	129.5096	0.0397	0.0000	130.5017
Total	**0.1293**	**1.5286**	**0.8726**	**1.4000e-003**	**23.5582**	**0.0691**	**23.6274**	**3.8737**	**0.0636**	**3.9373**	**0.0000**	**129.5096**	**129.5096**	**0.0397**	**0.0000**	**130.5017**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3800e-003	1.9600e-003	0.0194	4.0000e-005	3.6300e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.4418	3.4418	1.4000e-004	0.0000	3.4454
Total	**2.3800e-003**	**1.9600e-003**	**0.0194**	**4.0000e-005**	**3.6300e-003**	**3.0000e-005**	**3.6500e-003**	**9.6000e-004**	**3.0000e-005**	**9.9000e-004**	**0.0000**	**3.4418**	**3.4418**	**1.4000e-004**	**0.0000**	**3.4454**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1293	1.5286	0.8726	1.4000e-003		0.0691	0.0691		0.0636	0.0636	0.0000	129.5095	129.5095	0.0397	0.0000	130.5015
Total	**0.1293**	**1.5286**	**0.8726**	**1.4000e-003**	**23.5582**	**0.0691**	**23.6274**	**3.8737**	**0.0636**	**3.9373**	**0.0000**	**129.5095**	**129.5095**	**0.0397**	**0.0000**	**130.5015**

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3800e-003	1.9600e-003	0.0194	4.0000e-005	3.6300e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.4418	3.4418	1.4000e-004	0.0000	3.4454
Total	**2.3800e-003**	**1.9600e-003**	**0.0194**	**4.0000e-005**	**3.6300e-003**	**3.0000e-005**	**3.6500e-003**	**9.6000e-004**	**3.0000e-005**	**9.9000e-004**	**0.0000**	**3.4418**	**3.4418**	**1.4000e-004**	**0.0000**	**3.4454**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6643	7.7676	4.5792	8.1000e-003		0.3437	0.3437		0.3162	0.3162	0.0000	739.2630	739.2630	0.2301	0.0000	745.0165
Total	**0.6643**	**7.7676**	**4.5792**	**8.1000e-003**	**23.5582**	**0.3437**	**23.9019**	**3.8737**	**0.3162**	**4.1899**	**0.0000**	**739.2630**	**739.2630**	**0.2301**	**0.0000**	**745.0165**

3.5 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0123	9.8900e-003	0.0982	2.2000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7300e-003	0.0000	19.4056	19.4056	7.2000e-004	0.0000	19.4237
Total	**0.0123**	**9.8900e-003**	**0.0982**	**2.2000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7300e-003**	**0.0000**	**19.4056**	**19.4056**	**7.2000e-004**	**0.0000**	**19.4237**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6643	7.7676	4.5792	8.1000e-003		0.3437	0.3437		0.3162	0.3162	0.0000	739.2621	739.2621	0.2301	0.0000	745.0156
Total	**0.6643**	**7.7676**	**4.5792**	**8.1000e-003**	**23.5582**	**0.3437**	**23.9019**	**3.8737**	**0.3162**	**4.1899**	**0.0000**	**739.2621**	**739.2621**	**0.2301**	**0.0000**	**745.0156**

3.5 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0123	9.8900e-003	0.0982	2.2000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7300e-003	0.0000	19.4056	19.4056	7.2000e-004	0.0000	19.4237
Total	**0.0123**	**9.8900e-003**	**0.0982**	**2.2000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7300e-003**	**0.0000**	**19.4056**	**19.4056**	**7.2000e-004**	**0.0000**	**19.4237**

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9022	726.9022	0.2300	0.0000	732.6518
Total	**0.6184**	**7.1149**	**4.3557**	**8.0900e-003**	**23.5582**	**0.3109**	**23.8692**	**3.8737**	**0.2861**	**4.1598**	**0.0000**	**726.9022**	**726.9022**	**0.2300**	**0.0000**	**732.6518**

3.5 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0112	8.6900e-003	0.0868	2.1000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7200e-003	0.0000	18.7464	18.7464	6.4000e-004	0.0000	18.7623
Total	**0.0112**	**8.6900e-003**	**0.0868**	**2.1000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7200e-003**	**0.0000**	**18.7464**	**18.7464**	**6.4000e-004**	**0.0000**	**18.7623**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9014	726.9014	0.2300	0.0000	732.6510
Total	**0.6184**	**7.1149**	**4.3557**	**8.0900e-003**	**23.5582**	**0.3109**	**23.8692**	**3.8737**	**0.2861**	**4.1598**	**0.0000**	**726.9014**	**726.9014**	**0.2300**	**0.0000**	**732.6510**

3.5 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0112	8.6900e-003	0.0868	2.1000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7200e-003	0.0000	18.7464	18.7464	6.4000e-004	0.0000	18.7623
Total	**0.0112**	**8.6900e-003**	**0.0868**	**2.1000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7200e-003**	**0.0000**	**18.7464**	**18.7464**	**6.4000e-004**	**0.0000**	**18.7623**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5830	6.5759	4.1865	8.1200e-003		0.2848	0.2848		0.2620	0.2620	0.0000	713.7442	713.7442	0.2308	0.0000	719.5152
Total	**0.5830**	**6.5759**	**4.1865**	**8.1200e-003**	**23.5582**	**0.2848**	**23.8430**	**3.8737**	**0.2620**	**4.1357**	**0.0000**	**713.7442**	**713.7442**	**0.2308**	**0.0000**	**719.5152**

3.5 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.7400e-003	0.0785	2.0000e-004	0.0211	1.5000e-004	0.0213	5.6100e-003	1.3000e-004	5.7400e-003	0.0000	18.2319	18.2319	5.6000e-004	0.0000	18.2460
Total	**0.0103**	**7.7400e-003**	**0.0785**	**2.0000e-004**	**0.0211**	**1.5000e-004**	**0.0213**	**5.6100e-003**	**1.3000e-004**	**5.7400e-003**	**0.0000**	**18.2319**	**18.2319**	**5.6000e-004**	**0.0000**	**18.2460**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5830	6.5759	4.1865	8.1200e-003		0.2848	0.2848		0.2620	0.2620	0.0000	713.7434	713.7434	0.2308	0.0000	719.5144
Total	**0.5830**	**6.5759**	**4.1865**	**8.1200e-003**	**23.5582**	**0.2848**	**23.8430**	**3.8737**	**0.2620**	**4.1357**	**0.0000**	**713.7434**	**713.7434**	**0.2308**	**0.0000**	**719.5144**

3.5 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.7400e-003	0.0785	2.0000e-004	0.0211	1.5000e-004	0.0213	5.6100e-003	1.3000e-004	5.7400e-003	0.0000	18.2319	18.2319	5.6000e-004	0.0000	18.2460
Total	**0.0103**	**7.7400e-003**	**0.0785**	**2.0000e-004**	**0.0211**	**1.5000e-004**	**0.0213**	**5.6100e-003**	**1.3000e-004**	**5.7400e-003**	**0.0000**	**18.2319**	**18.2319**	**5.6000e-004**	**0.0000**	**18.2460**

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3584	3.9672	2.6401	5.3000e-003		0.1698	0.1698		0.1562	0.1562	0.0000	465.9321	465.9321	0.1507	0.0000	469.6994
Total	**0.3584**	**3.9672**	**2.6401**	**5.3000e-003**	**23.5582**	**0.1698**	**23.7280**	**3.8737**	**0.1562**	**4.0299**	**0.0000**	**465.9321**	**465.9321**	**0.1507**	**0.0000**	**469.6994**

3.5 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2700e-003	4.5300e-003	0.0470	1.3000e-004	0.0138	9.0000e-005	0.0139	3.6600e-003	9.0000e-005	3.7500e-003	0.0000	11.5208	11.5208	3.3000e-004	0.0000	11.5291
Total	**6.2700e-003**	**4.5300e-003**	**0.0470**	**1.3000e-004**	**0.0138**	**9.0000e-005**	**0.0139**	**3.6600e-003**	**9.0000e-005**	**3.7500e-003**	**0.0000**	**11.5208**	**11.5208**	**3.3000e-004**	**0.0000**	**11.5291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3583	3.9672	2.6401	5.3000e-003		0.1698	0.1698		0.1562	0.1562	0.0000	465.9315	465.9315	0.1507	0.0000	469.6988
Total	**0.3583**	**3.9672**	**2.6401**	**5.3000e-003**	**23.5582**	**0.1698**	**23.7280**	**3.8737**	**0.1562**	**4.0299**	**0.0000**	**465.9315**	**465.9315**	**0.1507**	**0.0000**	**469.6988**

3.5 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2700e-003	4.5300e-003	0.0470	1.3000e-004	0.0138	9.0000e-005	0.0139	3.6600e-003	9.0000e-005	3.7500e-003	0.0000	11.5208	11.5208	3.3000e-004	0.0000	11.5291
Total	**6.2700e-003**	**4.5300e-003**	**0.0470**	**1.3000e-004**	**0.0138**	**9.0000e-005**	**0.0139**	**3.6600e-003**	**9.0000e-005**	**3.7500e-003**	**0.0000**	**11.5208**	**11.5208**	**3.3000e-004**	**0.0000**	**11.5291**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0438	0.4662	0.3382	5.1000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	47.5724	47.5724	0.0146	0.0000	47.9368
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0438**	**0.4662**	**0.3382**	**5.1000e-004**		**0.0261**	**0.0261**		**0.0240**	**0.0240**	**0.0000**	**47.5724**	**47.5724**	**0.0146**	**0.0000**	**47.9368**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.4700e-003	0.0146	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.5814	2.5814	1.1000e-004	0.0000	2.5840
Total	**1.7900e-003**	**1.4700e-003**	**0.0146**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.5814**	**2.5814**	**1.1000e-004**	**0.0000**	**2.5840**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0438	0.4662	0.3382	5.1000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	47.5723	47.5723	0.0146	0.0000	47.9367
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0438**	**0.4662**	**0.3382**	**5.1000e-004**		**0.0261**	**0.0261**		**0.0240**	**0.0240**	**0.0000**	**47.5723**	**47.5723**	**0.0146**	**0.0000**	**47.9367**

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.4700e-003	0.0146	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.5814	2.5814	1.1000e-004	0.0000	2.5840
Total	**1.7900e-003**	**1.4700e-003**	**0.0146**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.5814**	**2.5814**	**1.1000e-004**	**0.0000**	**2.5840**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2145	2.2865	1.9309	2.9700e-003		0.1248	0.1248		0.1148	0.1148	0.0000	271.5917	271.5917	0.0846	0.0000	273.7054
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2145**	**2.2865**	**1.9309**	**2.9700e-003**		**0.1248**	**0.1248**		**0.1148**	**0.1148**	**0.0000**	**271.5917**	**271.5917**	**0.0846**	**0.0000**	**273.7054**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2145	2.2865	1.9309	2.9700e-003		0.1248	0.1248		0.1148	0.1148	0.0000	271.5914	271.5914	0.0846	0.0000	273.7051
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2145**	**2.2865**	**1.9309**	**2.9700e-003**		**0.1248**	**0.1248**		**0.1148**	**0.1148**	**0.0000**	**271.5914**	**271.5914**	**0.0846**	**0.0000**	**273.7051**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1898	1.9894	1.9138	2.9800e-003		0.1076	0.1076		0.0990	0.0990	0.0000	267.2011	267.2011	0.0845	0.0000	269.3146
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1898**	**1.9894**	**1.9138**	**2.9800e-003**		**0.1076**	**0.1076**		**0.0990**	**0.0990**	**0.0000**	**267.2011**	**267.2011**	**0.0845**	**0.0000**	**269.3146**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1898	1.9894	1.9138	2.9800e-003		0.1076	0.1076		0.0990	0.0990	0.0000	267.2008	267.2008	0.0845	0.0000	269.3143
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1898**	**1.9894**	**1.9138**	**2.9800e-003**		**0.1076**	**0.1076**		**0.0990**	**0.0990**	**0.0000**	**267.2008**	**267.2008**	**0.0845**	**0.0000**	**269.3143**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.8426	1.9194	2.9900e-003		0.0986	0.0986		0.0907	0.0907	0.0000	262.3697	262.3697	0.0849	0.0000	264.4911
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1777**	**1.8426**	**1.9194**	**2.9900e-003**		**0.0986**	**0.0986**		**0.0907**	**0.0907**	**0.0000**	**262.3697**	**262.3697**	**0.0849**	**0.0000**	**264.4911**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.8426	1.9194	2.9900e-003		0.0986	0.0986		0.0907	0.0907	0.0000	262.3694	262.3694	0.0849	0.0000	264.4908
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1777**	**1.8426**	**1.9194**	**2.9900e-003**		**0.0986**	**0.0986**		**0.0907**	**0.0907**	**0.0000**	**262.3694**	**262.3694**	**0.0849**	**0.0000**	**264.4908**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1074	1.1046	1.2529	1.9500e-003		0.0580	0.0580		0.0533	0.0533	0.0000	171.2008	171.2008	0.0554	0.0000	172.5850
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**1.1046**	**1.2529**	**1.9500e-003**		**0.0580**	**0.0580**		**0.0533**	**0.0533**	**0.0000**	**171.2008**	**171.2008**	**0.0554**	**0.0000**	**172.5850**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-003	3.3900e-003	0.0352	1.0000e-004	0.0103	7.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	8.6406	8.6406	2.5000e-004	0.0000	8.6468
Total	**4.7000e-003**	**3.3900e-003**	**0.0352**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7500e-003**	**6.0000e-005**	**2.8100e-003**	**0.0000**	**8.6406**	**8.6406**	**2.5000e-004**	**0.0000**	**8.6468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1074	1.1046	1.2529	1.9500e-003		0.0580	0.0580		0.0533	0.0533	0.0000	171.2006	171.2006	0.0554	0.0000	172.5848
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1074**	**1.1046**	**1.2529**	**1.9500e-003**		**0.0580**	**0.0580**		**0.0533**	**0.0533**	**0.0000**	**171.2006**	**171.2006**	**0.0554**	**0.0000**	**172.5848**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-003	3.3900e-003	0.0352	1.0000e-004	0.0103	7.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	8.6406	8.6406	2.5000e-004	0.0000	8.6468
Total	**4.7000e-003**	**3.3900e-003**	**0.0352**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7500e-003**	**6.0000e-005**	**2.8100e-003**	**0.0000**	**8.6406**	**8.6406**	**2.5000e-004**	**0.0000**	**8.6468**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1116	1.1762	0.5278	8.6000e-004		0.0648	0.0648		0.0596	0.0596	0.0000	79.5024	79.5024	0.0244	0.0000	80.1114
Total	**0.1116**	**1.1762**	**0.5278**	**8.6000e-004**	**9.0331**	**0.0648**	**9.0979**	**4.9653**	**0.0596**	**5.0249**	**0.0000**	**79.5024**	**79.5024**	**0.0244**	**0.0000**	**80.1114**

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	1.7600e-003	0.0175	3.0000e-005	3.2600e-003	2.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	3.0976	3.0976	1.3000e-004	0.0000	3.1009
Total	**2.1400e-003**	**1.7600e-003**	**0.0175**	**3.0000e-005**	**3.2600e-003**	**2.0000e-005**	**3.2900e-003**	**8.7000e-004**	**2.0000e-005**	**8.9000e-004**	**0.0000**	**3.0976**	**3.0976**	**1.3000e-004**	**0.0000**	**3.1009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1116	1.1762	0.5278	8.6000e-004		0.0648	0.0648		0.0596	0.0596	0.0000	79.5023	79.5023	0.0244	0.0000	80.1113
Total	**0.1116**	**1.1762**	**0.5278**	**8.6000e-004**	**9.0331**	**0.0648**	**9.0979**	**4.9653**	**0.0596**	**5.0249**	**0.0000**	**79.5023**	**79.5023**	**0.0244**	**0.0000**	**80.1113**

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1400e-003	1.7600e-003	0.0175	3.0000e-005	3.2600e-003	2.0000e-005	3.2900e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	3.0976	3.0976	1.3000e-004	0.0000	3.1009
Total	**2.1400e-003**	**1.7600e-003**	**0.0175**	**3.0000e-005**	**3.2600e-003**	**2.0000e-005**	**3.2900e-003**	**8.7000e-004**	**2.0000e-005**	**8.9000e-004**	**0.0000**	**3.0976**	**3.0976**	**1.3000e-004**	**0.0000**	**3.1009**

3.7 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5954	6.2899	2.9332	4.9600e-003		0.3363	0.3363		0.3094	0.3094	0.0000	453.6168	453.6168	0.1412	0.0000	457.1472
Total	**0.5954**	**6.2899**	**2.9332**	**4.9600e-003**	**9.0331**	**0.3363**	**9.3694**	**4.9653**	**0.3094**	**5.2747**	**0.0000**	**453.6168**	**453.6168**	**0.1412**	**0.0000**	**457.1472**

3.7 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	8.9000e-003	0.0884	1.9000e-004	0.0189	1.4000e-004	0.0191	5.0300e-003	1.3000e-004	5.1600e-003	0.0000	17.4651	17.4651	6.5000e-004	0.0000	17.4814
Total	**0.0111**	**8.9000e-003**	**0.0884**	**1.9000e-004**	**0.0189**	**1.4000e-004**	**0.0191**	**5.0300e-003**	**1.3000e-004**	**5.1600e-003**	**0.0000**	**17.4651**	**17.4651**	**6.5000e-004**	**0.0000**	**17.4814**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5954	6.2899	2.9332	4.9600e-003		0.3363	0.3363		0.3094	0.3094	0.0000	453.6163	453.6163	0.1412	0.0000	457.1467
Total	**0.5954**	**6.2899**	**2.9332**	**4.9600e-003**	**9.0331**	**0.3363**	**9.3694**	**4.9653**	**0.3094**	**5.2747**	**0.0000**	**453.6163**	**453.6163**	**0.1412**	**0.0000**	**457.1467**

3.7 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0111	8.9000e-003	0.0884	1.9000e-004	0.0189	1.4000e-004	0.0191	5.0300e-003	1.3000e-004	5.1600e-003	0.0000	17.4651	17.4651	6.5000e-004	0.0000	17.4814
Total	**0.0111**	**8.9000e-003**	**0.0884**	**1.9000e-004**	**0.0189**	**1.4000e-004**	**0.0191**	**5.0300e-003**	**1.3000e-004**	**5.1600e-003**	**0.0000**	**17.4651**	**17.4651**	**6.5000e-004**	**0.0000**	**17.4814**

3.7 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5657	5.9472	2.8792	4.9600e-003		0.3119	0.3119		0.2870	0.2870	0.0000	445.9014	445.9014	0.1411	0.0000	449.4283
Total	**0.5657**	**5.9472**	**2.8792**	**4.9600e-003**	**9.0331**	**0.3119**	**9.3451**	**4.9653**	**0.2870**	**5.2523**	**0.0000**	**445.9014**	**445.9014**	**0.1411**	**0.0000**	**449.4283**

3.7 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	7.8200e-003	0.0782	1.9000e-004	0.0189	1.3000e-004	0.0191	5.0300e-003	1.2000e-004	5.1500e-003	0.0000	16.8718	16.8718	5.7000e-004	0.0000	16.8860
Total	**0.0101**	**7.8200e-003**	**0.0782**	**1.9000e-004**	**0.0189**	**1.3000e-004**	**0.0191**	**5.0300e-003**	**1.2000e-004**	**5.1500e-003**	**0.0000**	**16.8718**	**16.8718**	**5.7000e-004**	**0.0000**	**16.8860**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5657	5.9472	2.8792	4.9600e-003		0.3119	0.3119		0.2870	0.2870	0.0000	445.9008	445.9008	0.1411	0.0000	449.4278
Total	**0.5657**	**5.9472**	**2.8792**	**4.9600e-003**	**9.0331**	**0.3119**	**9.3451**	**4.9653**	**0.2870**	**5.2523**	**0.0000**	**445.9008**	**445.9008**	**0.1411**	**0.0000**	**449.4278**

3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	7.8200e-003	0.0782	1.9000e-004	0.0189	1.3000e-004	0.0191	5.0300e-003	1.2000e-004	5.1500e-003	0.0000	16.8718	16.8718	5.7000e-004	0.0000	16.8860
Total	**0.0101**	**7.8200e-003**	**0.0782**	**1.9000e-004**	**0.0189**	**1.3000e-004**	**0.0191**	**5.0300e-003**	**1.2000e-004**	**5.1500e-003**	**0.0000**	**16.8718**	**16.8718**	**5.7000e-004**	**0.0000**	**16.8860**

3.7 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	5.5567	2.8183	4.9800e-003		0.2879	0.2879		0.2648	0.2648	0.0000	437.9419	437.9419	0.1416	0.0000	441.4829
Total	**0.5340**	**5.5567**	**2.8183**	**4.9800e-003**	**9.0331**	**0.2879**	**9.3210**	**4.9653**	**0.2648**	**5.2302**	**0.0000**	**437.9419**	**437.9419**	**0.1416**	**0.0000**	**441.4829**

3.7 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-003	6.9700e-003	0.0706	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.4087	16.4087	5.1000e-004	0.0000	16.4214
Total	**9.3000e-003**	**6.9700e-003**	**0.0706**	**1.8000e-004**	**0.0190**	**1.3000e-004**	**0.0191**	**5.0500e-003**	**1.2000e-004**	**5.1700e-003**	**0.0000**	**16.4087**	**16.4087**	**5.1000e-004**	**0.0000**	**16.4214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	5.5567	2.8183	4.9800e-003		0.2879	0.2879		0.2648	0.2648	0.0000	437.9414	437.9414	0.1416	0.0000	441.4824
Total	**0.5340**	**5.5567**	**2.8183**	**4.9800e-003**	**9.0331**	**0.2879**	**9.3210**	**4.9653**	**0.2648**	**5.2302**	**0.0000**	**437.9414**	**437.9414**	**0.1416**	**0.0000**	**441.4824**

3.7 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-003	6.9700e-003	0.0706	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.4087	16.4087	5.1000e-004	0.0000	16.4214
Total	**9.3000e-003**	**6.9700e-003**	**0.0706**	**1.8000e-004**	**0.0190**	**1.3000e-004**	**0.0191**	**5.0500e-003**	**1.2000e-004**	**5.1700e-003**	**0.0000**	**16.4087**	**16.4087**	**5.1000e-004**	**0.0000**	**16.4214**

3.7 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3324	3.4625	1.8087	3.2500e-003		0.1748	0.1748		0.1608	0.1608	0.0000	285.8754	285.8754	0.0925	0.0000	288.1868
Total	**0.3324**	**3.4625**	**1.8087**	**3.2500e-003**	**9.0331**	**0.1748**	**9.2079**	**4.9653**	**0.1608**	**5.1262**	**0.0000**	**285.8754**	**285.8754**	**0.0925**	**0.0000**	**288.1868**

3.7 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6500e-003	4.0700e-003	0.0423	1.1000e-004	0.0124	8.0000e-005	0.0125	3.2900e-003	8.0000e-005	3.3700e-003	0.0000	10.3687	10.3687	3.0000e-004	0.0000	10.3762
Total	**5.6500e-003**	**4.0700e-003**	**0.0423**	**1.1000e-004**	**0.0124**	**8.0000e-005**	**0.0125**	**3.2900e-003**	**8.0000e-005**	**3.3700e-003**	**0.0000**	**10.3687**	**10.3687**	**3.0000e-004**	**0.0000**	**10.3762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3324	3.4625	1.8087	3.2500e-003		0.1748	0.1748		0.1608	0.1608	0.0000	285.8750	285.8750	0.0925	0.0000	288.1865
Total	**0.3324**	**3.4625**	**1.8087**	**3.2500e-003**	**9.0331**	**0.1748**	**9.2079**	**4.9653**	**0.1608**	**5.1262**	**0.0000**	**285.8750**	**285.8750**	**0.0925**	**0.0000**	**288.1865**

3.7 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6500e-003	4.0700e-003	0.0423	1.1000e-004	0.0124	8.0000e-005	0.0125	3.2900e-003	8.0000e-005	3.3700e-003	0.0000	10.3687	10.3687	3.0000e-004	0.0000	10.3762
Total	**5.6500e-003**	**4.0700e-003**	**0.0423**	**1.1000e-004**	**0.0124**	**8.0000e-005**	**0.0125**	**3.2900e-003**	**8.0000e-005**	**3.3700e-003**	**0.0000**	**10.3687**	**10.3687**	**3.0000e-004**	**0.0000**	**10.3762**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	50.1893	354.5048	689.5107	3.2666	279.9973	1.9835	281.9808	75.0236	1.8474	76.8711	0.0000	303,292.0378	303,292.0378	12.9508	0.0000	303,615.8066
Unmitigated	50.1893	354.5048	689.5107	3.2666	279.9973	1.9835	281.9808	75.0236	1.8474	76.8711	0.0000	303,292.0378	303,292.0378	12.9508	0.0000	303,615.8066

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	18,193.83	4,595.16	1961.35	33,294,606	33,294,606
Industrial Park	18,085.25	9,079.09	2661.74	444,948,278	444,948,278
Regional Shopping Center	143,038.53	189,341.33	95636.88	250,514,908	250,514,908
Single Family Housing	2,405.78	2,447.77	2129.14	6,737,499	6,737,499
Total	181,723.39	205,463.34	102,389.11	735,495,291	735,495,291

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	33,591.6572	33,591.6572	1.3868	0.2869	33,711.8323
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	33,591.6572	33,591.6572	1.3868	0.2869	33,711.8323
NaturalGas Mitigated	0.1988	1.7801	1.3202	0.0108		0.1373	0.1373		0.1373	0.1373	0.0000	1,967.2224	1,967.2224	0.0377	0.0361	1,978.9126
NaturalGas Unmitigated	0.1988	1.7801	1.3202	0.0108		0.1373	0.1373		0.1373	0.1373	0.0000	1,967.2224	1,967.2224	0.0377	0.0361	1,978.9126

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6.51915e+006	0.0352	0.3196	0.2684	1.9200e-003		0.0243	0.0243		0.0243	0.0243	0.0000	347.8864	347.8864	6.6700e-003	6.3800e-003	349.9538
Industrial Park	1.27253e+007	0.0686	0.6238	0.5240	3.7400e-003		0.0474	0.0474		0.0474	0.0474	0.0000	679.0701	679.0701	0.0130	0.0125	683.1055
Regional Shopping Center	8.4497e+006	0.0456	0.4142	0.3479	2.4900e-003		0.0315	0.0315		0.0315	0.0315	0.0000	450.9079	450.9079	8.6400e-003	8.2700e-003	453.5874
Single Family Housing	9.17022e+006	0.0495	0.4226	0.1798	2.7000e-003		0.0342	0.0342		0.0342	0.0342	0.0000	489.3579	489.3579	9.3800e-003	8.9700e-003	492.2659
Total		**0.1988**	**1.7801**	**1.3202**	**0.0109**		**0.1373**	**0.1373**		**0.1373**	**0.1373**	**0.0000**	**1,967.2224**	**1,967.2224**	**0.0377**	**0.0361**	**1,978.9126**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6.51915e+006	0.0352	0.3196	0.2684	1.9200e-003		0.0243	0.0243		0.0243	0.0243	0.0000	347.8864	347.8864	6.6700e-003	6.3800e-003	349.9538
Industrial Park	1.27253e+007	0.0686	0.6238	0.5240	3.7400e-003		0.0474	0.0474		0.0474	0.0474	0.0000	679.0701	679.0701	0.0130	0.0125	683.1055
Regional Shopping Center	8.4497e+006	0.0456	0.4142	0.3479	2.4900e-003		0.0315	0.0315		0.0315	0.0315	0.0000	450.9079	450.9079	8.6400e-003	8.2700e-003	453.5874
Single Family Housing	9.17022e+006	0.0495	0.4226	0.1798	2.7000e-003		0.0342	0.0342		0.0342	0.0342	0.0000	489.3579	489.3579	9.3800e-003	8.9700e-003	492.2659
Total		**0.1988**	**1.7801**	**1.3202**	**0.0109**		**0.1373**	**0.1373**		**0.1373**	**0.1373**	**0.0000**	**1,967.2224**	**1,967.2224**	**0.0377**	**0.0361**	**1,978.9126**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.82312e+007	5,808.8484	0.2398	0.0496	5,829.6297
Industrial Park	3.55871e+007	11,338.8024	0.4681	0.0969	11,379.3673
Regional Shopping Center	4.92962e+007	15,706.8267	0.6485	0.1342	15,763.0184
Single Family Housing	2.31365e+006	737.1797	0.0304	6.3000e-003	739.8170
Total		**33,591.6572**	**1.3868**	**0.2869**	**33,711.8323**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.82312e+007	5,808.8484	0.2398	0.0496	5,829.6297
Industrial Park	3.55871e+007	11,338.8024	0.4681	0.0969	11,379.3673
Regional Shopping Center	4.92962e+007	15,706.8267	0.6485	0.1342	15,763.0184
Single Family Housing	2.31365e+006	737.1797	0.0304	6.3000e-003	739.8170
Total		**33,591.6572**	**1.3868**	**0.2869**	**33,711.8323**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	65.1071	0.3245	21.0485	0.0348		2.6928	2.6928		2.6928	2.6928	255.1406	110.1643	365.3048	0.2388	0.0201	377.2542
Unmitigated	65.1071	0.3245	21.0485	0.0348		2.6928	2.6928		2.6928	2.6928	255.1406	110.1643	365.3048	0.2388	0.0201	377.2542

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	11.4757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	38.0703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	15.4983	0.3027	19.1310	0.0347		2.6824	2.6824		2.6824	2.6824	255.1406	107.0022	362.1428	0.2355	0.0201	374.0096
Landscaping	0.0629	0.0219	1.9175	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.1621	3.1621	3.3000e-003	0.0000	3.2446
Total	**65.1071**	**0.3245**	**21.0485**	**0.0348**		**2.6928**	**2.6928**		**2.6928**	**2.6928**	**255.1406**	**110.1643**	**365.3048**	**0.2388**	**0.0201**	**377.2542**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	11.4757					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	38.0703					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	15.4983	0.3027	19.1310	0.0347		2.6824	2.6824		2.6824	2.6824	255.1406	107.0022	362.1428	0.2355	0.0201	374.0096
Landscaping	0.0629	0.0219	1.9175	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.1621	3.1621	3.3000e-003	0.0000	3.2446
Total	**65.1071**	**0.3245**	**21.0485**	**0.0348**		**2.6928**	**2.6928**		**2.6928**	**2.6928**	**255.1406**	**110.1643**	**365.3048**	**0.2388**	**0.0201**	**377.2542**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7,938.9096	48.2719	1.1963	9,502.2174
Unmitigated	7,938.9096	48.2719	1.1963	9,502.2174

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	331.998 / 203.482	2,203.0142	10.9048	0.2734	2,557.0936
Industrial Park	843.188 / 0	3,765.6990	27.6197	0.6786	4,658.4245
Regional Shopping Center	280.668 / 172.022	1,862.4102	9.2188	0.2311	2,161.7461
Single Family Housing	16.093 / 10.1456	107.7862	0.5286	0.0133	124.9532
Total		**7,938.9096**	**48.2719**	**1.1963**	**9,502.2174**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	331.998 / 203.482	2,203.0142	10.9048	0.2734	2,557.0936
Industrial Park	843.188 / 0	3,765.6990	27.6197	0.6786	4,658.4245
Regional Shopping Center	280.668 / 172.022	1,862.4102	9.2188	0.2311	2,161.7461
Single Family Housing	16.093 / 10.1456	107.7862	0.5286	0.0133	124.9532
Total		**7,938.9096**	**48.2719**	**1.1963**	**9,502.2174**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,136.7884	126.2806	0.0000	5,293.8029
Unmitigated	2,136.7884	126.2806	0.0000	5,293.8029

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1737.19	352.6339	20.8401	0.0000	873.6355
Industrial Park	4521.31	917.7851	54.2395	0.0000	2,273.7737
Regional Shopping Center	3978.56	807.6117	47.7285	0.0000	2,000.8239
Single Family Housing	289.46	58.7578	3.4725	0.0000	145.5699
Total		**2,136.7884**	**126.2806**	**0.0000**	**5,293.8029**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1737.19	352.6339	20.8401	0.0000	873.6355
Industrial Park	4521.31	917.7851	54.2395	0.0000	2,273.7737
Regional Shopping Center	3978.56	807.6117	47.7285	0.0000	2,000.8239
Single Family Housing	289.46	58.7578	3.4725	0.0000	145.5699
Total		**2,136.7884**	**126.2806**	**0.0000**	**5,293.8029**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AV Annexation 2017

San Bernardino-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	247.00	Dwelling Unit	263.00	444,600.00	706
Regional Shopping Center	3,789.10	1000sqft	424.00	3,789,101.00	0
General Office Building	1,867.95	1000sqft	209.00	1,867,950.00	0
Industrial Park	3,646.22	1000sqft	408.00	3,646,216.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Proposed 2017 Annexation area (Golden Triangle Area).

Construction Phase - GP buildout is 2025.

Off-road Equipment -

Vehicle Trips - Trip rates provided by project Traffic Report.

AV Annexation 2017 - San Bernardino-Mojave Desert County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblConstructionPhase	PhaseEndDate	10/29/2017	8/27/2021
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	BuildingSpaceSquareFeet	3,646,220.00	3,646,216.00
tblLandUse	LandUseSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LandUseSquareFeet	3,646,220.00	3,646,216.00
tblLandUse	LotAcreage	80.19	263.00
tblLandUse	LotAcreage	86.99	424.00
tblLandUse	LotAcreage	42.88	209.00
tblLandUse	LotAcreage	83.71	408.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00
tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74

tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	281.6781	436.9509	345.8670	0.9698	110.0695	13.3101	123.3796	29.8224	12.3842	42.2066	0.0000	99,297.4850	99,297.4850	10.6237	0.0000	99,563.0782
2018	275.9099	397.8407	311.6813	0.9585	110.0693	11.4115	121.4808	29.8224	10.6141	40.4364	0.0000	97,935.8586	97,935.8586	10.2676	0.0000	98,192.5493
2019	271.8974	368.8377	286.6611	0.9420	110.0691	10.2426	120.3117	29.8223	9.5219	39.3442	0.0000	96,035.2504	96,035.2504	10.0210	0.0000	96,285.7743
2020	268.3280	338.1476	265.8491	0.9285	110.0689	9.0473	119.1162	29.8222	8.4005	38.2227	0.0000	94,335.2186	94,335.2186	9.7293	0.0000	94,578.4505
2021	265.4049	311.3829	249.9255	0.9160	110.0687	7.8156	117.8843	29.8221	7.2413	37.0634	0.0000	93,103.6121	93,103.6121	9.5265	0.0000	93,341.7749
Maximum	**281.6781**	**436.9509**	**345.8670**	**0.9698**	**110.0695**	**13.3101**	**123.3796**	**29.8224**	**12.3842**	**42.2066**	**0.0000**	**99,297.4850**	**99,297.4850**	**10.6237**	**0.0000**	**99,563.0782**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	281.6781	436.9509	345.8670	0.9698	110.0695	13.3101	123.3796	29.8224	12.3842	42.2066	0.0000	99,297.4850	99,297.4850	10.6237	0.0000	99,563.0782
2018	275.9099	397.8407	311.6813	0.9585	110.0693	11.4115	121.4808	29.8224	10.6141	40.4364	0.0000	97,935.8585	97,935.8585	10.2676	0.0000	98,192.5492
2019	271.8974	368.8377	286.6611	0.9420	110.0691	10.2426	120.3117	29.8223	9.5219	39.3442	0.0000	96,035.2504	96,035.2504	10.0210	0.0000	96,285.7742
2020	268.3280	338.1476	265.8491	0.9285	110.0689	9.0473	119.1162	29.8222	8.4005	38.2227	0.0000	94,335.2186	94,335.2186	9.7293	0.0000	94,578.4505
2021	265.4049	311.3829	249.9255	0.9160	110.0687	7.8156	117.8843	29.8221	7.2413	37.0634	0.0000	93,103.6121	93,103.6121	9.5265	0.0000	93,341.7748
Maximum	**281.6781**	**436.9509**	**345.8670**	**0.9698**	**110.0695**	**13.3101**	**123.3796**	**29.8224**	**12.3842**	**42.2066**	**0.0000**	**99,297.4850**	**99,297.4850**	**10.6237**	**0.0000**	**99,563.0782**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266
Energy	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548
Mobile	363.5594	2,466.2437	4,671.2307	22.4286	1,990.2980	13.9282	2,004.2263	532.4526	12.9735	545.4261		2,295,768.3282	2,295,768.3282	102.4969		2,298,330.7501
Total	**1,014.8393**	**2,483.6229**	**5,166.3796**	**23.3345**	**1,990.2980**	**80.2202**	**2,070.5182**	**532.4526**	**79.2655**	**611.7180**	**6,859.6175**	**2,310,566.0254**	**2,317,425.6429**	**109.0953**	**0.7574**	**2,320,378.7315**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266
Energy	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548
Mobile	363.5594	2,466.2437	4,671.2307	22.4286	1,990.2980	13.9282	2,004.2263	532.4526	12.9735	545.4261		2,295,768.3282	2,295,768.3282	102.4969		2,298,330.7501
Total	**1,014.8393**	**2,483.6229**	**5,166.3796**	**23.3345**	**1,990.2980**	**80.2202**	**2,070.5182**	**532.4526**	**79.2655**	**611.7180**	**6,859.6175**	**2,310,566.0254**	**2,317,425.6429**	**109.0953**	**0.7574**	**2,320,378.7315**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	10/30/2017	8/27/2021	5	1000	
2	Building Construction	Building Construction	10/30/2017	8/27/2021	5	1000	
3	Demolition	Demolition	10/30/2017	8/27/2021	5	1000	
4	Grading	Grading	10/30/2017	8/27/2021	5	1000	
5	Paving	Paving	10/30/2017	8/27/2021	5	1000	
6	Site Preparation	Site Preparation	10/30/2017	8/27/2021	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 900,315; Residential Outdoor: 300,105; Non-Residential Indoor: 13,954,901; Non-Residential Outdoor: 4,651,634; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

AV Annexation 2017 - San Bernardino-Mojave Desert County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	686.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,431.00	1,551.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733		281.4481	281.4481	0.0297		282.1909
Total	**229.8454**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**		**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9770	2.8433	28.1807	0.0570	5.6353	0.0420	5.6773	1.4948	0.0387	1.5335		5,660.5454	5,660.5454	0.2335		5,666.3819
Total	**3.9770**	**2.8433**	**28.1807**	**0.0570**	**5.6353**	**0.0420**	**5.6773**	**1.4948**	**0.0387**	**1.5335**		**5,660.5454**	**5,660.5454**	**0.2335**		**5,666.3819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3323	2.1850	1.8681	2.9700e-003		0.1733	0.1733		0.1733	0.1733	0.0000	281.4481	281.4481	0.0297		282.1909
Total	**229.8454**	**2.1850**	**1.8681**	**2.9700e-003**		**0.1733**	**0.1733**		**0.1733**	**0.1733**	**0.0000**	**281.4481**	**281.4481**	**0.0297**		**282.1909**

3.2 Architectural Coating - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9770	2.8433	28.1807	0.0570	5.6353	0.0420	5.6773	1.4948	0.0387	1.5335		5,660.5454	5,660.5454	0.2335		5,666.3819
Total	**3.9770**	**2.8433**	**28.1807**	**0.0570**	**5.6353**	**0.0420**	**5.6773**	**1.4948**	**0.0387**	**1.5335**		**5,660.5454**	**5,660.5454**	**0.2335**		**5,666.3819**

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**229.8117**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5523	2.4724	24.6103	0.0553	5.6353	0.0404	5.6757	1.4948	0.0372	1.5320		5,502.3804	5,502.3804	0.2041		5,507.4832
Total	**3.5523**	**2.4724**	**24.6103**	**0.0553**	**5.6353**	**0.0404**	**5.6757**	**1.4948**	**0.0372**	**1.5320**		**5,502.3804**	**5,502.3804**	**0.2041**		**5,507.4832**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**229.8117**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.2 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5523	2.4724	24.6103	0.0553	5.6353	0.0404	5.6757	1.4948	0.0372	1.5320		5,502.3804	5,502.3804	0.2041		5,507.4832
Total	**3.5523**	**2.4724**	**24.6103**	**0.0553**	**5.6353**	**0.0404**	**5.6757**	**1.4948**	**0.0372**	**1.5320**		**5,502.3804**	**5,502.3804**	**0.2041**		**5,507.4832**

3.2 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**229.7795**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.2309	2.1716	21.7799	0.0534	5.6353	0.0391	5.6744	1.4948	0.0360	1.5308		5,315.4547	5,315.4547	0.1790		5,319.9304
Total	**3.2309**	**2.1716**	**21.7799**	**0.0534**	**5.6353**	**0.0391**	**5.6744**	**1.4948**	**0.0360**	**1.5308**		**5,315.4547**	**5,315.4547**	**0.1790**		**5,319.9304**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**229.7795**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.2 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.2309	2.1716	21.7799	0.0534	5.6353	0.0391	5.6744	1.4948	0.0360	1.5308		5,315.4547	5,315.4547	0.1790		5,319.9304
Total	**3.2309**	**2.1716**	**21.7799**	**0.0534**	**5.6353**	**0.0391**	**5.6744**	**1.4948**	**0.0360**	**1.5308**		**5,315.4547**	**5,315.4547**	**0.1790**		**5,319.9304**

3.2 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**229.7553**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9772	1.9268	19.6035	0.0517	5.6353	0.0381	5.6735	1.4948	0.0351	1.5299		5,149.8244	5,149.8244	0.1578		5,153.7687
Total	**2.9772**	**1.9268**	**19.6035**	**0.0517**	**5.6353**	**0.0381**	**5.6735**	**1.4948**	**0.0351**	**1.5299**		**5,149.8244**	**5,149.8244**	**0.1578**		**5,153.7687**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**229.7553**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9772	1.9268	19.6035	0.0517	5.6353	0.0381	5.6735	1.4948	0.0351	1.5299		5,149.8244	5,149.8244	0.1578		5,153.7687
Total	**2.9772**	**1.9268**	**19.6035**	**0.0517**	**5.6353**	**0.0381**	**5.6735**	**1.4948**	**0.0351**	**1.5299**		**5,149.8244**	**5,149.8244**	**0.1578**		**5,153.7687**

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**229.7320**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.7726	1.7258	17.9901	0.0501	5.6353	0.0372	5.6725	1.4948	0.0343	1.5290		4,986.0484	4,986.0484	0.1423		4,989.6065
Total	**2.7726**	**1.7258**	**17.9901**	**0.0501**	**5.6353**	**0.0372**	**5.6725**	**1.4948**	**0.0343**	**1.5290**		**4,986.0484**	**4,986.0484**	**0.1423**		**4,989.6065**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	229.5131					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**229.7320**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.2 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.7726	1.7258	17.9901	0.0501	5.6353	0.0372	5.6725	1.4948	0.0343	1.5290		4,986.0484	4,986.0484	0.1423		4,989.6065
Total	**2.7726**	**1.7258**	**17.9901**	**0.0501**	**5.6353**	**0.0372**	**5.6725**	**1.4948**	**0.0343**	**1.5290**		**4,986.0484**	**4,986.0484**	**0.1423**		**4,989.6065**

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791		2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**		**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6984	207.1855	53.6158	0.4307	10.5080	1.7890	12.2969	3.0254	1.7114	4.7369		45,337.6641	45,337.6641	3.5921		45,427.4672
Worker	19.8910	14.2205	140.9445	0.2849	28.1849	0.2099	28.3947	7.4759	0.1936	7.6695		28,310.9783	28,310.9783	1.1676		28,340.1695
Total	**27.5894**	**221.4059**	**194.5603**	**0.7157**	**38.6928**	**1.9988**	**40.6916**	**10.5014**	**1.9050**	**12.4064**		**73,648.6424**	**73,648.6424**	**4.7598**		**73,767.6367**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1149	26.5546	18.1825	0.0269		1.7879	1.7879		1.6791	1.6791	0.0000	2,650.9797	2,650.9797	0.6531		2,667.3078
Total	**3.1149**	**26.5546**	**18.1825**	**0.0269**		**1.7879**	**1.7879**		**1.6791**	**1.6791**	**0.0000**	**2,650.9797**	**2,650.9797**	**0.6531**		**2,667.3078**

3.3 Building Construction - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	7.6984	207.1855	53.6158	0.4307	10.5080	1.7890	12.2969	3.0254	1.7114	4.7369		45,337.6641	45,337.6641	3.5921		45,427.4672
Worker	19.8910	14.2205	140.9445	0.2849	28.1849	0.2099	28.3947	7.4759	0.1936	7.6695		28,310.9783	28,310.9783	1.1676		28,340.1695
Total	**27.5894**	**221.4059**	**194.5603**	**0.7157**	**38.6928**	**1.9988**	**40.6916**	**10.5014**	**1.9050**	**12.4064**		**73,648.6424**	**73,648.6424**	**4.7598**		**73,767.6367**

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.7323	193.7978	47.4434	0.4294	10.5078	1.4093	11.9170	3.0254	1.3482	4.3735		45,223.8387	45,223.8387	3.4358		45,309.7346
Worker	17.7665	12.3657	123.0874	0.2767	28.1849	0.2021	28.3869	7.4759	0.1862	7.6622		27,519.9229	27,519.9229	1.0209		27,545.4445
Total	**24.4988**	**206.1635**	**170.5308**	**0.7061**	**38.6926**	**1.6113**	**40.3039**	**10.5013**	**1.5344**	**12.0357**		**72,743.7616**	**72,743.7616**	**4.4567**		**72,855.1791**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.3 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.7323	193.7978	47.4434	0.4294	10.5078	1.4093	11.9170	3.0254	1.3482	4.3735		45,223.8387	45,223.8387	3.4358		45,309.7346
Worker	17.7665	12.3657	123.0874	0.2767	28.1849	0.2021	28.3869	7.4759	0.1862	7.6622		27,519.9229	27,519.9229	1.0209		27,545.4445
Total	**24.4988**	**206.1635**	**170.5308**	**0.7061**	**38.6926**	**1.6113**	**40.3039**	**10.5013**	**1.5344**	**12.0357**		**72,743.7616**	**72,743.7616**	**4.4567**		**72,855.1791**

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0049	181.5554	42.6213	0.4247	10.5076	1.1929	11.7005	3.0253	1.1412	4.1664		44,754.4752	44,754.4752	3.3635		44,838.5614
Worker	16.1590	10.8613	108.9312	0.2672	28.1849	0.1956	28.3805	7.4759	0.1802	7.6562		26,585.0218	26,585.0218	0.8954		26,607.4069
Total	**22.1639**	**192.4167**	**151.5525**	**0.6918**	**38.6924**	**1.3885**	**40.0809**	**10.5012**	**1.3214**	**11.8226**		**71,339.4969**	**71,339.4969**	**4.2589**		**71,445.9682**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.3 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.0049	181.5554	42.6213	0.4247	10.5076	1.1929	11.7005	3.0253	1.1412	4.1664		44,754.4752	44,754.4752	3.3635		44,838.5614
Worker	16.1590	10.8613	108.9312	0.2672	28.1849	0.1956	28.3805	7.4759	0.1802	7.6562		26,585.0218	26,585.0218	0.8954		26,607.4069
Total	**22.1639**	**192.4167**	**151.5525**	**0.6918**	**38.6924**	**1.3885**	**40.0809**	**10.5012**	**1.3214**	**11.8226**		**71,339.4969**	**71,339.4969**	**4.2589**		**71,445.9682**

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.0953	165.6416	37.6992	0.4215	10.5074	0.8040	11.3113	3.0252	0.7691	3.7943		44,437.3708	44,437.3708	3.2159		44,517.7683
Worker	14.8901	9.6369	98.0462	0.2587	28.1849	0.1907	28.3755	7.4759	0.1756	7.6515		25,756.6290	25,756.6290	0.7891		25,776.3562
Total	**19.9854**	**175.2785**	**135.7453**	**0.6802**	**38.6922**	**0.9946**	**39.6868**	**10.5012**	**0.9447**	**11.4458**		**70,193.9997**	**70,193.9997**	**4.0050**		**70,294.1244**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.0953	165.6416	37.6992	0.4215	10.5074	0.8040	11.3113	3.0252	0.7691	3.7943		44,437.3708	44,437.3708	3.2159		44,517.7683
Worker	14.8901	9.6369	98.0462	0.2587	28.1849	0.1907	28.3755	7.4759	0.1756	7.6515		25,756.6290	25,756.6290	0.7891		25,776.3562
Total	**19.9854**	**175.2785**	**135.7453**	**0.6802**	**38.6922**	**0.9946**	**39.6868**	**10.5012**	**0.9447**	**11.4458**		**70,193.9997**	**70,193.9997**	**4.0050**		**70,294.1244**

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.3576	150.6388	33.5319	0.4191	10.5072	0.2770	10.7842	3.0251	0.2649	3.2900		44,203.1416	44,203.1416	3.1193		44,281.1251
Worker	13.8670	8.6316	89.9766	0.2504	28.1849	0.1861	28.3710	7.4759	0.1714	7.6473		24,937.5102	24,937.5102	0.7118		24,955.3062
Total	**18.2245**	**159.2704**	**123.5085**	**0.6695**	**38.6921**	**0.4631**	**39.1551**	**10.5011**	**0.4363**	**10.9373**		**69,140.6518**	**69,140.6518**	**3.8312**		**69,236.4312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.3576	150.6388	33.5319	0.4191	10.5072	0.2770	10.7842	3.0251	0.2649	3.2900		44,203.1416	44,203.1416	3.1193		44,281.1251
Worker	13.8670	8.6316	89.9766	0.2504	28.1849	0.1861	28.3710	7.4759	0.1714	7.6473		24,937.5102	24,937.5102	0.7118		24,955.3062
Total	**18.2245**	**159.2704**	**123.5085**	**0.6695**	**38.6921**	**0.4631**	**39.1551**	**10.5011**	**0.4363**	**10.9373**		**69,140.6518**	**69,140.6518**	**3.8312**		**69,236.4312**

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.4 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

3.4 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.4 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

3.4 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.4 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

3.4 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.4 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

3.4 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.4 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269		6,344.8863	6,344.8863	1.9441		6,393.4879
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**		**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4879**

3.5 Grading - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1160	0.0829	0.8216	1.6600e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		165.0305	165.0305	6.8100e-003		165.2006
Total	**0.1160**	**0.0829**	**0.8216**	**1.6600e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**165.0305**	**165.0305**	**6.8100e-003**		**165.2006**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.7483	67.9396	38.7826	0.0620		3.0727	3.0727		2.8269	2.8269	0.0000	6,344.8863	6,344.8863	1.9441		6,393.4878
Total	**5.7483**	**67.9396**	**38.7826**	**0.0620**	**47.1165**	**3.0727**	**50.1892**	**7.7475**	**2.8269**	**10.5744**	**0.0000**	**6,344.8863**	**6,344.8863**	**1.9441**		**6,393.4878**

3.5 Grading - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1160	0.0829	0.8216	1.6600e-003	0.1643	1.2200e-003	0.1655	0.0436	1.1300e-003	0.0447		165.0305	165.0305	6.8100e-003		165.2006
Total	**0.1160**	**0.0829**	**0.8216**	**1.6600e-003**	**0.1643**	**1.2200e-003**	**0.1655**	**0.0436**	**1.1300e-003**	**0.0447**		**165.0305**	**165.0305**	**6.8100e-003**		**165.2006**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1036	0.0721	0.7175	1.6100e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		160.4193	160.4193	5.9500e-003		160.5680
Total	**0.1036**	**0.0721**	**0.7175**	**1.6100e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**160.4193**	**160.4193**	**5.9500e-003**		**160.5680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.5 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1036	0.0721	0.7175	1.6100e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		160.4193	160.4193	5.9500e-003		160.5680
Total	**0.1036**	**0.0721**	**0.7175**	**1.6100e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**160.4193**	**160.4193**	**5.9500e-003**		**160.5680**

3.5 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**		**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0633	0.6350	1.5600e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		154.9695	154.9695	5.2200e-003		155.1000
Total	**0.0942**	**0.0633**	**0.6350**	**1.5600e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**154.9695**	**154.9695**	**5.2200e-003**		**155.1000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**	**0.0000**	**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.5 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0633	0.6350	1.5600e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		154.9695	154.9695	5.2200e-003		155.1000
Total	**0.0942**	**0.0633**	**0.6350**	**1.5600e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**154.9695**	**154.9695**	**5.2200e-003**		**155.1000**

3.5 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0562	0.5715	1.5100e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		150.1407	150.1407	4.6000e-003		150.2557
Total	**0.0868**	**0.0562**	**0.5715**	**1.5100e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**150.1407**	**150.1407**	**4.6000e-003**		**150.2557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.5 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0562	0.5715	1.5100e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		150.1407	150.1407	4.6000e-003		150.2557
Total	**0.0868**	**0.0562**	**0.5715**	**1.5100e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**150.1407**	**150.1407**	**4.6000e-003**		**150.2557**

3.5 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0808	0.0503	0.5245	1.4600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		145.3658	145.3658	4.1500e-003		145.4696
Total	**0.0808**	**0.0503**	**0.5245**	**1.4600e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**145.3658**	**145.3658**	**4.1500e-003**		**145.4696**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.5 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0808	0.0503	0.5245	1.4600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		145.3658	145.3658	4.1500e-003		145.4696
Total	**0.0808**	**0.0503**	**0.5245**	**1.4600e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**145.3658**	**145.3658**	**4.1500e-003**		**145.4696**

3.6 Paving - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665		2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9449**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**		**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9449	20.7178	15.0320	0.0228		1.1592	1.1592		1.0665	1.0665	0.0000	2,330.6461	2,330.6461	0.7141		2,348.4988
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9449**	**20.7178**	**15.0320**	**0.0228**		**1.1592**	**1.1592**		**1.0665**	**1.0665**	**0.0000**	**2,330.6461**	**2,330.6461**	**0.7141**		**2,348.4988**

3.6 Paving - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483		3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**		**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1044	0.0746	0.7394	1.4900e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		148.5274	148.5274	6.1300e-003		148.6806
Total	**0.1044**	**0.0746**	**0.7394**	**1.4900e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**148.5274**	**148.5274**	**6.1300e-003**		**148.6806**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.9608	52.2754	23.4554	0.0380		2.8786	2.8786		2.6483	2.6483	0.0000	3,894.9500	3,894.9500	1.1934		3,924.7852
Total	**4.9608**	**52.2754**	**23.4554**	**0.0380**	**18.0663**	**2.8786**	**20.9448**	**9.9307**	**2.6483**	**12.5790**	**0.0000**	**3,894.9500**	**3,894.9500**	**1.1934**		**3,924.7852**

3.7 Site Preparation - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1044	0.0746	0.7394	1.4900e-003	0.1479	1.1000e-003	0.1490	0.0392	1.0200e-003	0.0402		148.5274	148.5274	6.1300e-003		148.6806
Total	**0.1044**	**0.0746**	**0.7394**	**1.4900e-003**	**0.1479**	**1.1000e-003**	**0.1490**	**0.0392**	**1.0200e-003**	**0.0402**		**148.5274**	**148.5274**	**6.1300e-003**		**148.6806**

3.7 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.0649	0.6458	1.4500e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		144.3773	144.3773	5.3600e-003		144.5112
Total	**0.0932**	**0.0649**	**0.6458**	**1.4500e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**144.3773**	**144.3773**	**5.3600e-003**		**144.5112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.7 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.0649	0.6458	1.4500e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		144.3773	144.3773	5.3600e-003		144.5112
Total	**0.0932**	**0.0649**	**0.6458**	**1.4500e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**144.3773**	**144.3773**	**5.3600e-003**		**144.5112**

3.7 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0848	0.0570	0.5715	1.4000e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		139.4726	139.4726	4.7000e-003		139.5900
Total	**0.0848**	**0.0570**	**0.5715**	**1.4000e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**139.4726**	**139.4726**	**4.7000e-003**		**139.5900**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.7 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0848	0.0570	0.5715	1.4000e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		139.4726	139.4726	4.7000e-003		139.5900
Total	**0.0848**	**0.0570**	**0.5715**	**1.4000e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**139.4726**	**139.4726**	**4.7000e-003**		**139.5900**

3.7 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0506	0.5144	1.3600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		135.1266	135.1266	4.1400e-003		135.2301
Total	**0.0781**	**0.0506**	**0.5144**	**1.3600e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**135.1266**	**135.1266**	**4.1400e-003**		**135.2301**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.7 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0506	0.5144	1.3600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		135.1266	135.1266	4.1400e-003		135.2301
Total	**0.0781**	**0.0506**	**0.5144**	**1.3600e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**135.1266**	**135.1266**	**4.1400e-003**		**135.2301**

3.7 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0728	0.0453	0.4720	1.3100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		130.8293	130.8293	3.7300e-003		130.9226
Total	**0.0728**	**0.0453**	**0.4720**	**1.3100e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**130.8293**	**130.8293**	**3.7300e-003**		**130.9226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.7 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0728	0.0453	0.4720	1.3100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		130.8293	130.8293	3.7300e-003		130.9226
Total	**0.0728**	**0.0453**	**0.4720**	**1.3100e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**130.8293**	**130.8293**	**3.7300e-003**		**130.9226**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	363.5594	2,466.2437	4,671.2307	22.4286	1,990.2980	13.9282	2,004.2263	532.4526	12.9735	545.4261		2,295,768.3282	2,295,768.3282	102.4969		2,298,330.7501
Unmitigated	363.5594	2,466.2437	4,671.2307	22.4286	1,990.2980	13.9282	2,004.2263	532.4526	12.9735	545.4261		2,295,768.3282	2,295,768.3282	102.4969		2,298,330.7501

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	18,193.83	4,595.16	1961.35	33,294,606	33,294,606
Industrial Park	18,085.25	9,079.09	2661.74	444,948,278	444,948,278
Regional Shopping Center	143,038.53	189,341.33	95636.88	250,514,908	250,514,908
Single Family Housing	2,405.78	2,447.77	2129.14	6,737,499	6,737,499
Total	181,723.39	205,463.34	102,389.11	735,495,291	735,495,291

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548
NaturalGas Unmitigated	1.0892	9.7540	7.2337	0.0594		0.7525	0.7525		0.7525	0.7525		11,882.1452	11,882.1452	0.2277	0.2178	11,952.7548

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17860.7	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2556	2,101.2556	0.0403	0.0385	2,113.7423
Industrial Park	34863.8	0.3760	3.4180	2.8711	0.0205		0.2598	0.2598		0.2598	0.2598		4,101.6257	4,101.6257	0.0786	0.0752	4,125.9997
Regional Shopping Center	23149.8	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	25123.9	0.2709	2.3153	0.9853	0.0148		0.1872	0.1872		0.1872	0.1872		2,955.7521	2,955.7521	0.0567	0.0542	2,973.3166
Total		**1.0892**	**9.7540**	**7.2337**	**0.0594**		**0.7525**	**0.7525**		**0.7525**	**0.7525**		**11,882.1452**	**11,882.1452**	**0.2277**	**0.2178**	**11,952.7548**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17.8607	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2556	2,101.2556	0.0403	0.0385	2,113.7423
Industrial Park	34.8638	0.3760	3.4180	2.8711	0.0205		0.2598	0.2598		0.2598	0.2598		4,101.6257	4,101.6257	0.0786	0.0752	4,125.9997
Regional Shopping Center	23.1498	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	25.1239	0.2709	2.3153	0.9853	0.0148		0.1872	0.1872		0.1872	0.1872		2,955.7521	2,955.7521	0.0567	0.0542	2,973.3166
Total		**1.0892**	**9.7540**	**7.2337**	**0.0594**		**0.7525**	**0.7525**		**0.7525**	**0.7525**		**11,882.1452**	**11,882.1452**	**0.2277**	**0.2178**	**11,952.7548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266
Unmitigated	650.1907	7.6251	487.9152	0.8465		65.5394	65.5394		65.5394	65.5394	6,859.6175	2,915.5520	9,775.1695	6.3707	0.5396	10,095.2266

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	62.8803					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	208.6044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	378.0076	7.3821	466.6093	0.8454		65.4231	65.4231		65.4231	65.4231	6,859.6175	2,876.8235	9,736.4410	6.3303	0.5396	10,055.4873
Landscaping	0.6985	0.2431	21.3059	1.1500e-003		0.1163	0.1163		0.1163	0.1163		38.7285	38.7285	0.0404		39.7393
Total	**650.1907**	**7.6251**	**487.9152**	**0.8465**		**65.5394**	**65.5394**		**65.5394**	**65.5394**	**6,859.6175**	**2,915.5520**	**9,775.1695**	**6.3707**	**0.5396**	**10,095.2266**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	62.8803					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	208.6044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	378.0076	7.3821	466.6093	0.8454		65.4231	65.4231		65.4231	65.4231	6,859.6175	2,876.8235	9,736.4410	6.3303	0.5396	10,055.4873
Landscaping	0.6985	0.2431	21.3059	1.1500e-003		0.1163	0.1163		0.1163	0.1163		38.7285	38.7285	0.0404		39.7393
Total	**650.1907**	**7.6251**	**487.9152**	**0.8465**		**65.5394**	**65.5394**		**65.5394**	**65.5394**	**6,859.6175**	**2,915.5520**	**9,775.1695**	**6.3707**	**0.5396**	**10,095.2266**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AV Annexation 2017 plus SB County

San Bernardino-Mojave Desert County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	465.00	Dwelling Unit	1,600.00	837,000.00	1330
General Office Building	1,867.96	1000sqft	209.00	1,867,957.00	0
Regional Shopping Center	3,789.10	1000sqft	557.00	3,789,101.00	0
Industrial Park	3,865.00	1000sqft	408.00	3,865,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Buildout of 2017 Annexation (Golden Triangle Area) plus remaining county land within 2008 Annexation area.

Off-road Equipment -

Vehicle Trips - Trip rates provided by project specific Traffic Study.

Construction Phase - GP buildout is 2025.

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	1/6/2817	9/8/2022
tblConstructionPhase	PhaseEndDate	9/9/2732	5/25/2022
tblConstructionPhase	PhaseEndDate	2/25/2056	8/27/2021
tblConstructionPhase	PhaseEndDate	7/25/2138	12/24/2021
tblConstructionPhase	PhaseEndDate	11/8/2774	7/8/2022
tblConstructionPhase	PhaseEndDate	2/24/2079	12/24/2021
tblConstructionPhase	PhaseStartDate	11/9/2774	11/9/2018
tblConstructionPhase	PhaseStartDate	7/26/2138	7/26/2018
tblConstructionPhase	PhaseStartDate	2/25/2079	2/25/2018
tblConstructionPhase	PhaseStartDate	9/10/2732	9/10/2018
tblConstructionPhase	PhaseStartDate	2/26/2056	2/26/2018
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	1,867,960.00	1,867,957.00
tblLandUse	BuildingSpaceSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LandUseSquareFeet	1,867,960.00	1,867,957.00
tblLandUse	LandUseSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LotAcreage	150.97	1,600.00
tblLandUse	LotAcreage	42.88	209.00
tblLandUse	LotAcreage	86.99	557.00

tblLandUse	LotAcreage	88.73	408.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00
tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0941	0.9633	0.5323	9.0000e-004	2.7200e-003	0.0494	0.0521	7.2000e-004	0.0460	0.0467	0.0000	82.6825	82.6825	0.0220	0.0000	83.2327
2018	7.7812	31.4153	21.9375	0.0628	34.9994	1.0503	36.0496	9.4926	0.9740	10.4666	0.0000	5,813.1071	5,813.1071	0.7363	0.0000	5,831.5148
2019	37.6346	49.7046	38.9980	0.1294	38.6080	1.3429	39.9510	10.4695	1.2486	11.7180	0.0000	11,968.5261	11,968.5261	1.1908	0.0000	11,998.2971
2020	37.3150	45.7277	36.2440	0.1280	38.6311	1.1899	39.8210	10.4757	1.1050	11.5806	0.0000	11,802.3682	11,802.3682	1.1591	0.0000	11,831.3461
2021	36.6294	40.2909	32.7759	0.1237	38.6018	0.9423	39.5441	10.4678	0.8729	11.3407	0.0000	11,421.2105	11,421.2105	1.0790	0.0000	11,448.1860
2022	23.3440	10.0450	9.8572	0.0439	2.5748	0.1128	2.6876	0.6966	0.1057	0.8023	0.0000	4,080.9820	4,080.9820	0.2556	0.0000	4,087.3725
Maximum	**37.6346**	**49.7046**	**38.9980**	**0.1294**	**38.6311**	**1.3429**	**39.9510**	**10.4757**	**1.2486**	**11.7180**	**0.0000**	**11,968.5261**	**11,968.5261**	**1.1908**	**0.0000**	**11,998.2971**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.0941	0.9633	0.5323	9.0000e-004	2.7200e-003	0.0494	0.0521	7.2000e-004	0.0460	0.0467	0.0000	82.6824	82.6824	0.0220	0.0000	83.2326
2018	7.7812	31.4153	21.9375	0.0628	34.9994	1.0503	36.0496	9.4926	0.9740	10.4666	0.0000	5,813.1051	5,813.1051	0.7363	0.0000	5,831.5128
2019	37.6346	49.7046	38.9979	0.1294	38.6080	1.3429	39.9510	10.4695	1.2486	11.7180	0.0000	11,968.5234	11,968.5234	1.1908	0.0000	11,998.2944
2020	37.3150	45.7276	36.2440	0.1280	38.6311	1.1899	39.8210	10.4757	1.1050	11.5806	0.0000	11,802.3656	11,802.3656	1.1591	0.0000	11,831.3434
2021	36.6294	40.2909	32.7759	0.1237	38.6018	0.9423	39.5441	10.4678	0.8729	11.3407	0.0000	11,421.2081	11,421.2081	1.0790	0.0000	11,448.1835
2022	23.3440	10.0450	9.8572	0.0439	2.5748	0.1128	2.6876	0.6966	0.1057	0.8023	0.0000	4,080.9816	4,080.9816	0.2556	0.0000	4,087.3722
Maximum	**37.6346**	**49.7046**	**38.9979**	**0.1294**	**38.6311**	**1.3429**	**39.9510**	**10.4757**	**1.2486**	**11.7180**	**0.0000**	**11,968.5234**	**11,968.5234**	**1.1908**	**0.0000**	**11,998.2944**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**10-30-2017**	**1-29-2018**	1.4943	1.4943
2	**1-30-2018**	**4-29-2018**	4.0271	4.0271
3	**4-30-2018**	**7-29-2018**	5.5760	5.5760
4	**7-30-2018**	**10-29-2018**	14.3360	14.3360
5	**10-30-2018**	**1-29-2019**	21.7556	21.7556

6	**1-30-2019**	**4-29-2019**	21.4377	21.4377
7	**4-30-2019**	**7-29-2019**	21.6845	21.6845
8	**7-30-2019**	**10-29-2019**	21.9188	21.9188
9	**10-30-2019**	**1-29-2020**	21.5469	21.5469
10	**1-30-2020**	**4-29-2020**	20.5407	20.5407
11	**4-30-2020**	**7-29-2020**	20.5579	20.5579
12	**7-30-2020**	**10-29-2020**	20.7758	20.7758
13	**10-30-2020**	**1-29-2021**	20.4434	20.4434
14	**1-30-2021**	**4-29-2021**	19.3412	19.3412
15	**4-30-2021**	**7-29-2021**	19.5805	19.5805
16	**7-30-2021**	**10-29-2021**	19.0033	19.0033
17	**10-30-2021**	**1-29-2022**	17.2387	17.2387
18	**1-30-2022**	**4-29-2022**	14.6820	14.6820
19	**4-30-2022**	**7-29-2022**	10.3111	10.3111
20	**7-30-2022**	**9-30-2022**	3.7016	3.7016
		Highest	21.9188	21.9188

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	82.0889	0.6103	39.5525	0.0654		5.0692	5.0692		5.0692	5.0692	480.3253	207.2515	687.5768	0.4491	0.0378	710.0632
Energy	0.2465	2.1905	1.5103	0.0135		0.1703	0.1703		0.1703	0.1703	0.0000	37,362.5425	37,362.5425	1.4885	0.3430	37,501.9784
Mobile	51.6827	364.7306	717.1418	3.4028	292.4248	2.0668	294.4916	78.3535	1.9251	80.2786	0.0000	315,918.2718	315,918.2718	13.3988	0.0000	316,253.2407
Waste						0.0000	0.0000		0.0000	0.0000	2,243.7931	0.0000	2,243.7931	132.6044	0.0000	5,558.9024
Water						0.0000	0.0000		0.0000	0.0000	487.5385	7,772.4631	8,260.0016	50.3958	1.2488	9,892.0279
Total	**134.0181**	**367.5314**	**758.2046**	**3.4817**	**292.4248**	**7.3064**	**299.7312**	**78.3535**	**7.1646**	**85.5181**	**3,211.6569**	**361,260.5288**	**364,472.1857**	**198.3365**	**1.6296**	**369,916.2125**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	82.0889	0.6103	39.5525	0.0654		5.0692	5.0692		5.0692	5.0692	480.3253	207.2515	687.5768	0.4491	0.0378	710.0632
Energy	0.2465	2.1905	1.5103	0.0135		0.1703	0.1703		0.1703	0.1703	0.0000	37,362.5425	37,362.5425	1.4885	0.3430	37,501.9784
Mobile	51.6827	364.7306	717.1418	3.4028	292.4248	2.0668	294.4916	78.3535	1.9251	80.2786	0.0000	315,918.2718	315,918.2718	13.3988	0.0000	316,253.2407
Waste						0.0000	0.0000		0.0000	0.0000	2,243.7931	0.0000	2,243.7931	132.6044	0.0000	5,558.9024
Water						0.0000	0.0000		0.0000	0.0000	487.5385	7,772.4631	8,260.0016	50.3958	1.2488	9,892.0279
Total	**134.0181**	**367.5314**	**758.2046**	**3.4817**	**292.4248**	**7.3064**	**299.7312**	**78.3535**	**7.1646**	**85.5181**	**3,211.6569**	**361,260.5288**	**364,472.1857**	**198.3365**	**1.6296**	**369,916.2125**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/30/2017	8/27/2021	5	1000	
2	Site Preparation	Site Preparation	2/26/2018	12/24/2021	5	1000	
3	Grading	Grading	2/25/2018	12/24/2021	5	1000	
4	Building Construction	Building Construction	7/26/2018	5/25/2022	5	1000	
5	Paving	Paving	9/10/2018	7/8/2022	5	1000	
6	Architectural Coating	Architectural Coating	11/9/2018	9/8/2022	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 1,694,925; Residential Outdoor: 564,975; Non-Residential Indoor: 14,283,087; Non-Residential Outdoor: 4,761,029; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	720.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,601.00	1,610.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.9618	0.5178	8.7000e-004		0.0494	0.0494		0.0460	0.0460	0.0000	80.1011	80.1011	0.0219	0.0000	80.6486
Total	**0.0923**	**0.9618**	**0.5178**	**8.7000e-004**		**0.0494**	**0.0494**		**0.0460**	**0.0460**	**0.0000**	**80.1011**	**80.1011**	**0.0219**	**0.0000**	**80.6486**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.4700e-003	0.0146	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.5814	2.5814	1.1000e-004	0.0000	2.5840
Total	**1.7900e-003**	**1.4700e-003**	**0.0146**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.5814**	**2.5814**	**1.1000e-004**	**0.0000**	**2.5840**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0923	0.9618	0.5178	8.7000e-004		0.0494	0.0494		0.0460	0.0460	0.0000	80.1010	80.1010	0.0219	0.0000	80.6485
Total	**0.0923**	**0.9618**	**0.5178**	**8.7000e-004**		**0.0494**	**0.0494**		**0.0460**	**0.0460**	**0.0000**	**80.1010**	**80.1010**	**0.0219**	**0.0000**	**80.6485**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.4700e-003	0.0146	3.0000e-005	2.7200e-003	2.0000e-005	2.7400e-003	7.2000e-004	2.0000e-005	7.4000e-004	0.0000	2.5814	2.5814	1.1000e-004	0.0000	2.5840
Total	**1.7900e-003**	**1.4700e-003**	**0.0146**	**3.0000e-005**	**2.7200e-003**	**2.0000e-005**	**2.7400e-003**	**7.2000e-004**	**2.0000e-005**	**7.4000e-004**	**0.0000**	**2.5814**	**2.5814**	**1.1000e-004**	**0.0000**	**2.5840**

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4853	5.0011	2.9107	5.0700e-003		0.2530	0.2530		0.2355	0.2355	0.0000	458.3692	458.3692	0.1263	0.0000	461.5263
Total	**0.4853**	**5.0011**	**2.9107**	**5.0700e-003**		**0.2530**	**0.2530**		**0.2355**	**0.2355**	**0.0000**	**458.3692**	**458.3692**	**0.1263**	**0.0000**	**461.5263**

3.2 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4853	5.0011	2.9107	5.0700e-003		0.2530	0.2530		0.2355	0.2355	0.0000	458.3686	458.3686	0.1263	0.0000	461.5258
Total	**0.4853**	**5.0011**	**2.9107**	**5.0700e-003**		**0.2530**	**0.2530**		**0.2355**	**0.2355**	**0.0000**	**458.3686**	**458.3686**	**0.1263**	**0.0000**	**461.5258**

3.2 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2300e-003	7.4200e-003	0.0736	1.6000e-004	0.0158	1.2000e-004	0.0159	4.1900e-003	1.1000e-004	4.3000e-003	0.0000	14.5542	14.5542	5.4000e-004	0.0000	14.5678
Total	**9.2300e-003**	**7.4200e-003**	**0.0736**	**1.6000e-004**	**0.0158**	**1.2000e-004**	**0.0159**	**4.1900e-003**	**1.1000e-004**	**4.3000e-003**	**0.0000**	**14.5542**	**14.5542**	**5.4000e-004**	**0.0000**	**14.5678**

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4585	4.6697	2.8788	5.0600e-003		0.2342	0.2342		0.2179	0.2179	0.0000	451.8736	451.8736	0.1257	0.0000	455.0163
Total	**0.4585**	**4.6697**	**2.8788**	**5.0600e-003**		**0.2342**	**0.2342**		**0.2179**	**0.2179**	**0.0000**	**451.8736**	**451.8736**	**0.1257**	**0.0000**	**455.0163**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4585	4.6697	2.8788	5.0600e-003		0.2342	0.2342		0.2179	0.2179	0.0000	451.8731	451.8731	0.1257	0.0000	455.0157
Total	**0.4585**	**4.6697**	**2.8788**	**5.0600e-003**		**0.2342**	**0.2342**		**0.2179**	**0.2179**	**0.0000**	**451.8731**	**451.8731**	**0.1257**	**0.0000**	**455.0157**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4339	4.3493	2.8497	5.0800e-003		0.2173	0.2173		0.2020	0.2020	0.0000	445.3818	445.3818	0.1257	0.0000	448.5250
Total	**0.4339**	**4.3493**	**2.8497**	**5.0800e-003**		**0.2173**	**0.2173**		**0.2020**	**0.2020**	**0.0000**	**445.3818**	**445.3818**	**0.1257**	**0.0000**	**448.5250**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4339	4.3493	2.8497	5.0800e-003		0.2173	0.2173		0.2020	0.2020	0.0000	445.3812	445.3812	0.1257	0.0000	448.5244
Total	**0.4339**	**4.3493**	**2.8497**	**5.0800e-003**		**0.2173**	**0.2173**		**0.2020**	**0.2020**	**0.0000**	**445.3812**	**445.3812**	**0.1257**	**0.0000**	**448.5244**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2706	2.6882	1.8438	3.3200e-003		0.1326	0.1326		0.1232	0.1232	0.0000	290.7067	290.7067	0.0818	0.0000	292.7523
Total	**0.2706**	**2.6882**	**1.8438**	**3.3200e-003**		**0.1326**	**0.1326**		**0.1232**	**0.1232**	**0.0000**	**290.7067**	**290.7067**	**0.0818**	**0.0000**	**292.7523**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-003	3.3900e-003	0.0352	1.0000e-004	0.0103	7.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	8.6406	8.6406	2.5000e-004	0.0000	8.6468
Total	**4.7000e-003**	**3.3900e-003**	**0.0352**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7500e-003**	**6.0000e-005**	**2.8100e-003**	**0.0000**	**8.6406**	**8.6406**	**2.5000e-004**	**0.0000**	**8.6468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2706	2.6882	1.8438	3.3200e-003		0.1326	0.1326		0.1232	0.1232	0.0000	290.7064	290.7064	0.0818	0.0000	292.7519
Total	**0.2706**	**2.6882**	**1.8438**	**3.3200e-003**		**0.1326**	**0.1326**		**0.1232**	**0.1232**	**0.0000**	**290.7064**	**290.7064**	**0.0818**	**0.0000**	**292.7519**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-003	3.3900e-003	0.0352	1.0000e-004	0.0103	7.0000e-005	0.0104	2.7500e-003	6.0000e-005	2.8100e-003	0.0000	8.6406	8.6406	2.5000e-004	0.0000	8.6468
Total	**4.7000e-003**	**3.3900e-003**	**0.0352**	**1.0000e-004**	**0.0103**	**7.0000e-005**	**0.0104**	**2.7500e-003**	**6.0000e-005**	**2.8100e-003**	**0.0000**	**8.6406**	**8.6406**	**2.5000e-004**	**0.0000**	**8.6468**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5042	5.3260	2.4836	4.2000e-003		0.2848	0.2848		0.2620	0.2620	0.0000	384.0970	384.0970	0.1196	0.0000	387.0863
Total	**0.5042**	**5.3260**	**2.4836**	**4.2000e-003**	**9.0331**	**0.2848**	**9.3179**	**4.9653**	**0.2620**	**5.2273**	**0.0000**	**384.0970**	**384.0970**	**0.1196**	**0.0000**	**387.0863**

3.3 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3800e-003	7.5400e-003	0.0748	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.7884	14.7884	5.5000e-004	0.0000	14.8022
Total	**9.3800e-003**	**7.5400e-003**	**0.0748**	**1.6000e-004**	**0.0160**	**1.2000e-004**	**0.0162**	**4.2600e-003**	**1.1000e-004**	**4.3700e-003**	**0.0000**	**14.7884**	**14.7884**	**5.5000e-004**	**0.0000**	**14.8022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5042	5.3260	2.4836	4.2000e-003		0.2848	0.2848		0.2620	0.2620	0.0000	384.0965	384.0965	0.1196	0.0000	387.0859
Total	**0.5042**	**5.3260**	**2.4836**	**4.2000e-003**	**9.0331**	**0.2848**	**9.3179**	**4.9653**	**0.2620**	**5.2273**	**0.0000**	**384.0965**	**384.0965**	**0.1196**	**0.0000**	**387.0859**

3.3 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3800e-003	7.5400e-003	0.0748	1.6000e-004	0.0160	1.2000e-004	0.0162	4.2600e-003	1.1000e-004	4.3700e-003	0.0000	14.7884	14.7884	5.5000e-004	0.0000	14.8022
Total	**9.3800e-003**	**7.5400e-003**	**0.0748**	**1.6000e-004**	**0.0160**	**1.2000e-004**	**0.0162**	**4.2600e-003**	**1.1000e-004**	**4.3700e-003**	**0.0000**	**14.7884**	**14.7884**	**5.5000e-004**	**0.0000**	**14.8022**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5657	5.9472	2.8792	4.9600e-003		0.3119	0.3119		0.2870	0.2870	0.0000	445.9014	445.9014	0.1411	0.0000	449.4283
Total	**0.5657**	**5.9472**	**2.8792**	**4.9600e-003**	**9.0331**	**0.3119**	**9.3451**	**4.9653**	**0.2870**	**5.2523**	**0.0000**	**445.9014**	**445.9014**	**0.1411**	**0.0000**	**449.4283**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	7.8200e-003	0.0782	1.9000e-004	0.0189	1.3000e-004	0.0191	5.0300e-003	1.2000e-004	5.1500e-003	0.0000	16.8718	16.8718	5.7000e-004	0.0000	16.8860
Total	**0.0101**	**7.8200e-003**	**0.0782**	**1.9000e-004**	**0.0189**	**1.3000e-004**	**0.0191**	**5.0300e-003**	**1.2000e-004**	**5.1500e-003**	**0.0000**	**16.8718**	**16.8718**	**5.7000e-004**	**0.0000**	**16.8860**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5657	5.9472	2.8792	4.9600e-003		0.3119	0.3119		0.2870	0.2870	0.0000	445.9008	445.9008	0.1411	0.0000	449.4278
Total	**0.5657**	**5.9472**	**2.8792**	**4.9600e-003**	**9.0331**	**0.3119**	**9.3451**	**4.9653**	**0.2870**	**5.2523**	**0.0000**	**445.9008**	**445.9008**	**0.1411**	**0.0000**	**449.4278**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	7.8200e-003	0.0782	1.9000e-004	0.0189	1.3000e-004	0.0191	5.0300e-003	1.2000e-004	5.1500e-003	0.0000	16.8718	16.8718	5.7000e-004	0.0000	16.8860
Total	**0.0101**	**7.8200e-003**	**0.0782**	**1.9000e-004**	**0.0189**	**1.3000e-004**	**0.0191**	**5.0300e-003**	**1.2000e-004**	**5.1500e-003**	**0.0000**	**16.8718**	**16.8718**	**5.7000e-004**	**0.0000**	**16.8860**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	5.5567	2.8183	4.9800e-003		0.2879	0.2879		0.2648	0.2648	0.0000	437.9419	437.9419	0.1416	0.0000	441.4829
Total	**0.5340**	**5.5567**	**2.8183**	**4.9800e-003**	**9.0331**	**0.2879**	**9.3210**	**4.9653**	**0.2648**	**5.2302**	**0.0000**	**437.9419**	**437.9419**	**0.1416**	**0.0000**	**441.4829**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-003	6.9700e-003	0.0706	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.4087	16.4087	5.1000e-004	0.0000	16.4214
Total	**9.3000e-003**	**6.9700e-003**	**0.0706**	**1.8000e-004**	**0.0190**	**1.3000e-004**	**0.0191**	**5.0500e-003**	**1.2000e-004**	**5.1700e-003**	**0.0000**	**16.4087**	**16.4087**	**5.1000e-004**	**0.0000**	**16.4214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5340	5.5567	2.8183	4.9800e-003		0.2879	0.2879		0.2648	0.2648	0.0000	437.9414	437.9414	0.1416	0.0000	441.4824
Total	**0.5340**	**5.5567**	**2.8183**	**4.9800e-003**	**9.0331**	**0.2879**	**9.3210**	**4.9653**	**0.2648**	**5.2302**	**0.0000**	**437.9414**	**437.9414**	**0.1416**	**0.0000**	**441.4824**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-003	6.9700e-003	0.0706	1.8000e-004	0.0190	1.3000e-004	0.0191	5.0500e-003	1.2000e-004	5.1700e-003	0.0000	16.4087	16.4087	5.1000e-004	0.0000	16.4214
Total	**9.3000e-003**	**6.9700e-003**	**0.0706**	**1.8000e-004**	**0.0190**	**1.3000e-004**	**0.0191**	**5.0500e-003**	**1.2000e-004**	**5.1700e-003**	**0.0000**	**16.4087**	**16.4087**	**5.1000e-004**	**0.0000**	**16.4214**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4977	5.1836	2.7078	4.8700e-003		0.2617	0.2617		0.2408	0.2408	0.0000	427.9772	427.9772	0.1384	0.0000	431.4376
Total	**0.4977**	**5.1836**	**2.7078**	**4.8700e-003**	**9.0331**	**0.2617**	**9.2948**	**4.9653**	**0.2408**	**5.2061**	**0.0000**	**427.9772**	**427.9772**	**0.1384**	**0.0000**	**431.4376**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4500e-003	6.1000e-003	0.0633	1.7000e-004	0.0186	1.2000e-004	0.0187	4.9300e-003	1.2000e-004	5.0500e-003	0.0000	15.5228	15.5228	4.5000e-004	0.0000	15.5339
Total	**8.4500e-003**	**6.1000e-003**	**0.0633**	**1.7000e-004**	**0.0186**	**1.2000e-004**	**0.0187**	**4.9300e-003**	**1.2000e-004**	**5.0500e-003**	**0.0000**	**15.5228**	**15.5228**	**4.5000e-004**	**0.0000**	**15.5339**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0331	0.0000	9.0331	4.9653	0.0000	4.9653	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4977	5.1836	2.7077	4.8700e-003		0.2617	0.2617		0.2408	0.2408	0.0000	427.9767	427.9767	0.1384	0.0000	431.4371
Total	**0.4977**	**5.1836**	**2.7077**	**4.8700e-003**	**9.0331**	**0.2617**	**9.2948**	**4.9653**	**0.2408**	**5.2061**	**0.0000**	**427.9767**	**427.9767**	**0.1384**	**0.0000**	**431.4371**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4500e-003	6.1000e-003	0.0633	1.7000e-004	0.0186	1.2000e-004	0.0187	4.9300e-003	1.2000e-004	5.0500e-003	0.0000	15.5228	15.5228	4.5000e-004	0.0000	15.5339
Total	**8.4500e-003**	**6.1000e-003**	**0.0633**	**1.7000e-004**	**0.0186**	**1.2000e-004**	**0.0187**	**4.9300e-003**	**1.2000e-004**	**5.0500e-003**	**0.0000**	**15.5228**	**15.5228**	**4.5000e-004**	**0.0000**	**15.5339**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5625	6.5772	3.8774	6.8500e-003		0.2910	0.2910		0.2678	0.2678	0.0000	625.9659	625.9659	0.1949	0.0000	630.8377
Total	**0.5625**	**6.5772**	**3.8774**	**6.8500e-003**	**23.5582**	**0.2910**	**23.8493**	**3.8737**	**0.2678**	**4.1415**	**0.0000**	**625.9659**	**625.9659**	**0.1949**	**0.0000**	**630.8377**

3.4 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0104	8.3800e-003	0.0831	1.8000e-004	0.0178	1.3000e-004	0.0179	4.7300e-003	1.2000e-004	4.8500e-003	0.0000	16.4316	16.4316	6.1000e-004	0.0000	16.4469
Total	**0.0104**	**8.3800e-003**	**0.0831**	**1.8000e-004**	**0.0178**	**1.3000e-004**	**0.0179**	**4.7300e-003**	**1.2000e-004**	**4.8500e-003**	**0.0000**	**16.4316**	**16.4316**	**6.1000e-004**	**0.0000**	**16.4469**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5625	6.5772	3.8774	6.8500e-003		0.2910	0.2910		0.2678	0.2678	0.0000	625.9652	625.9652	0.1949	0.0000	630.8370
Total	**0.5625**	**6.5772**	**3.8774**	**6.8500e-003**	**23.5582**	**0.2910**	**23.8493**	**3.8737**	**0.2678**	**4.1415**	**0.0000**	**625.9652**	**625.9652**	**0.1949**	**0.0000**	**630.8370**

3.4 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0104	8.3800e-003	0.0831	1.8000e-004	0.0178	1.3000e-004	0.0179	4.7300e-003	1.2000e-004	4.8500e-003	0.0000	16.4316	16.4316	6.1000e-004	0.0000	16.4469
Total	**0.0104**	**8.3800e-003**	**0.0831**	**1.8000e-004**	**0.0178**	**1.3000e-004**	**0.0179**	**4.7300e-003**	**1.2000e-004**	**4.8500e-003**	**0.0000**	**16.4316**	**16.4316**	**6.1000e-004**	**0.0000**	**16.4469**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9022	726.9022	0.2300	0.0000	732.6518
Total	**0.6184**	**7.1149**	**4.3557**	**8.0900e-003**	**23.5582**	**0.3109**	**23.8692**	**3.8737**	**0.2861**	**4.1598**	**0.0000**	**726.9022**	**726.9022**	**0.2300**	**0.0000**	**732.6518**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0112	8.6900e-003	0.0868	2.1000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7200e-003	0.0000	18.7464	18.7464	6.4000e-004	0.0000	18.7623
Total	**0.0112**	**8.6900e-003**	**0.0868**	**2.1000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7200e-003**	**0.0000**	**18.7464**	**18.7464**	**6.4000e-004**	**0.0000**	**18.7623**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6184	7.1149	4.3557	8.0900e-003		0.3109	0.3109		0.2861	0.2861	0.0000	726.9014	726.9014	0.2300	0.0000	732.6510
Total	**0.6184**	**7.1149**	**4.3557**	**8.0900e-003**	**23.5582**	**0.3109**	**23.8692**	**3.8737**	**0.2861**	**4.1598**	**0.0000**	**726.9014**	**726.9014**	**0.2300**	**0.0000**	**732.6510**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0112	8.6900e-003	0.0868	2.1000e-004	0.0210	1.5000e-004	0.0212	5.5900e-003	1.4000e-004	5.7200e-003	0.0000	18.7464	18.7464	6.4000e-004	0.0000	18.7623
Total	**0.0112**	**8.6900e-003**	**0.0868**	**2.1000e-004**	**0.0210**	**1.5000e-004**	**0.0212**	**5.5900e-003**	**1.4000e-004**	**5.7200e-003**	**0.0000**	**18.7464**	**18.7464**	**6.4000e-004**	**0.0000**	**18.7623**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5830	6.5759	4.1865	8.1200e-003		0.2848	0.2848		0.2620	0.2620	0.0000	713.7442	713.7442	0.2308	0.0000	719.5152
Total	**0.5830**	**6.5759**	**4.1865**	**8.1200e-003**	**23.5582**	**0.2848**	**23.8430**	**3.8737**	**0.2620**	**4.1357**	**0.0000**	**713.7442**	**713.7442**	**0.2308**	**0.0000**	**719.5152**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.7400e-003	0.0785	2.0000e-004	0.0211	1.5000e-004	0.0213	5.6100e-003	1.3000e-004	5.7400e-003	0.0000	18.2319	18.2319	5.6000e-004	0.0000	18.2460
Total	**0.0103**	**7.7400e-003**	**0.0785**	**2.0000e-004**	**0.0211**	**1.5000e-004**	**0.0213**	**5.6100e-003**	**1.3000e-004**	**5.7400e-003**	**0.0000**	**18.2319**	**18.2319**	**5.6000e-004**	**0.0000**	**18.2460**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5830	6.5759	4.1865	8.1200e-003		0.2848	0.2848		0.2620	0.2620	0.0000	713.7434	713.7434	0.2308	0.0000	719.5144
Total	**0.5830**	**6.5759**	**4.1865**	**8.1200e-003**	**23.5582**	**0.2848**	**23.8430**	**3.8737**	**0.2620**	**4.1357**	**0.0000**	**713.7434**	**713.7434**	**0.2308**	**0.0000**	**719.5144**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0103	7.7400e-003	0.0785	2.0000e-004	0.0211	1.5000e-004	0.0213	5.6100e-003	1.3000e-004	5.7400e-003	0.0000	18.2319	18.2319	5.6000e-004	0.0000	18.2460
Total	**0.0103**	**7.7400e-003**	**0.0785**	**2.0000e-004**	**0.0211**	**1.5000e-004**	**0.0213**	**5.6100e-003**	**1.3000e-004**	**5.7400e-003**	**0.0000**	**18.2319**	**18.2319**	**5.6000e-004**	**0.0000**	**18.2460**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5365	5.9392	3.9524	7.9400e-003		0.2541	0.2541		0.2338	0.2338	0.0000	697.5358	697.5358	0.2256	0.0000	703.1757
Total	**0.5365**	**5.9392**	**3.9524**	**7.9400e-003**	**23.5582**	**0.2541**	**23.8124**	**3.8737**	**0.2338**	**4.1075**	**0.0000**	**697.5358**	**697.5358**	**0.2256**	**0.0000**	**703.1757**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3900e-003	6.7800e-003	0.0704	1.9000e-004	0.0206	1.4000e-004	0.0208	5.4800e-003	1.3000e-004	5.6100e-003	0.0000	17.2475	17.2475	4.9000e-004	0.0000	17.2599
Total	**9.3900e-003**	**6.7800e-003**	**0.0704**	**1.9000e-004**	**0.0206**	**1.4000e-004**	**0.0208**	**5.4800e-003**	**1.3000e-004**	**5.6100e-003**	**0.0000**	**17.2475**	**17.2475**	**4.9000e-004**	**0.0000**	**17.2599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					23.5582	0.0000	23.5582	3.8737	0.0000	3.8737	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5365	5.9392	3.9524	7.9400e-003		0.2541	0.2541		0.2338	0.2338	0.0000	697.5349	697.5349	0.2256	0.0000	703.1749
Total	**0.5365**	**5.9392**	**3.9524**	**7.9400e-003**	**23.5582**	**0.2541**	**23.8124**	**3.8737**	**0.2338**	**4.1075**	**0.0000**	**697.5349**	**697.5349**	**0.2256**	**0.0000**	**703.1749**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3900e-003	6.7800e-003	0.0704	1.9000e-004	0.0206	1.4000e-004	0.0208	5.4800e-003	1.3000e-004	5.6100e-003	0.0000	17.2475	17.2475	4.9000e-004	0.0000	17.2599
Total	**9.3900e-003**	**6.7800e-003**	**0.0704**	**1.9000e-004**	**0.0206**	**1.4000e-004**	**0.0208**	**5.4800e-003**	**1.3000e-004**	**5.6100e-003**	**0.0000**	**17.2475**	**17.2475**	**4.9000e-004**	**0.0000**	**17.2599**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1514	1.3215	0.9933	1.5200e-003		0.0847	0.0847		0.0797	0.0797	0.0000	134.3385	134.3385	0.0329	0.0000	135.1613
Total	**0.1514**	**1.3215**	**0.9933**	**1.5200e-003**		**0.0847**	**0.0847**		**0.0797**	**0.0797**	**0.0000**	**134.3385**	**134.3385**	**0.0329**	**0.0000**	**135.1613**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3842	11.5956	2.6313	0.0257	0.6067	0.0821	0.6887	0.1751	0.0785	0.2536	0.0000	2,459.2800	2,459.2800	0.1739	0.0000	2,463.6284
Worker	0.9598	0.7712	7.6523	0.0168	1.6395	0.0120	1.6515	0.4355	0.0110	0.4466	0.0000	1,512.7194	1,512.7194	0.0565	0.0000	1,514.1310
Total	**1.3441**	**12.3667**	**10.2836**	**0.0425**	**2.2462**	**0.0941**	**2.3402**	**0.6106**	**0.0896**	**0.7001**	**0.0000**	**3,971.9994**	**3,971.9994**	**0.2304**	**0.0000**	**3,977.7594**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1514	1.3215	0.9933	1.5200e-003		0.0847	0.0847		0.0797	0.0797	0.0000	134.3383	134.3383	0.0329	0.0000	135.1612
Total	**0.1514**	**1.3215**	**0.9933**	**1.5200e-003**		**0.0847**	**0.0847**		**0.0797**	**0.0797**	**0.0000**	**134.3383**	**134.3383**	**0.0329**	**0.0000**	**135.1612**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3842	11.5956	2.6313	0.0257	0.6067	0.0821	0.6887	0.1751	0.0785	0.2536	0.0000	2,459.2800	2,459.2800	0.1739	0.0000	2,463.6284
Worker	0.9598	0.7712	7.6523	0.0168	1.6395	0.0120	1.6515	0.4355	0.0110	0.4466	0.0000	1,512.7194	1,512.7194	0.0565	0.0000	1,514.1310
Total	**1.3441**	**12.3667**	**10.2836**	**0.0425**	**2.2462**	**0.0941**	**2.3402**	**0.6106**	**0.0896**	**0.7001**	**0.0000**	**3,971.9994**	**3,971.9994**	**0.2304**	**0.0000**	**3,977.7594**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8110	306.8110	0.0747	0.0000	308.6795
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8110**	**306.8110**	**0.0747**	**0.0000**	**308.6795**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7905	25.0860	5.4333	0.0588	1.4012	0.1604	1.5616	0.4044	0.1535	0.5578	0.0000	5,622.6228	5,622.6228	0.3926	0.0000	5,632.4367
Worker	2.0130	1.5647	15.6355	0.0374	3.7868	0.0268	3.8136	1.0059	0.0247	1.0306	0.0000	3,375.2866	3,375.2866	0.1144	0.0000	3,378.1462
Total	**2.8035**	**26.6508**	**21.0688**	**0.0962**	**5.1880**	**0.1872**	**5.3752**	**1.4103**	**0.1782**	**1.5884**	**0.0000**	**8,997.9093**	**8,997.9093**	**0.5070**	**0.0000**	**9,010.5829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3081	2.7508	2.2399	3.5100e-003		0.1683	0.1683		0.1583	0.1583	0.0000	306.8106	306.8106	0.0747	0.0000	308.6792
Total	**0.3081**	**2.7508**	**2.2399**	**3.5100e-003**		**0.1683**	**0.1683**		**0.1583**	**0.1583**	**0.0000**	**306.8106**	**306.8106**	**0.0747**	**0.0000**	**308.6792**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7905	25.0860	5.4333	0.0588	1.4012	0.1604	1.5616	0.4044	0.1535	0.5578	0.0000	5,622.6228	5,622.6228	0.3926	0.0000	5,632.4367
Worker	2.0130	1.5647	15.6355	0.0374	3.7868	0.0268	3.8136	1.0059	0.0247	1.0306	0.0000	3,375.2866	3,375.2866	0.1144	0.0000	3,378.1462
Total	**2.8035**	**26.6508**	**21.0688**	**0.0962**	**5.1880**	**0.1872**	**5.3752**	**1.4103**	**0.1782**	**1.5884**	**0.0000**	**8,997.9093**	**8,997.9093**	**0.5070**	**0.0000**	**9,010.5829**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4091**	**303.4091**	**0.0740**	**0.0000**	**305.2596**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6718	22.9704	4.8076	0.0586	1.4065	0.1086	1.5151	0.4059	0.1039	0.5098	0.0000	5,605.0757	5,605.0757	0.3762	0.0000	5,614.4803
Worker	1.8596	1.3938	14.1246	0.0364	3.8013	0.0262	3.8276	1.0098	0.0241	1.0339	0.0000	3,282.6600	3,282.6600	0.1011	0.0000	3,285.1881
Total	**2.5314**	**24.3642**	**18.9321**	**0.0950**	**5.2079**	**0.1348**	**5.3427**	**1.4157**	**0.1280**	**1.5437**	**0.0000**	**8,887.7357**	**8,887.7357**	**0.4773**	**0.0000**	**8,899.6685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	**0.2777**	**2.5134**	**2.2072**	**3.5300e-003**		**0.1463**	**0.1463**		**0.1376**	**0.1376**	**0.0000**	**303.4087**	**303.4087**	**0.0740**	**0.0000**	**305.2592**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6718	22.9704	4.8076	0.0586	1.4065	0.1086	1.5151	0.4059	0.1039	0.5098	0.0000	5,605.0757	5,605.0757	0.3762	0.0000	5,614.4803
Worker	1.8596	1.3938	14.1246	0.0364	3.8013	0.0262	3.8276	1.0098	0.0241	1.0339	0.0000	3,282.6600	3,282.6600	0.1011	0.0000	3,285.1881
Total	**2.5314**	**24.3642**	**18.9321**	**0.0950**	**5.2079**	**0.1348**	**5.3427**	**1.4157**	**0.1280**	**1.5437**	**0.0000**	**8,887.7357**	**8,887.7357**	**0.4773**	**0.0000**	**8,899.6685**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	**0.2481**	**2.2749**	**2.1631**	**3.5100e-003**		**0.1251**	**0.1251**		**0.1176**	**0.1176**	**0.0000**	**302.2867**	**302.2867**	**0.0729**	**0.0000**	**304.1099**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5705	20.8059	4.2416	0.0580	1.4011	0.0370	1.4381	0.4043	0.0354	0.4397	0.0000	5,554.3769	5,554.3769	0.3629	0.0000	5,563.4491
Worker	1.7240	1.2438	12.9132	0.0351	3.7868	0.0255	3.8123	1.0059	0.0235	1.0294	0.0000	3,166.0647	3,166.0647	0.0908	0.0000	3,168.3357
Total	**2.2944**	**22.0497**	**17.1548**	**0.0931**	**5.1880**	**0.0625**	**5.2504**	**1.4102**	**0.0588**	**1.4691**	**0.0000**	**8,720.4416**	**8,720.4416**	**0.4537**	**0.0000**	**8,731.7848**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	**0.2481**	**2.2749**	**2.1631**	**3.5100e-003**		**0.1251**	**0.1251**		**0.1176**	**0.1176**	**0.0000**	**302.2863**	**302.2863**	**0.0729**	**0.0000**	**304.1095**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.5705	20.8059	4.2416	0.0580	1.4011	0.0370	1.4381	0.4043	0.0354	0.4397	0.0000	5,554.3769	5,554.3769	0.3629	0.0000	5,563.4491
Worker	1.7240	1.2438	12.9132	0.0351	3.7868	0.0255	3.8123	1.0059	0.0235	1.0294	0.0000	3,166.0647	3,166.0647	0.0908	0.0000	3,168.3357
Total	**2.2944**	**22.0497**	**17.1548**	**0.0931**	**5.1880**	**0.0625**	**5.2504**	**1.4102**	**0.0588**	**1.4691**	**0.0000**	**8,720.4416**	**8,720.4416**	**0.4537**	**0.0000**	**8,731.7848**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	0.8042	0.8427	1.3900e-003		0.0417	0.0417		0.0392	0.0392	0.0000	119.3385	119.3385	0.0286	0.0000	120.0533
Total	**0.0879**	**0.8042**	**0.8427**	**1.3900e-003**		**0.0417**	**0.0417**		**0.0392**	**0.0392**	**0.0000**	**119.3385**	**119.3385**	**0.0286**	**0.0000**	**120.0533**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2099	7.7672	1.5504	0.0227	0.5529	0.0123	0.5652	0.1596	0.0117	0.1713	0.0000	2,174.0617	2,174.0617	0.1383	0.0000	2,177.5201
Worker	0.6353	0.4409	4.6696	0.0133	1.4944	9.7700e-003	1.5042	0.3970	8.9900e-003	0.4060	0.0000	1,204.4503	1,204.4503	0.0321	0.0000	1,205.2538
Total	**0.8452**	**8.2082**	**6.2200**	**0.0360**	**2.0474**	**0.0220**	**2.0694**	**0.5565**	**0.0207**	**0.5773**	**0.0000**	**3,378.5120**	**3,378.5120**	**0.1705**	**0.0000**	**3,382.7740**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0879	0.8042	0.8427	1.3900e-003		0.0417	0.0417		0.0392	0.0392	0.0000	119.3384	119.3384	0.0286	0.0000	120.0531
Total	**0.0879**	**0.8042**	**0.8427**	**1.3900e-003**		**0.0417**	**0.0417**		**0.0392**	**0.0392**	**0.0000**	**119.3384**	**119.3384**	**0.0286**	**0.0000**	**120.0531**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2099	7.7672	1.5504	0.0227	0.5529	0.0123	0.5652	0.1596	0.0117	0.1713	0.0000	2,174.0617	2,174.0617	0.1383	0.0000	2,177.5201
Worker	0.6353	0.4409	4.6696	0.0133	1.4944	9.7700e-003	1.5042	0.3970	8.9900e-003	0.4060	0.0000	1,204.4503	1,204.4503	0.0321	0.0000	1,205.2538
Total	**0.8452**	**8.2082**	**6.2200**	**0.0360**	**2.0474**	**0.0220**	**2.0694**	**0.5565**	**0.0207**	**0.5773**	**0.0000**	**3,378.5120**	**3,378.5120**	**0.1705**	**0.0000**	**3,382.7740**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0666	0.7096	0.5993	9.2000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	84.2871	84.2871	0.0262	0.0000	84.9431
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0666**	**0.7096**	**0.5993**	**9.2000e-004**		**0.0387**	**0.0387**		**0.0356**	**0.0356**	**0.0000**	**84.2871**	**84.2871**	**0.0262**	**0.0000**	**84.9431**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8700e-003	2.3000e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3300e-003	0.0000	4.5168	4.5168	1.7000e-004	0.0000	4.5210
Total	**2.8700e-003**	**2.3000e-003**	**0.0229**	**5.0000e-005**	**4.9000e-003**	**4.0000e-005**	**4.9300e-003**	**1.3000e-003**	**3.0000e-005**	**1.3300e-003**	**0.0000**	**4.5168**	**4.5168**	**1.7000e-004**	**0.0000**	**4.5210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0666	0.7096	0.5993	9.2000e-004		0.0387	0.0387		0.0356	0.0356	0.0000	84.2870	84.2870	0.0262	0.0000	84.9430
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0666**	**0.7096**	**0.5993**	**9.2000e-004**		**0.0387**	**0.0387**		**0.0356**	**0.0356**	**0.0000**	**84.2870**	**84.2870**	**0.0262**	**0.0000**	**84.9430**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8700e-003	2.3000e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3300e-003	0.0000	4.5168	4.5168	1.7000e-004	0.0000	4.5210
Total	**2.8700e-003**	**2.3000e-003**	**0.0229**	**5.0000e-005**	**4.9000e-003**	**4.0000e-005**	**4.9300e-003**	**1.3000e-003**	**3.0000e-005**	**1.3300e-003**	**0.0000**	**4.5168**	**4.5168**	**1.7000e-004**	**0.0000**	**4.5210**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1898	1.9894	1.9138	2.9800e-003		0.1076	0.1076		0.0990	0.0990	0.0000	267.2011	267.2011	0.0845	0.0000	269.3146
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1898**	**1.9894**	**1.9138**	**2.9800e-003**		**0.1076**	**0.1076**		**0.0990**	**0.0990**	**0.0000**	**267.2011**	**267.2011**	**0.0845**	**0.0000**	**269.3146**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1898	1.9894	1.9138	2.9800e-003		0.1076	0.1076		0.0990	0.0990	0.0000	267.2008	267.2008	0.0845	0.0000	269.3143
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1898**	**1.9894**	**1.9138**	**2.9800e-003**		**0.1076**	**0.1076**		**0.0990**	**0.0990**	**0.0000**	**267.2008**	**267.2008**	**0.0845**	**0.0000**	**269.3143**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3900e-003	6.5200e-003	0.0651	1.6000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	14.0598	14.0598	4.8000e-004	0.0000	14.0717
Total	**8.3900e-003**	**6.5200e-003**	**0.0651**	**1.6000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**14.0598**	**14.0598**	**4.8000e-004**	**0.0000**	**14.0717**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.8426	1.9194	2.9900e-003		0.0986	0.0986		0.0907	0.0907	0.0000	262.3697	262.3697	0.0849	0.0000	264.4911
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1777**	**1.8426**	**1.9194**	**2.9900e-003**		**0.0986**	**0.0986**		**0.0907**	**0.0907**	**0.0000**	**262.3697**	**262.3697**	**0.0849**	**0.0000**	**264.4911**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.8426	1.9194	2.9900e-003		0.0986	0.0986		0.0907	0.0907	0.0000	262.3694	262.3694	0.0849	0.0000	264.4908
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1777**	**1.8426**	**1.9194**	**2.9900e-003**		**0.0986**	**0.0986**		**0.0907**	**0.0907**	**0.0000**	**262.3694**	**262.3694**	**0.0849**	**0.0000**	**264.4908**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7500e-003	5.8100e-003	0.0588	1.5000e-004	0.0158	1.1000e-004	0.0159	4.2100e-003	1.0000e-004	4.3100e-003	0.0000	13.6740	13.6740	4.2000e-004	0.0000	13.6845
Total	**7.7500e-003**	**5.8100e-003**	**0.0588**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.2100e-003**	**1.0000e-004**	**4.3100e-003**	**0.0000**	**13.6740**	**13.6740**	**4.2000e-004**	**0.0000**	**13.6845**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1639	1.6859	1.9123	2.9700e-003		0.0884	0.0884		0.0814	0.0814	0.0000	261.3064	261.3064	0.0845	0.0000	263.4192
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1639**	**1.6859**	**1.9123**	**2.9700e-003**		**0.0884**	**0.0884**		**0.0814**	**0.0814**	**0.0000**	**261.3064**	**261.3064**	**0.0845**	**0.0000**	**263.4192**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1800e-003	5.1800e-003	0.0538	1.5000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	13.1883	13.1883	3.8000e-004	0.0000	13.1977
Total	**7.1800e-003**	**5.1800e-003**	**0.0538**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**13.1883**	**13.1883**	**3.8000e-004**	**0.0000**	**13.1977**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1639	1.6859	1.9122	2.9700e-003		0.0884	0.0884		0.0814	0.0814	0.0000	261.3061	261.3061	0.0845	0.0000	263.4189
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1639**	**1.6859**	**1.9122**	**2.9700e-003**		**0.0884**	**0.0884**		**0.0814**	**0.0814**	**0.0000**	**261.3061**	**261.3061**	**0.0845**	**0.0000**	**263.4189**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1800e-003	5.1800e-003	0.0538	1.5000e-004	0.0158	1.1000e-004	0.0159	4.1900e-003	1.0000e-004	4.2900e-003	0.0000	13.1883	13.1883	3.8000e-004	0.0000	13.1977
Total	**7.1800e-003**	**5.1800e-003**	**0.0538**	**1.5000e-004**	**0.0158**	**1.1000e-004**	**0.0159**	**4.1900e-003**	**1.0000e-004**	**4.2900e-003**	**0.0000**	**13.1883**	**13.1883**	**3.8000e-004**	**0.0000**	**13.1977**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0744	0.7509	0.9842	1.5400e-003		0.0383	0.0383		0.0353	0.0353	0.0000	135.1860	135.1860	0.0437	0.0000	136.2791
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0744**	**0.7509**	**0.9842**	**1.5400e-003**		**0.0383**	**0.0383**		**0.0353**	**0.0353**	**0.0000**	**135.1860**	**135.1860**	**0.0437**	**0.0000**	**136.2791**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4700e-003	2.4100e-003	0.0255	7.0000e-005	8.1600e-003	5.0000e-005	8.2100e-003	2.1700e-003	5.0000e-005	2.2200e-003	0.0000	6.5759	6.5759	1.8000e-004	0.0000	6.5803
Total	**3.4700e-003**	**2.4100e-003**	**0.0255**	**7.0000e-005**	**8.1600e-003**	**5.0000e-005**	**8.2100e-003**	**2.1700e-003**	**5.0000e-005**	**2.2200e-003**	**0.0000**	**6.5759**	**6.5759**	**1.8000e-004**	**0.0000**	**6.5803**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0744	0.7509	0.9842	1.5400e-003		0.0383	0.0383		0.0353	0.0353	0.0000	135.1859	135.1859	0.0437	0.0000	136.2789
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0744**	**0.7509**	**0.9842**	**1.5400e-003**		**0.0383**	**0.0383**		**0.0353**	**0.0353**	**0.0000**	**135.1859**	**135.1859**	**0.0437**	**0.0000**	**136.2789**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4700e-003	2.4100e-003	0.0255	7.0000e-005	8.1600e-003	5.0000e-005	8.2100e-003	2.1700e-003	5.0000e-005	2.2200e-003	0.0000	6.5759	6.5759	1.8000e-004	0.0000	6.5803
Total	**3.4700e-003**	**2.4100e-003**	**0.0255**	**7.0000e-005**	**8.1600e-003**	**5.0000e-005**	**8.2100e-003**	**2.1700e-003**	**5.0000e-005**	**2.2200e-003**	**0.0000**	**6.5759**	**6.5759**	**1.8000e-004**	**0.0000**	**6.5803**

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.5669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5200e-003	0.0371	0.0343	5.0000e-005		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	4.7235	4.7235	4.5000e-004	0.0000	4.7348
Total	**4.5724**	**0.0371**	**0.0343**	**5.0000e-005**		**2.7900e-003**	**2.7900e-003**		**2.7900e-003**	**2.7900e-003**	**0.0000**	**4.7235**	**4.7235**	**4.5000e-004**	**0.0000**	**4.7348**

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0628	0.0505	0.5010	1.1000e-003	0.1073	7.8000e-004	0.1081	0.0285	7.2000e-004	0.0292	0.0000	99.0355	99.0355	3.7000e-003	0.0000	99.1280
Total	**0.0628**	**0.0505**	**0.5010**	**1.1000e-003**	**0.1073**	**7.8000e-004**	**0.1081**	**0.0285**	**7.2000e-004**	**0.0292**	**0.0000**	**99.0355**	**99.0355**	**3.7000e-003**	**0.0000**	**99.1280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	4.5669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5200e-003	0.0371	0.0343	5.0000e-005		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	4.7235	4.7235	4.5000e-004	0.0000	4.7347
Total	**4.5724**	**0.0371**	**0.0343**	**5.0000e-005**		**2.7900e-003**	**2.7900e-003**		**2.7900e-003**	**2.7900e-003**	**0.0000**	**4.7235**	**4.7235**	**4.5000e-004**	**0.0000**	**4.7347**

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0628	0.0505	0.5010	1.1000e-003	0.1073	7.8000e-004	0.1081	0.0285	7.2000e-004	0.0292	0.0000	99.0355	99.0355	3.7000e-003	0.0000	99.1280
Total	**0.0628**	**0.0505**	**0.5010**	**1.1000e-003**	**0.1073**	**7.8000e-004**	**0.1081**	**0.0285**	**7.2000e-004**	**0.0292**	**0.0000**	**99.0355**	**99.0355**	**3.7000e-003**	**0.0000**	**99.1280**

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	32.2153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903
Total	**32.2500**	**0.2395**	**0.2403**	**3.9000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**33.3200**	**33.3200**	**2.8100e-003**	**0.0000**	**33.3903**

3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4025	0.3129	3.1262	7.4800e-003	0.7572	5.3600e-003	0.7625	0.2011	4.9400e-003	0.2061	0.0000	674.8699	674.8699	0.0229	0.0000	675.4416
Total	**0.4025**	**0.3129**	**3.1262**	**7.4800e-003**	**0.7572**	**5.3600e-003**	**0.7625**	**0.2011**	**4.9400e-003**	**0.2061**	**0.0000**	**674.8699**	**674.8699**	**0.0229**	**0.0000**	**675.4416**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	32.2153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903
Total	**32.2500**	**0.2395**	**0.2403**	**3.9000e-004**		**0.0168**	**0.0168**		**0.0168**	**0.0168**	**0.0000**	**33.3199**	**33.3199**	**2.8100e-003**	**0.0000**	**33.3903**

3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4025	0.3129	3.1262	7.4800e-003	0.7572	5.3600e-003	0.7625	0.2011	4.9400e-003	0.2061	0.0000	674.8699	674.8699	0.0229	0.0000	675.4416
Total	**0.4025**	**0.3129**	**3.1262**	**7.4800e-003**	**0.7572**	**5.3600e-003**	**0.7625**	**0.2011**	**4.9400e-003**	**0.2061**	**0.0000**	**674.8699**	**674.8699**	**0.0229**	**0.0000**	**675.4416**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	32.3387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	**32.3704**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5124**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3718	0.2787	2.8241	7.2700e-003	0.7601	5.2400e-003	0.7653	0.2019	4.8300e-003	0.2067	0.0000	656.3497	656.3497	0.0202	0.0000	656.8552
Total	**0.3718**	**0.2787**	**2.8241**	**7.2700e-003**	**0.7601**	**5.2400e-003**	**0.7653**	**0.2019**	**4.8300e-003**	**0.2067**	**0.0000**	**656.3497**	**656.3497**	**0.0202**	**0.0000**	**656.8552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	32.3387					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	**32.3704**	**0.2206**	**0.2399**	**3.9000e-004**		**0.0145**	**0.0145**		**0.0145**	**0.0145**	**0.0000**	**33.4476**	**33.4476**	**2.5900e-003**	**0.0000**	**33.5123**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3718	0.2787	2.8241	7.2700e-003	0.7601	5.2400e-003	0.7653	0.2019	4.8300e-003	0.2067	0.0000	656.3497	656.3497	0.0202	0.0000	656.8552
Total	**0.3718**	**0.2787**	**2.8241**	**7.2700e-003**	**0.7601**	**5.2400e-003**	**0.7653**	**0.2019**	**4.8300e-003**	**0.2067**	**0.0000**	**656.3497**	**656.3497**	**0.0202**	**0.0000**	**656.8552**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	32.2153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	**32.2438**	**0.1993**	**0.2372**	**3.9000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**33.3200**	**33.3200**	**2.2900e-003**	**0.0000**	**33.3771**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3447	0.2487	2.5819	7.0100e-003	0.7572	5.1000e-003	0.7623	0.2011	4.6900e-003	0.2058	0.0000	633.0371	633.0371	0.0182	0.0000	633.4912
Total	**0.3447**	**0.2487**	**2.5819**	**7.0100e-003**	**0.7572**	**5.1000e-003**	**0.7623**	**0.2011**	**4.6900e-003**	**0.2058**	**0.0000**	**633.0371**	**633.0371**	**0.0182**	**0.0000**	**633.4912**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	32.2153					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	**32.2438**	**0.1993**	**0.2372**	**3.9000e-004**		**0.0123**	**0.0123**		**0.0123**	**0.0123**	**0.0000**	**33.3199**	**33.3199**	**2.2900e-003**	**0.0000**	**33.3771**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3447	0.2487	2.5819	7.0100e-003	0.7572	5.1000e-003	0.7623	0.2011	4.6900e-003	0.2058	0.0000	633.0371	633.0371	0.0182	0.0000	633.4912
Total	**0.3447**	**0.2487**	**2.5819**	**7.0100e-003**	**0.7572**	**5.1000e-003**	**0.7623**	**0.2011**	**4.6900e-003**	**0.2058**	**0.0000**	**633.0371**	**633.0371**	**0.0182**	**0.0000**	**633.4912**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	22.0940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1261	0.1623	2.7000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	22.8516	22.8516	1.4900e-003	0.0000	22.8888
Total	**22.1123**	**0.1261**	**0.1623**	**2.7000e-004**		**7.3100e-003**	**7.3100e-003**		**7.3100e-003**	**7.3100e-003**	**0.0000**	**22.8516**	**22.8516**	**1.4900e-003**	**0.0000**	**22.8888**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2207	0.1532	1.6226	4.6300e-003	0.5193	3.3900e-003	0.5227	0.1379	3.1200e-003	0.1411	0.0000	418.5179	418.5179	0.0112	0.0000	418.7971
Total	**0.2207**	**0.1532**	**1.6226**	**4.6300e-003**	**0.5193**	**3.3900e-003**	**0.5227**	**0.1379**	**3.1200e-003**	**0.1411**	**0.0000**	**418.5179**	**418.5179**	**0.0112**	**0.0000**	**418.7971**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	22.0940					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1261	0.1623	2.7000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	22.8516	22.8516	1.4900e-003	0.0000	22.8888
Total	**22.1123**	**0.1261**	**0.1623**	**2.7000e-004**		**7.3100e-003**	**7.3100e-003**		**7.3100e-003**	**7.3100e-003**	**0.0000**	**22.8516**	**22.8516**	**1.4900e-003**	**0.0000**	**22.8888**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2207	0.1532	1.6226	4.6300e-003	0.5193	3.3900e-003	0.5227	0.1379	3.1200e-003	0.1411	0.0000	418.5179	418.5179	0.0112	0.0000	418.7971
Total	**0.2207**	**0.1532**	**1.6226**	**4.6300e-003**	**0.5193**	**3.3900e-003**	**0.5227**	**0.1379**	**3.1200e-003**	**0.1411**	**0.0000**	**418.5179**	**418.5179**	**0.0112**	**0.0000**	**418.7971**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	51.6827	364.7306	717.1418	3.4028	292.4248	2.0668	294.4916	78.3535	1.9251	80.2786	0.0000	315,918.2718	315,918.2718	13.3988	0.0000	316,253.2407
Unmitigated	51.6827	364.7306	717.1418	3.4028	292.4248	2.0668	294.4916	78.3535	1.9251	80.2786	0.0000	315,918.2718	315,918.2718	13.3988	0.0000	316,253.2407

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	18,193.93	4,595.18	1961.36	33,294,784	33,294,784
Industrial Park	19,170.40	9,623.85	2821.45	471,646,004	471,646,004
Regional Shopping Center	143,038.53	189,341.33	95636.88	250,514,908	250,514,908
Single Family Housing	4,529.10	4,608.15	4008.30	12,683,956	12,683,956
Total	184,931.96	208,168.51	104,427.99	768,139,652	768,139,652

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34,922.6697	34,922.6697	1.4418	0.2983	35,047.6065
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	34,922.6697	34,922.6697	1.4418	0.2983	35,047.6065
NaturalGas Mitigated	0.2465	2.1905	1.5103	0.0135		0.1703	0.1703		0.1703	0.1703	0.0000	2,439.8729	2,439.8729	0.0468	0.0447	2,454.3718
NaturalGas Unmitigated	0.2465	2.1905	1.5103	0.0135		0.1703	0.1703		0.1703	0.1703	0.0000	2,439.8729	2,439.8729	0.0468	0.0447	2,454.3718

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6.51917e+006	0.0352	0.3196	0.2684	1.9200e-003		0.0243	0.0243		0.0243	0.0243	0.0000	347.8877	347.8877	6.6700e-003	6.3800e-003	349.9551
Industrial Park	1.34889e+007	0.0727	0.6612	0.5554	3.9700e-003		0.0503	0.0503		0.0503	0.0503	0.0000	719.8164	719.8164	0.0138	0.0132	724.0939
Regional Shopping Center	8.4497e+006	0.0456	0.4142	0.3479	2.4900e-003		0.0315	0.0315		0.0315	0.0315	0.0000	450.9079	450.9079	8.6400e-003	8.2700e-003	453.5874
Single Family Housing	1.72638e+007	0.0931	0.7955	0.3385	5.0800e-003		0.0643	0.0643		0.0643	0.0643	0.0000	921.2608	921.2608	0.0177	0.0169	926.7354
Total		**0.2465**	**2.1905**	**1.5103**	**0.0135**		**0.1703**	**0.1703**		**0.1703**	**0.1703**	**0.0000**	**2,439.8729**	**2,439.8729**	**0.0468**	**0.0447**	**2,454.3718**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	6.51917e+006	0.0352	0.3196	0.2684	1.9200e-003		0.0243	0.0243		0.0243	0.0243	0.0000	347.8877	347.8877	6.6700e-003	6.3800e-003	349.9551
Industrial Park	1.34889e+007	0.0727	0.6612	0.5554	3.9700e-003		0.0503	0.0503		0.0503	0.0503	0.0000	719.8164	719.8164	0.0138	0.0132	724.0939
Regional Shopping Center	8.4497e+006	0.0456	0.4142	0.3479	2.4900e-003		0.0315	0.0315		0.0315	0.0315	0.0000	450.9079	450.9079	8.6400e-003	8.2700e-003	453.5874
Single Family Housing	1.72638e+007	0.0931	0.7955	0.3385	5.0800e-003		0.0643	0.0643		0.0643	0.0643	0.0000	921.2608	921.2608	0.0177	0.0169	926.7354
Total		**0.2465**	**2.1905**	**1.5103**	**0.0135**		**0.1703**	**0.1703**		**0.1703**	**0.1703**	**0.0000**	**2,439.8729**	**2,439.8729**	**0.0468**	**0.0447**	**2,454.3718**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.82313e+007	5,808.8701	0.2398	0.0496	5,829.6515
Industrial Park	3.77224e+007	12,019.1648	0.4962	0.1027	12,062.1637
Regional Shopping Center	4.92962e+007	15,706.8267	0.6485	0.1342	15,763.0184
Single Family Housing	4.35566e+006	1,387.8080	0.0573	0.0119	1,392.7729
Total		**34,922.6697**	**1.4418**	**0.2983**	**35,047.6066**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	1.82313e+007	5,808.8701	0.2398	0.0496	5,829.6515
Industrial Park	3.77224e+007	12,019.1648	0.4962	0.1027	12,062.1637
Regional Shopping Center	4.92962e+007	15,706.8267	0.6485	0.1342	15,763.0184
Single Family Housing	4.35566e+006	1,387.8080	0.0573	0.0119	1,392.7729
Total		**34,922.6697**	**1.4418**	**0.2983**	**35,047.6066**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	82.0889	0.6103	39.5525	0.0654		5.0692	5.0692		5.0692	5.0692	480.3253	207.2515	687.5768	0.4491	0.0378	710.0632
Unmitigated	82.0889	0.6103	39.5525	0.0654		5.0692	5.0692		5.0692	5.0692	480.3253	207.2515	687.5768	0.4491	0.0378	710.0632

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	12.3430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	40.4573					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	29.1770	0.5698	36.0158	0.0653		5.0498	5.0498		5.0498	5.0498	480.3253	201.4414	681.7668	0.4433	0.0378	704.1071
Landscaping	0.1116	0.0405	3.5367	1.9000e-004		0.0195	0.0195		0.0195	0.0195	0.0000	5.8100	5.8100	5.8400e-003	0.0000	5.9561
Total	**82.0889**	**0.6103**	**39.5525**	**0.0654**		**5.0692**	**5.0692**		**5.0692**	**5.0692**	**480.3253**	**207.2515**	**687.5768**	**0.4491**	**0.0378**	**710.0632**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	12.3430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	40.4573					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	29.1770	0.5698	36.0158	0.0653		5.0498	5.0498		5.0498	5.0498	480.3253	201.4414	681.7668	0.4433	0.0378	704.1071
Landscaping	0.1116	0.0405	3.5367	1.9000e-004		0.0195	0.0195		0.0195	0.0195	0.0000	5.8100	5.8100	5.8400e-003	0.0000	5.9561
Total	**82.0889**	**0.6103**	**39.5525**	**0.0654**		**5.0692**	**5.0692**		**5.0692**	**5.0692**	**480.3253**	**207.2515**	**687.5768**	**0.4491**	**0.0378**	**710.0632**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8,260.0016	50.3958	1.2488	9,892.0279
Unmitigated	8,260.0016	50.3958	1.2488	9,892.0279

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	332 / 203.484	2,203.0260	10.9048	0.2734	2,557.1073
Industrial Park	893.781 / 0	3,991.6480	29.2770	0.7194	4,937.9387
Regional Shopping Center	280.668 / 172.022	1,862.4102	9.2188	0.2311	2,161.7461
Single Family Housing	30.2966 / 19.1	202.9174	0.9952	0.0250	235.2358
Total		**8,260.0016**	**50.3958**	**1.2488**	**9,892.0279**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	332 / 203.484	2,203.0260	10.9048	0.2734	2,557.1073
Industrial Park	893.781 / 0	3,991.6480	29.2770	0.7194	4,937.9387
Regional Shopping Center	280.668 / 172.022	1,862.4102	9.2188	0.2311	2,161.7461
Single Family Housing	30.2966 / 19.1	202.9174	0.9952	0.0250	235.2358
Total		**8,260.0016**	**50.3958**	**1.2488**	**9,892.0279**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,243.7931	132.6044	0.0000	5,558.9024
Unmitigated	2,243.7931	132.6044	0.0000	5,558.9024

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1737.2	352.6359	20.8402	0.0000	873.6405
Industrial Park	4792.6	972.8545	57.4941	0.0000	2,410.2058
Regional Shopping Center	3978.56	807.6117	47.7285	0.0000	2,000.8239
Single Family Housing	545.3	110.6910	6.5417	0.0000	274.2322
Total		**2,243.7931**	**132.6044**	**0.0000**	**5,558.9024**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	1737.2	352.6359	20.8402	0.0000	873.6405
Industrial Park	4792.6	972.8545	57.4941	0.0000	2,410.2058
Regional Shopping Center	3978.56	807.6117	47.7285	0.0000	2,000.8239
Single Family Housing	545.3	110.6910	6.5417	0.0000	274.2322
Total		**2,243.7931**	**132.6044**	**0.0000**	**5,558.9024**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AV Annexation 2017 plus SB County

San Bernardino-Mojave Desert County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	465.00	Dwelling Unit	1,600.00	837,000.00	1330
General Office Building	1,867.96	1000sqft	209.00	1,867,957.00	0
Regional Shopping Center	3,789.10	1000sqft	557.00	3,789,101.00	0
Industrial Park	3,865.00	1000sqft	408.00	3,865,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Buildout of 2017 Annexation (Golden Triangle Area) plus remaining county land within 2008 Annexation area.

Off-road Equipment -

Vehicle Trips - Trip rates provided by project specific Traffic Study.

Construction Phase - GP buildout is 2025.

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	1/6/2817	9/8/2022
tblConstructionPhase	PhaseEndDate	9/9/2732	5/25/2022
tblConstructionPhase	PhaseEndDate	2/25/2056	8/27/2021
tblConstructionPhase	PhaseEndDate	7/25/2138	12/24/2021
tblConstructionPhase	PhaseEndDate	11/8/2774	7/8/2022
tblConstructionPhase	PhaseEndDate	2/24/2079	12/24/2021
tblConstructionPhase	PhaseStartDate	11/9/2774	11/9/2018
tblConstructionPhase	PhaseStartDate	7/26/2138	7/26/2018
tblConstructionPhase	PhaseStartDate	2/25/2079	2/25/2018
tblConstructionPhase	PhaseStartDate	9/10/2732	9/10/2018
tblConstructionPhase	PhaseStartDate	2/26/2056	2/26/2018
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	1,867,960.00	1,867,957.00
tblLandUse	BuildingSpaceSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LandUseSquareFeet	1,867,960.00	1,867,957.00
tblLandUse	LandUseSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LotAcreage	150.97	1,600.00
tblLandUse	LotAcreage	42.88	209.00
tblLandUse	LotAcreage	86.99	557.00

tblLandUse	LotAcreage	88.73	408.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00
tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.1922	42.8064	23.7461	0.0402	0.1232	2.1944	2.3176	0.0327	2.0434	2.0760	0.0000	4,062.1400	4,062.1400	1.0787	0.0000	4,089.1071
2018	294.8353	405.7783	345.5574	1.0487	112.1448	11.4596	123.6044	30.3819	10.6597	41.0416	0.0000	107,093.6988	107,093.6988	10.3044	0.0000	107,351.3082
2019	290.6468	376.5701	316.4989	1.0301	112.1446	10.2843	122.4289	30.3819	9.5614	39.9432	0.0000	104,985.3539	104,985.3539	10.0278	0.0000	105,236.0498
2020	286.9179	345.6331	292.7888	1.0148	112.1444	9.0793	121.2238	30.3818	8.4308	38.8126	0.0000	103,104.7918	103,104.7918	9.7145	0.0000	103,347.6540
2021	283.8657	318.6105	274.7936	1.0004	112.1442	7.8297	119.9740	30.3817	7.2544	37.6362	0.0000	101,686.7246	101,686.7246	9.4927	0.0000	101,924.0428
2022	270.5474	187.0484	185.8024	0.8406	46.5259	1.9224	48.4484	12.5880	1.8007	14.3888	0.0000	86,168.9388	86,168.9388	5.0798	0.0000	86,295.9333
Maximum	**294.8353**	**405.7783**	**345.5574**	**1.0487**	**112.1448**	**11.4596**	**123.6044**	**30.3819**	**10.6597**	**41.0416**	**0.0000**	**107,093.6988**	**107,093.6988**	**10.3044**	**0.0000**	**107,351.3082**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.1922	42.8064	23.7461	0.0402	0.1232	2.1944	2.3176	0.0327	2.0434	2.0760	0.0000	4,062.1400	4,062.1400	1.0787	0.0000	4,089.1071
2018	294.8353	405.7783	345.5574	1.0487	112.1448	11.4596	123.6044	30.3819	10.6597	41.0416	0.0000	107,093.6988	107,093.6988	10.3044	0.0000	107,351.3082
2019	290.6468	376.5701	316.4989	1.0301	112.1446	10.2843	122.4289	30.3819	9.5614	39.9432	0.0000	104,985.3539	104,985.3539	10.0278	0.0000	105,236.0497
2020	286.9179	345.6331	292.7888	1.0148	112.1444	9.0793	121.2238	30.3818	8.4308	38.8126	0.0000	103,104.7918	103,104.7918	9.7145	0.0000	103,347.6540
2021	283.8657	318.6104	274.7936	1.0004	112.1442	7.8297	119.9740	30.3817	7.2544	37.6362	0.0000	101,686.7246	101,686.7246	9.4927	0.0000	101,924.0428
2022	270.5474	187.0484	185.8024	0.8406	46.5259	1.9224	48.4484	12.5880	1.8007	14.3888	0.0000	86,168.9388	86,168.9388	5.0798	0.0000	86,295.9333
Maximum	**294.8353**	**405.7783**	**345.5574**	**1.0487**	**112.1448**	**11.4596**	**123.6044**	**30.3819**	**10.6597**	**41.0416**	**0.0000**	**107,093.6988**	**107,093.6988**	**10.3044**	**0.0000**	**107,351.3082**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209
Energy	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580
Mobile	427.0656	2,523.8577	5,617.1893	25.2186	2,073.8910	14.4159	2,088.3069	554.8157	13.4264	568.2421		2,577,626.6977	2,577,626.6977	104.7033		2,580,244.2793
Total	**1,430.6069**	**2,550.2079**	**6,543.1958**	**26.8859**	**2,073.8910**	**138.7303**	**2,212.6212**	**554.8157**	**137.7408**	**692.5565**	**12,913.8548**	**2,597,850.7243**	**2,610,764.5791**	**116.9746**	**1.2860**	**2,614,072.1581**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209
Energy	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580
Mobile	427.0656	2,523.8577	5,617.1893	25.2186	2,073.8910	14.4159	2,088.3069	554.8157	13.4264	568.2421		2,577,626.6977	2,577,626.6977	104.7033		2,580,244.2793
Total	**1,430.6069**	**2,550.2079**	**6,543.1958**	**26.8859**	**2,073.8910**	**138.7303**	**2,212.6212**	**554.8157**	**137.7408**	**692.5565**	**12,913.8548**	**2,597,850.7243**	**2,610,764.5791**	**116.9746**	**1.2860**	**2,614,072.1581**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/30/2017	8/27/2021	5	1000	
2	Site Preparation	Site Preparation	2/26/2018	12/24/2021	5	1000	
3	Grading	Grading	2/25/2018	12/24/2021	5	1000	
4	Building Construction	Building Construction	7/26/2018	5/25/2022	5	1000	
5	Paving	Paving	9/10/2018	7/8/2022	5	1000	
6	Architectural Coating	Architectural Coating	11/9/2018	9/8/2022	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 1,694,925; Residential Outdoor: 564,975; Non-Residential Indoor: 14,283,087; Non-Residential Outdoor: 4,761,029; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	720.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,601.00	1,610.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0891	0.0589	0.7339	1.3900e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		137.8567	137.8567	5.7400e-003		138.0001
Total	**0.0891**	**0.0589**	**0.7339**	**1.3900e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**137.8567**	**137.8567**	**5.7400e-003**		**138.0001**

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.2 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.2 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.3 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0956	0.0616	0.7713	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		160.8421	160.8421	6.0400e-003		160.9931
Total	**0.0956**	**0.0616**	**0.7713**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**160.8421**	**160.8421**	**6.0400e-003**		**160.9931**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.3 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0956	0.0616	0.7713	1.6200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		160.8421	160.8421	6.0400e-003		160.9931
Total	**0.0956**	**0.0616**	**0.7713**	**1.6200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**160.8421**	**160.8421**	**6.0400e-003**		**160.9931**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0541	0.6838	1.5600e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		155.3854	155.3854	5.3100e-003		155.5181
Total	**0.0868**	**0.0541**	**0.6838**	**1.5600e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**155.3854**	**155.3854**	**5.3100e-003**		**155.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0541	0.6838	1.5600e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		155.3854	155.3854	5.3100e-003		155.5181
Total	**0.0868**	**0.0541**	**0.6838**	**1.5600e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**155.3854**	**155.3854**	**5.3100e-003**		**155.5181**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0480	0.6166	1.5100e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		150.5488	150.5488	4.6800e-003		150.6658
Total	**0.0799**	**0.0480**	**0.6166**	**1.5100e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**150.5488**	**150.5488**	**4.6800e-003**		**150.6658**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0480	0.6166	1.5100e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		150.5488	150.5488	4.6800e-003		150.6658
Total	**0.0799**	**0.0480**	**0.6166**	**1.5100e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**150.5488**	**150.5488**	**4.6800e-003**		**150.6658**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0430	0.5672	1.4600e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		145.7541	145.7541	4.2200e-003		145.8597
Total	**0.0743**	**0.0430**	**0.5672**	**1.4600e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**145.7541**	**145.7541**	**4.2200e-003**		**145.8597**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0743	0.0430	0.5672	1.4600e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		145.7541	145.7541	4.2200e-003		145.8597
Total	**0.0743**	**0.0430**	**0.5672**	**1.4600e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**145.7541**	**145.7541**	**4.2200e-003**		**145.8597**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.4 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1062	0.0684	0.8570	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		178.7134	178.7134	6.7100e-003		178.8812
Total	**0.1062**	**0.0684**	**0.8570**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**178.7134**	**178.7134**	**6.7100e-003**		**178.8812**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.4 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1062	0.0684	0.8570	1.8000e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		178.7134	178.7134	6.7100e-003		178.8812
Total	**0.1062**	**0.0684**	**0.8570**	**1.8000e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**178.7134**	**178.7134**	**6.7100e-003**		**178.8812**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**		**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0965	0.0601	0.7598	1.7400e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		172.6504	172.6504	5.9000e-003		172.7979
Total	**0.0965**	**0.0601**	**0.7598**	**1.7400e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**172.6504**	**172.6504**	**5.9000e-003**		**172.7979**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**	**0.0000**	**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0965	0.0601	0.7598	1.7400e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		172.6504	172.6504	5.9000e-003		172.7979
Total	**0.0965**	**0.0601**	**0.7598**	**1.7400e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**172.6504**	**172.6504**	**5.9000e-003**		**172.7979**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0534	0.6852	1.6800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		167.2764	167.2764	5.2000e-003		167.4064
Total	**0.0888**	**0.0534**	**0.6852**	**1.6800e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**167.2764**	**167.2764**	**5.2000e-003**		**167.4064**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0534	0.6852	1.6800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		167.2764	167.2764	5.2000e-003		167.4064
Total	**0.0888**	**0.0534**	**0.6852**	**1.6800e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**167.2764**	**167.2764**	**5.2000e-003**		**167.4064**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0826	0.0478	0.6302	1.6300e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		161.9490	161.9490	4.6900e-003		162.0663
Total	**0.0826**	**0.0478**	**0.6302**	**1.6300e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**161.9490**	**161.9490**	**4.6900e-003**		**162.0663**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0826	0.0478	0.6302	1.6300e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		161.9490	161.9490	4.6900e-003		162.0663
Total	**0.0826**	**0.0478**	**0.6302**	**1.6300e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**161.9490**	**161.9490**	**4.6900e-003**		**162.0663**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6826	201.8077	43.3995	0.4626	10.9075	1.4454	12.3528	3.1404	1.3827	4.5232		48,730.7539	48,730.7539	3.2451		48,811.8808
Worker	19.1157	12.3158	154.2935	0.3237	29.5814	0.2121	29.7934	7.8464	0.1955	8.0418		32,177.3462	32,177.3462	1.2083		32,207.5539
Total	**25.7983**	**214.1235**	**197.6929**	**0.7863**	**40.4888**	**1.6574**	**42.1463**	**10.9868**	**1.5782**	**12.5650**		**80,908.1001**	**80,908.1001**	**4.4534**		**81,019.4347**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.6826	201.8077	43.3995	0.4626	10.9075	1.4454	12.3528	3.1404	1.3827	4.5232		48,730.7539	48,730.7539	3.2451		48,811.8808
Worker	19.1157	12.3158	154.2935	0.3237	29.5814	0.2121	29.7934	7.8464	0.1955	8.0418		32,177.3462	32,177.3462	1.2083		32,207.5539
Total	**25.7983**	**214.1235**	**197.6929**	**0.7863**	**40.4888**	**1.6574**	**42.1463**	**10.9868**	**1.5782**	**12.5650**		**80,908.1001**	**80,908.1001**	**4.4534**		**81,019.4347**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9436	189.3428	38.6013	0.4577	10.9073	1.2229	12.1302	3.1404	1.1699	4.3103		48,243.8199	48,243.8199	3.1682		48,323.0250
Worker	17.3721	10.8245	136.7936	0.3125	29.5814	0.2053	29.7867	7.8464	0.1891	8.0355		31,085.7056	31,085.7056	1.0619		31,112.2537
Total	**23.3157**	**200.1672**	**175.3948**	**0.7702**	**40.4886**	**1.4283**	**41.9169**	**10.9867**	**1.3590**	**12.3458**		**79,329.5255**	**79,329.5255**	**4.2301**		**79,435.2787**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9436	189.3428	38.6013	0.4577	10.9073	1.2229	12.1302	3.1404	1.1699	4.3103		48,243.8199	48,243.8199	3.1682		48,323.0250
Worker	17.3721	10.8245	136.7936	0.3125	29.5814	0.2053	29.7867	7.8464	0.1891	8.0355		31,085.7056	31,085.7056	1.0619		31,112.2537
Total	**23.3157**	**200.1672**	**175.3948**	**0.7702**	**40.4886**	**1.4283**	**41.9169**	**10.9867**	**1.3590**	**12.3458**		**79,329.5255**	**79,329.5255**	**4.2301**		**79,435.2787**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.0211	173.1686	33.8744	0.4544	10.9071	0.8247	11.7317	3.1403	0.7889	3.9292		47,915.0728	47,915.0728	3.0223		47,990.6295
Worker	15.9819	9.6103	123.3622	0.3026	29.5814	0.2001	29.7815	7.8464	0.1843	8.0306		30,118.1131	30,118.1131	0.9364		30,141.5238
Total	**21.0031**	**182.7789**	**157.2366**	**0.7570**	**40.4884**	**1.0248**	**41.5132**	**10.9867**	**0.9732**	**11.9598**		**78,033.1860**	**78,033.1860**	**3.9587**		**78,132.1533**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.0211	173.1686	33.8744	0.4544	10.9071	0.8247	11.7317	3.1403	0.7889	3.9292		47,915.0728	47,915.0728	3.0223		47,990.6295
Worker	15.9819	9.6103	123.3622	0.3026	29.5814	0.2001	29.7815	7.8464	0.1843	8.0306		30,118.1131	30,118.1131	0.9364		30,141.5238
Total	**21.0031**	**182.7789**	**157.2366**	**0.7570**	**40.4884**	**1.0248**	**41.5132**	**10.9867**	**0.9732**	**11.9598**		**78,033.1860**	**78,033.1860**	**3.9587**		**78,132.1533**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2695	157.8992	29.8541	0.4518	10.9069	0.2801	11.1870	3.1402	0.2679	3.4081		47,664.3505	47,664.3505	2.9242		47,737.4556
Worker	14.8635	8.6112	113.4663	0.2929	29.5814	0.1953	29.7767	7.8464	0.1799	8.0262		29,158.9158	29,158.9158	0.8448		29,180.0350
Total	**19.1330**	**166.5104**	**143.3203**	**0.7447**	**40.4883**	**0.4754**	**40.9637**	**10.9866**	**0.4477**	**11.4343**		**76,823.2663**	**76,823.2663**	**3.7690**		**76,917.4906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2695	157.8992	29.8541	0.4518	10.9069	0.2801	11.1870	3.1402	0.2679	3.4081		47,664.3505	47,664.3505	2.9242		47,737.4556
Worker	14.8635	8.6112	113.4663	0.2929	29.5814	0.1953	29.7767	7.8464	0.1799	8.0262		29,158.9158	29,158.9158	0.8448		29,180.0350
Total	**19.1330**	**166.5104**	**143.3203**	**0.7447**	**40.4883**	**0.4754**	**40.9637**	**10.9866**	**0.4477**	**11.4343**		**76,823.2663**	**76,823.2663**	**3.7690**		**76,917.4906**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.9783	149.5822	27.6130	0.4480	10.9067	0.2354	11.1422	3.1402	0.2251	3.3653		47,281.1222	47,281.1222	2.8235		47,351.7084
Worker	13.8652	7.7379	104.1698	0.2822	29.5814	0.1897	29.7710	7.8464	0.1746	8.0210		28,107.3785	28,107.3785	0.7575		28,126.3150
Total	**17.8435**	**157.3201**	**131.7828**	**0.7303**	**40.4881**	**0.4251**	**40.9132**	**10.9865**	**0.3997**	**11.3863**		**75,388.5007**	**75,388.5007**	**3.5809**		**75,478.0233**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.9783	149.5822	27.6130	0.4480	10.9067	0.2354	11.1422	3.1402	0.2251	3.3653		47,281.1222	47,281.1222	2.8235		47,351.7084
Worker	13.8652	7.7379	104.1698	0.2822	29.5814	0.1897	29.7710	7.8464	0.1746	8.0210		28,107.3785	28,107.3785	0.7575		28,126.3150
Total	**17.8435**	**157.3201**	**131.7828**	**0.7303**	**40.4881**	**0.4251**	**40.9132**	**10.9865**	**0.3997**	**11.3863**		**75,388.5007**	**75,388.5007**	**3.5809**		**75,478.0233**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0796	0.0513	0.6427	1.3500e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		134.0350	134.0350	5.0300e-003		134.1609
Total	**0.0796**	**0.0513**	**0.6427**	**1.3500e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**134.0350**	**134.0350**	**5.0300e-003**		**134.1609**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0451	0.5698	1.3000e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		129.4878	129.4878	4.4200e-003		129.5984
Total	**0.0724**	**0.0451**	**0.5698**	**1.3000e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**129.4878**	**129.4878**	**4.4200e-003**		**129.5984**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0400	0.5139	1.2600e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		125.4573	125.4573	3.9000e-003		125.5548
Total	**0.0666**	**0.0400**	**0.5139**	**1.2600e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**125.4573**	**125.4573**	**3.9000e-003**		**125.5548**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0619	0.0359	0.4726	1.2200e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		121.4617	121.4617	3.5200e-003		121.5497
Total	**0.0619**	**0.0359**	**0.4726**	**1.2200e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**121.4617**	**121.4617**	**3.5200e-003**		**121.5497**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0322	0.4339	1.1800e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		117.0816	117.0816	3.1600e-003		117.1604
Total	**0.0578**	**0.0322**	**0.4339**	**1.1800e-003**	**0.1232**	**7.9000e-004**	**0.1240**	**0.0327**	**7.3000e-004**	**0.0334**		**117.0816**	**117.0816**	**3.1600e-003**		**117.1604**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0322	0.4339	1.1800e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		117.0816	117.0816	3.1600e-003		117.1604
Total	**0.0578**	**0.0322**	**0.4339**	**1.1800e-003**	**0.1232**	**7.9000e-004**	**0.1240**	**0.0327**	**7.3000e-004**	**0.0334**		**117.0816**	**117.0816**	**3.1600e-003**		**117.1604**

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**247.1589**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8221	2.4625	30.8501	0.0647	5.9146	0.0424	5.9570	1.5688	0.0391	1.6079		6,433.6821	6,433.6821	0.2416		6,439.7220
Total	**3.8221**	**2.4625**	**30.8501**	**0.0647**	**5.9146**	**0.0424**	**5.9570**	**1.5688**	**0.0391**	**1.6079**		**6,433.6821**	**6,433.6821**	**0.2416**		**6,439.7220**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**247.1589**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.8221	2.4625	30.8501	0.0647	5.9146	0.0424	5.9570	1.5688	0.0391	1.6079		6,433.6821	6,433.6821	0.2416		6,439.7220
Total	**3.8221**	**2.4625**	**30.8501**	**0.0647**	**5.9146**	**0.0424**	**5.9570**	**1.5688**	**0.0391**	**1.6079**		**6,433.6821**	**6,433.6821**	**0.2416**		**6,439.7220**

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**247.1267**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4735	2.1643	27.3511	0.0625	5.9146	0.0411	5.9557	1.5688	0.0378	1.6067		6,215.4146	6,215.4146	0.2123		6,220.7228
Total	**3.4735**	**2.1643**	**27.3511**	**0.0625**	**5.9146**	**0.0411**	**5.9557**	**1.5688**	**0.0378**	**1.6067**		**6,215.4146**	**6,215.4146**	**0.2123**		**6,220.7228**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**247.1267**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4735	2.1643	27.3511	0.0625	5.9146	0.0411	5.9557	1.5688	0.0378	1.6067		6,215.4146	6,215.4146	0.2123		6,220.7228
Total	**3.4735**	**2.1643**	**27.3511**	**0.0625**	**5.9146**	**0.0411**	**5.9557**	**1.5688**	**0.0378**	**1.6067**		**6,215.4146**	**6,215.4146**	**0.2123**		**6,220.7228**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**247.1025**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.1955	1.9215	24.6656	0.0605	5.9146	0.0400	5.9546	1.5688	0.0369	1.6057		6,021.9499	6,021.9499	0.1872		6,026.6307
Total	**3.1955**	**1.9215**	**24.6656**	**0.0605**	**5.9146**	**0.0400**	**5.9546**	**1.5688**	**0.0369**	**1.6057**		**6,021.9499**	**6,021.9499**	**0.1872**		**6,026.6307**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**247.1025**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.1955	1.9215	24.6656	0.0605	5.9146	0.0400	5.9546	1.5688	0.0369	1.6057		6,021.9499	6,021.9499	0.1872		6,026.6307
Total	**3.1955**	**1.9215**	**24.6656**	**0.0605**	**5.9146**	**0.0400**	**5.9546**	**1.5688**	**0.0369**	**1.6057**		**6,021.9499**	**6,021.9499**	**0.1872**		**6,026.6307**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**247.0792**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9719	1.7218	22.6870	0.0586	5.9146	0.0391	5.9537	1.5688	0.0360	1.6048		5,830.1637	5,830.1637	0.1689		5,834.3863
Total	**2.9719**	**1.7218**	**22.6870**	**0.0586**	**5.9146**	**0.0391**	**5.9537**	**1.5688**	**0.0360**	**1.6048**		**5,830.1637**	**5,830.1637**	**0.1689**		**5,834.3863**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**247.0792**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9719	1.7218	22.6870	0.0586	5.9146	0.0391	5.9537	1.5688	0.0360	1.6048		5,830.1637	5,830.1637	0.1689		5,834.3863
Total	**2.9719**	**1.7218**	**22.6870**	**0.0586**	**5.9146**	**0.0391**	**5.9537**	**1.5688**	**0.0360**	**1.6048**		**5,830.1637**	**5,830.1637**	**0.1689**		**5,834.3863**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**247.0648**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.7723	1.5472	20.8282	0.0564	5.9146	0.0379	5.9526	1.5688	0.0349	1.6038		5,619.9146	5,619.9146	0.1515		5,623.7009
Total	**2.7723**	**1.5472**	**20.8282**	**0.0564**	**5.9146**	**0.0379**	**5.9526**	**1.5688**	**0.0349**	**1.6038**		**5,619.9146**	**5,619.9146**	**0.1515**		**5,623.7009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**247.0648**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.7723	1.5472	20.8282	0.0564	5.9146	0.0379	5.9526	1.5688	0.0349	1.6038		5,619.9146	5,619.9146	0.1515		5,623.7009
Total	**2.7723**	**1.5472**	**20.8282**	**0.0564**	**5.9146**	**0.0379**	**5.9526**	**1.5688**	**0.0349**	**1.6038**		**5,619.9146**	**5,619.9146**	**0.1515**		**5,623.7009**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	427.0656	2,523.8577	5,617.1893	25.2186	2,073.8910	14.4159	2,088.3069	554.8157	13.4264	568.2421		2,577,626.6977	2,577,626.6977	104.7033		2,580,244.2793
Unmitigated	427.0656	2,523.8577	5,617.1893	25.2186	2,073.8910	14.4159	2,088.3069	554.8157	13.4264	568.2421		2,577,626.6977	2,577,626.6977	104.7033		2,580,244.2793

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	18,193.93	4,595.18	1961.36	33,294,784	33,294,784
Industrial Park	19,170.40	9,623.85	2821.45	471,646,004	471,646,004
Regional Shopping Center	143,038.53	189,341.33	95636.88	250,514,908	250,514,908
Single Family Housing	4,529.10	4,608.15	4008.30	12,683,956	12,683,956
Total	184,931.96	208,168.51	104,427.99	768,139,652	768,139,652

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580
NaturalGas Unmitigated	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17860.7	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2635	2,101.2635	0.0403	0.0385	2,113.7502
Industrial Park	36955.8	0.3985	3.6231	3.0434	0.0217		0.2754	0.2754		0.2754	0.2754		4,347.7357	4,347.7357	0.0833	0.0797	4,373.5721
Regional Shopping Center	23149.8	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	47298	0.5101	4.3588	1.8548	0.0278		0.3524	0.3524		0.3524	0.3524		5,564.4725	5,564.4725	0.1067	0.1020	5,597.5394
Total		**1.3509**	**12.0026**	**8.2756**	**0.0737**		**0.9334**	**0.9334**		**0.9334**	**0.9334**		**14,736.9835**	**14,736.9835**	**0.2825**	**0.2702**	**14,824.5580**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17.8607	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2635	2,101.2635	0.0403	0.0385	2,113.7502
Industrial Park	36.9558	0.3985	3.6231	3.0434	0.0217		0.2754	0.2754		0.2754	0.2754		4,347.7357	4,347.7357	0.0833	0.0797	4,373.5721
Regional Shopping Center	23.1498	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	47.298	0.5101	4.3588	1.8548	0.0278		0.3524	0.3524		0.3524	0.3524		5,564.4725	5,564.4725	0.1067	0.1020	5,597.5394
Total		**1.3509**	**12.0026**	**8.2756**	**0.0737**		**0.9334**	**0.9334**		**0.9334**	**0.9334**		**14,736.9835**	**14,736.9835**	**0.2825**	**0.2702**	**14,824.5580**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209
Unmitigated	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	67.6330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	221.6838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	711.6337	13.8974	878.4345	1.5915		123.1649	123.1649		123.1649	123.1649	12,913.8548	5,415.8824	18,329.7371	11.9173	1.0158	18,930.3709
Landscaping	1.2400	0.4503	39.2964	2.1000e-003		0.2161	0.2161		0.2161	0.2161		71.1608	71.1608	0.0716		72.9500
Total	**1,002.1905**	**14.3476**	**917.7309**	**1.5936**		**123.3810**	**123.3810**		**123.3810**	**123.3810**	**12,913.8548**	**5,487.0431**	**18,400.8979**	**11.9889**	**1.0158**	**19,003.3209**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	67.6330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	221.6838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	711.6337	13.8974	878.4345	1.5915		123.1649	123.1649		123.1649	123.1649	12,913.8548	5,415.8824	18,329.7371	11.9173	1.0158	18,930.3709
Landscaping	1.2400	0.4503	39.2964	2.1000e-003		0.2161	0.2161		0.2161	0.2161		71.1608	71.1608	0.0716		72.9500
Total	**1,002.1905**	**14.3476**	**917.7309**	**1.5936**		**123.3810**	**123.3810**		**123.3810**	**123.3810**	**12,913.8548**	**5,487.0431**	**18,400.8979**	**11.9889**	**1.0158**	**19,003.3209**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

AV Annexation 2017 plus SB County

San Bernardino-Mojave Desert County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	465.00	Dwelling Unit	1,600.00	837,000.00	1330
General Office Building	1,867.96	1000sqft	209.00	1,867,957.00	0
Regional Shopping Center	3,789.10	1000sqft	557.00	3,789,101.00	0
Industrial Park	3,865.00	1000sqft	408.00	3,865,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Buildout of 2017 Annexation (Golden Triangle Area) plus remaining county land within 2008 Annexation area.

Off-road Equipment -

Vehicle Trips - Trip rates provided by project specific Traffic Study.

Construction Phase - GP buildout is 2025.

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	155,000.00	1,000.00
tblConstructionPhase	NumDays	10,000.00	1,000.00
tblConstructionPhase	NumDays	15,500.00	1,000.00
tblConstructionPhase	NumDays	11,000.00	1,000.00
tblConstructionPhase	NumDays	6,000.00	1,000.00
tblConstructionPhase	PhaseEndDate	1/6/2817	9/8/2022
tblConstructionPhase	PhaseEndDate	9/9/2732	5/25/2022
tblConstructionPhase	PhaseEndDate	2/25/2056	8/27/2021
tblConstructionPhase	PhaseEndDate	7/25/2138	12/24/2021
tblConstructionPhase	PhaseEndDate	11/8/2774	7/8/2022
tblConstructionPhase	PhaseEndDate	2/24/2079	12/24/2021
tblConstructionPhase	PhaseStartDate	11/9/2774	11/9/2018
tblConstructionPhase	PhaseStartDate	7/26/2138	7/26/2018
tblConstructionPhase	PhaseStartDate	2/25/2079	2/25/2018
tblConstructionPhase	PhaseStartDate	9/10/2732	9/10/2018
tblConstructionPhase	PhaseStartDate	2/26/2056	2/26/2018
tblGrading	AcresOfGrading	2,500.00	38,750.00
tblLandUse	BuildingSpaceSquareFeet	1,867,960.00	1,867,957.00
tblLandUse	BuildingSpaceSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LandUseSquareFeet	1,867,960.00	1,867,957.00
tblLandUse	LandUseSquareFeet	3,789,100.00	3,789,101.00
tblLandUse	LotAcreage	150.97	1,600.00
tblLandUse	LotAcreage	42.88	209.00
tblLandUse	LotAcreage	86.99	557.00

tblLandUse	LotAcreage	88.73	408.00
tblProjectCharacteristics	OperationalYear	2018	2025
tblVehicleTrips	CC_TL	7.30	100.00
tblVehicleTrips	CNW_TL	7.30	100.00
tblVehicleTrips	CW_TL	9.50	100.00
tblVehicleTrips	WD_TR	11.03	9.74
tblVehicleTrips	WD_TR	6.83	4.96
tblVehicleTrips	WD_TR	42.70	37.75
tblVehicleTrips	WD_TR	9.52	9.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.1901	42.8097	23.6284	0.0401	0.1232	2.1944	2.3176	0.0327	2.0434	2.0760	0.0000	4,048.0562	4,048.0562	1.0781	0.0000	4,075.0074
2018	294.5695	405.9480	320.8046	0.9913	112.1448	11.4771	123.6219	30.3819	10.6764	41.0584	0.0000	101,292.4486	101,292.4486	10.4590	0.0000	101,553.9242
2019	290.4338	376.3898	294.7593	0.9741	112.1446	10.2997	122.4443	30.3819	9.5760	39.9579	0.0000	99,318.3986	99,318.3986	10.2021	0.0000	99,573.4521
2020	286.7544	345.0216	273.1128	0.9599	112.1444	9.0892	121.2336	30.3818	8.4402	38.8220	0.0000	97,557.0497	97,557.0497	9.8985	0.0000	97,804.5128
2021	283.7423	317.6264	256.5509	0.9469	112.1442	7.8372	119.9814	30.3817	7.2616	37.6433	0.0000	96,267.8300	96,267.8300	9.6875	0.0000	96,510.0174
2022	270.4782	185.9056	169.2813	0.7889	46.5259	1.9290	48.4550	12.5880	1.8070	14.3951	0.0000	80,926.2210	80,926.2210	5.2824	0.0000	81,058.2812
Maximum	**294.5695**	**405.9480**	**320.8046**	**0.9913**	**112.1448**	**11.4771**	**123.6219**	**30.3819**	**10.6764**	**41.0584**	**0.0000**	**101,292.4486**	**101,292.4486**	**10.4590**	**0.0000**	**101,553.9242**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.1901	42.8097	23.6284	0.0401	0.1232	2.1944	2.3176	0.0327	2.0434	2.0760	0.0000	4,048.0562	4,048.0562	1.0781	0.0000	4,075.0074
2018	294.5695	405.9480	320.8046	0.9913	112.1448	11.4771	123.6219	30.3819	10.6764	41.0584	0.0000	101,292.4486	101,292.4486	10.4590	0.0000	101,553.9242
2019	290.4338	376.3898	294.7593	0.9741	112.1446	10.2997	122.4443	30.3819	9.5760	39.9579	0.0000	99,318.3986	99,318.3986	10.2021	0.0000	99,573.4520
2020	286.7544	345.0216	273.1128	0.9599	112.1444	9.0892	121.2336	30.3818	8.4402	38.8220	0.0000	97,557.0497	97,557.0497	9.8985	0.0000	97,804.5128
2021	283.7423	317.6264	256.5509	0.9469	112.1442	7.8372	119.9814	30.3817	7.2616	37.6433	0.0000	96,267.8300	96,267.8300	9.6875	0.0000	96,510.0174
2022	270.4782	185.9056	169.2813	0.7889	46.5259	1.9290	48.4550	12.5880	1.8070	14.3951	0.0000	80,926.2210	80,926.2210	5.2824	0.0000	81,058.2812
Maximum	**294.5695**	**405.9480**	**320.8046**	**0.9913**	**112.1448**	**11.4771**	**123.6219**	**30.3819**	**10.6764**	**41.0584**	**0.0000**	**101,292.4486**	**101,292.4486**	**10.4590**	**0.0000**	**101,553.9242**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209
Energy	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580
Mobile	373.1716	2,530.1491	4,845.1137	23.3107	2,073.8910	14.4778	2,088.3687	554.8157	13.4856	568.3013		2,385,918.8662	2,385,918.8662	105.7094		2,388,561.6006
Total	**1,376.7130**	**2,556.4994**	**5,771.1201**	**24.9779**	**2,073.8910**	**138.7921**	**2,212.6831**	**554.8157**	**137.8000**	**692.6156**	**12,913.8548**	**2,406,142.8928**	**2,419,056.7476**	**117.9807**	**1.2860**	**2,422,389.4794**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209
Energy	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580
Mobile	373.1716	2,530.1491	4,845.1137	23.3107	2,073.8910	14.4778	2,088.3687	554.8157	13.4856	568.3013		2,385,918.8662	2,385,918.8662	105.7094		2,388,561.6006
Total	**1,376.7130**	**2,556.4994**	**5,771.1201**	**24.9779**	**2,073.8910**	**138.7921**	**2,212.6831**	**554.8157**	**137.8000**	**692.6156**	**12,913.8548**	**2,406,142.8928**	**2,419,056.7476**	**117.9807**	**1.2860**	**2,422,389.4794**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/30/2017	8/27/2021	5	1000	
2	Site Preparation	Site Preparation	2/26/2018	12/24/2021	5	1000	
3	Grading	Grading	2/25/2018	12/24/2021	5	1000	
4	Building Construction	Building Construction	7/26/2018	5/25/2022	5	1000	
5	Paving	Paving	9/10/2018	7/8/2022	5	1000	
6	Architectural Coating	Architectural Coating	11/9/2018	9/8/2022	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 1,694,925; Residential Outdoor: 564,975; Non-Residential Indoor: 14,283,087; Non-Residential Outdoor: 4,761,029; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

AV Annexation 2017 plus SB County - San Bernardino-Mojave Desert County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	720.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,601.00	1,610.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425		3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**		**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.2 Demolition - 2017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1031	42.7475	23.0122	0.0388		2.1935	2.1935		2.0425	2.0425	0.0000	3,924.2833	3,924.2833	1.0730		3,951.1070
Total	**4.1031**	**42.7475**	**23.0122**	**0.0388**		**2.1935**	**2.1935**		**2.0425**	**2.0425**	**0.0000**	**3,924.2833**	**3,924.2833**	**1.0730**		**3,951.1070**

3.2 Demolition - 2017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0870	0.0622	0.6162	1.2500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		123.7729	123.7729	5.1000e-003		123.9005
Total	**0.0870**	**0.0622**	**0.6162**	**1.2500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**123.7729**	**123.7729**	**5.1000e-003**		**123.9005**

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.2 Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**		**1.9386**	**1.9386**		**1.8048**	**1.8048**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

3.2 Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**		**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	**3.5134**	**35.7830**	**22.0600**	**0.0388**		**1.7949**	**1.7949**		**1.6697**	**1.6697**	**0.0000**	**3,816.8994**	**3,816.8994**	**1.0618**		**3,843.4451**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**		**1.6587**	**1.6587**		**1.5419**	**1.5419**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**		**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	**3.1651**	**31.4407**	**21.5650**	**0.0388**		**1.5513**	**1.5513**		**1.4411**	**1.4411**	**0.0000**	**3,747.9449**	**3,747.9449**	**1.0549**		**3,774.3174**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.3 Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.0649	0.6458	1.4500e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		144.3773	144.3773	5.3600e-003		144.5112
Total	**0.0932**	**0.0649**	**0.6458**	**1.4500e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**144.3773**	**144.3773**	**5.3600e-003**		**144.5112**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

3.3 Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0932	0.0649	0.6458	1.4500e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		144.3773	144.3773	5.3600e-003		144.5112
Total	**0.0932**	**0.0649**	**0.6458**	**1.4500e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**144.3773**	**144.3773**	**5.3600e-003**		**144.5112**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**		**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0848	0.0570	0.5715	1.4000e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		139.4726	139.4726	4.7000e-003		139.5900
Total	**0.0848**	**0.0570**	**0.5715**	**1.4000e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**139.4726**	**139.4726**	**4.7000e-003**		**139.5900**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	**4.3350**	**45.5727**	**22.0630**	**0.0380**	**18.0663**	**2.3904**	**20.4566**	**9.9307**	**2.1991**	**12.1298**	**0.0000**	**3,766.4529**	**3,766.4529**	**1.1917**		**3,796.2445**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0848	0.0570	0.5715	1.4000e-003	0.1479	1.0300e-003	0.1489	0.0392	9.5000e-004	0.0402		139.4726	139.4726	4.7000e-003		139.5900
Total	**0.0848**	**0.0570**	**0.5715**	**1.4000e-003**	**0.1479**	**1.0300e-003**	**0.1489**	**0.0392**	**9.5000e-004**	**0.0402**		**139.4726**	**139.4726**	**4.7000e-003**		**139.5900**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0506	0.5144	1.3600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		135.1266	135.1266	4.1400e-003		135.2301
Total	**0.0781**	**0.0506**	**0.5144**	**1.3600e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**135.1266**	**135.1266**	**4.1400e-003**		**135.2301**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0781	0.0506	0.5144	1.3600e-003	0.1479	1.0000e-003	0.1489	0.0392	9.2000e-004	0.0401		135.1266	135.1266	4.1400e-003		135.2301
Total	**0.0781**	**0.0506**	**0.5144**	**1.3600e-003**	**0.1479**	**1.0000e-003**	**0.1489**	**0.0392**	**9.2000e-004**	**0.0401**		**135.1266**	**135.1266**	**4.1400e-003**		**135.2301**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**		**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0728	0.0453	0.4720	1.3100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		130.8293	130.8293	3.7300e-003		130.9226
Total	**0.0728**	**0.0453**	**0.4720**	**1.3100e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**130.8293**	**130.8293**	**3.7300e-003**		**130.9226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	**3.8882**	**40.4971**	**21.1543**	**0.0380**	**18.0663**	**2.0445**	**20.1107**	**9.9307**	**1.8809**	**11.8116**	**0.0000**	**3,685.6569**	**3,685.6569**	**1.1920**		**3,715.4573**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0728	0.0453	0.4720	1.3100e-003	0.1479	9.8000e-004	0.1488	0.0392	9.0000e-004	0.0401		130.8293	130.8293	3.7300e-003		130.9226
Total	**0.0728**	**0.0453**	**0.4720**	**1.3100e-003**	**0.1479**	**9.8000e-004**	**0.1488**	**0.0392**	**9.0000e-004**	**0.0401**		**130.8293**	**130.8293**	**3.7300e-003**		**130.9226**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**		**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.4 Grading - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1036	0.0721	0.7175	1.6100e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		160.4193	160.4193	5.9500e-003		160.5680
Total	**0.1036**	**0.0721**	**0.7175**	**1.6100e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**160.4193**	**160.4193**	**5.9500e-003**		**160.5680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	**5.0901**	**59.5218**	**35.0894**	**0.0620**	**47.1165**	**2.6337**	**49.7502**	**7.7475**	**2.4230**	**10.1705**	**0.0000**	**6,244.4284**	**6,244.4284**	**1.9440**		**6,293.0278**

3.4 Grading - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1036	0.0721	0.7175	1.6100e-003	0.1643	1.1800e-003	0.1655	0.0436	1.0900e-003	0.0447		160.4193	160.4193	5.9500e-003		160.5680
Total	**0.1036**	**0.0721**	**0.7175**	**1.6100e-003**	**0.1643**	**1.1800e-003**	**0.1655**	**0.0436**	**1.0900e-003**	**0.0447**		**160.4193**	**160.4193**	**5.9500e-003**		**160.5680**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**		**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0633	0.6350	1.5600e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		154.9695	154.9695	5.2200e-003		155.1000
Total	**0.0942**	**0.0633**	**0.6350**	**1.5600e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**154.9695**	**154.9695**	**5.2200e-003**		**155.1000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	**4.7389**	**54.5202**	**33.3768**	**0.0620**	**47.1165**	**2.3827**	**49.4991**	**7.7475**	**2.1920**	**9.9395**	**0.0000**	**6,140.0195**	**6,140.0195**	**1.9426**		**6,188.5854**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0942	0.0633	0.6350	1.5600e-003	0.1643	1.1400e-003	0.1654	0.0436	1.0500e-003	0.0446		154.9695	154.9695	5.2200e-003		155.1000
Total	**0.0942**	**0.0633**	**0.6350**	**1.5600e-003**	**0.1643**	**1.1400e-003**	**0.1654**	**0.0436**	**1.0500e-003**	**0.0446**		**154.9695**	**154.9695**	**5.2200e-003**		**155.1000**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0562	0.5715	1.5100e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		150.1407	150.1407	4.6000e-003		150.2557
Total	**0.0868**	**0.0562**	**0.5715**	**1.5100e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**150.1407**	**150.1407**	**4.6000e-003**		**150.2557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**47.1165**	**2.1739**	**49.2904**	**7.7475**	**2.0000**	**9.7475**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0868	0.0562	0.5715	1.5100e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		150.1407	150.1407	4.6000e-003		150.2557
Total	**0.0868**	**0.0562**	**0.5715**	**1.5100e-003**	**0.1643**	**1.1100e-003**	**0.1654**	**0.0436**	**1.0200e-003**	**0.0446**		**150.1407**	**150.1407**	**4.6000e-003**		**150.2557**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0808	0.0503	0.5245	1.4600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		145.3658	145.3658	4.1500e-003		145.4696
Total	**0.0808**	**0.0503**	**0.5245**	**1.4600e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**145.3658**	**145.3658**	**4.1500e-003**		**145.4696**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					47.1165	0.0000	47.1165	7.7475	0.0000	7.7475			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**47.1165**	**1.9853**	**49.1018**	**7.7475**	**1.8265**	**9.5740**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0808	0.0503	0.5245	1.4600e-003	0.1643	1.0800e-003	0.1654	0.0436	1.0000e-003	0.0446		145.3658	145.3658	4.1500e-003		145.4696
Total	**0.0808**	**0.0503**	**0.5245**	**1.4600e-003**	**0.1643**	**1.0800e-003**	**0.1654**	**0.0436**	**1.0000e-003**	**0.0446**		**145.3658**	**145.3658**	**4.1500e-003**		**145.4696**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.5 Building Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9884	201.1699	49.2482	0.4457	10.9075	1.4629	12.3703	3.1404	1.3994	4.5399		46,944.1523	46,944.1523	3.5665		47,033.3158
Worker	18.6468	12.9784	129.1861	0.2904	29.5814	0.2121	29.7934	7.8464	0.1955	8.0418		28,883.4866	28,883.4866	1.0715		28,910.2727
Total	**25.6352**	**214.1483**	**178.4343**	**0.7362**	**40.4888**	**1.6749**	**42.1638**	**10.9868**	**1.5949**	**12.5817**		**75,827.6389**	**75,827.6389**	**4.6380**		**75,943.5885**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

3.5 Building Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.9884	201.1699	49.2482	0.4457	10.9075	1.4629	12.3703	3.1404	1.3994	4.5399		46,944.1523	46,944.1523	3.5665		47,033.3158
Worker	18.6468	12.9784	129.1861	0.2904	29.5814	0.2121	29.7934	7.8464	0.1955	8.0418		28,883.4866	28,883.4866	1.0715		28,910.2727
Total	**25.6352**	**214.1483**	**178.4343**	**0.7362**	**40.4888**	**1.6749**	**42.1638**	**10.9868**	**1.5949**	**12.5817**		**75,827.6389**	**75,827.6389**	**4.6380**		**75,943.5885**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.2333	188.4617	44.2426	0.4408	10.9073	1.2383	12.1455	3.1404	1.1846	4.3249		46,456.9342	46,456.9342	3.4914		46,544.2191
Worker	16.9596	11.3994	114.3286	0.2804	29.5814	0.2053	29.7867	7.8464	0.1891	8.0355		27,902.2627	27,902.2627	0.9398		27,925.7569
Total	**23.1929**	**199.8612**	**158.5712**	**0.7212**	**40.4886**	**1.4436**	**41.9322**	**10.9867**	**1.3737**	**12.3604**		**74,359.1969**	**74,359.1969**	**4.4312**		**74,469.9760**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

3.5 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.2333	188.4617	44.2426	0.4408	10.9073	1.2383	12.1455	3.1404	1.1846	4.3249		46,456.9342	46,456.9342	3.4914		46,544.2191
Worker	16.9596	11.3994	114.3286	0.2804	29.5814	0.2053	29.7867	7.8464	0.1891	8.0355		27,902.2627	27,902.2627	0.9398		27,925.7569
Total	**23.1929**	**199.8612**	**158.5712**	**0.7212**	**40.4886**	**1.4436**	**41.9322**	**10.9867**	**1.3737**	**12.3604**		**74,359.1969**	**74,359.1969**	**4.4312**		**74,469.9760**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.2892	171.9426	39.1332	0.4375	10.9071	0.8345	11.7416	3.1403	0.7983	3.9386		46,127.7672	46,127.7672	3.3382		46,211.2230
Worker	15.6279	10.1144	102.9042	0.2715	29.5814	0.2001	29.7815	7.8464	0.1843	8.0306		27,032.8245	27,032.8245	0.8282		27,053.5292
Total	**20.9170**	**182.0570**	**142.0374**	**0.7090**	**40.4884**	**1.0346**	**41.5231**	**10.9867**	**0.9826**	**11.9693**		**73,160.5917**	**73,160.5917**	**4.1664**		**73,264.7522**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.2892	171.9426	39.1332	0.4375	10.9071	0.8345	11.7416	3.1403	0.7983	3.9386		46,127.7672	46,127.7672	3.3382		46,211.2230
Worker	15.6279	10.1144	102.9042	0.2715	29.5814	0.2001	29.7815	7.8464	0.1843	8.0306		27,032.8245	27,032.8245	0.8282		27,053.5292
Total	**20.9170**	**182.0570**	**142.0374**	**0.7090**	**40.4884**	**1.0346**	**41.5231**	**10.9867**	**0.9826**	**11.9693**		**73,160.5917**	**73,160.5917**	**4.1664**		**73,264.7522**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.5233	156.3691	34.8074	0.4350	10.9069	0.2875	11.1944	3.1402	0.2750	3.4152		45,884.6279	45,884.6279	3.2380		45,965.5779
Worker	14.5541	9.0593	94.4348	0.2628	29.5814	0.1953	29.7767	7.8464	0.1799	8.0262		26,173.1198	26,173.1198	0.7471		26,191.7976
Total	**19.0774**	**165.4283**	**129.2422**	**0.6978**	**40.4883**	**0.4828**	**40.9711**	**10.9866**	**0.4548**	**11.4414**		**72,057.7478**	**72,057.7478**	**3.9851**		**72,157.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.5233	156.3691	34.8074	0.4350	10.9069	0.2875	11.1944	3.1402	0.2750	3.4152		45,884.6279	45,884.6279	3.2380		45,965.5779
Worker	14.5541	9.0593	94.4348	0.2628	29.5814	0.1953	29.7767	7.8464	0.1799	8.0262		26,173.1198	26,173.1198	0.7471		26,191.7976
Total	**19.0774**	**165.4283**	**129.2422**	**0.6978**	**40.4883**	**0.4828**	**40.9711**	**10.9866**	**0.4548**	**11.4414**		**72,057.7478**	**72,057.7478**	**3.9851**		**72,157.3755**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2201	147.9588	32.3225	0.4312	10.9067	0.2420	11.1488	3.1402	0.2315	3.3716		45,501.8581	45,501.8581	3.1311		45,580.1361
Worker	13.6069	8.1370	86.5380	0.2533	29.5814	0.1897	29.7710	7.8464	0.1746	8.0210		25,231.0186	25,231.0186	0.6702		25,247.7740
Total	**17.8270**	**156.0958**	**118.8605**	**0.6845**	**40.4881**	**0.4317**	**40.9198**	**10.9865**	**0.4061**	**11.3926**		**70,732.8767**	**70,732.8767**	**3.8013**		**70,827.9101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2201	147.9588	32.3225	0.4312	10.9067	0.2420	11.1488	3.1402	0.2315	3.3716		45,501.8581	45,501.8581	3.1311		45,580.1361
Worker	13.6069	8.1370	86.5380	0.2533	29.5814	0.1897	29.7710	7.8464	0.1746	8.0210		25,231.0186	25,231.0186	0.6702		25,247.7740
Total	**17.8270**	**156.0958**	**118.8605**	**0.6845**	**40.4881**	**0.4317**	**40.9198**	**10.9865**	**0.4061**	**11.3926**		**70,732.8767**	**70,732.8767**	**3.8013**		**70,827.9101**

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**		**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6437**	**17.5209**	**14.7964**	**0.0228**		**0.9561**	**0.9561**		**0.8797**	**0.8797**	**0.0000**	**2,294.0887**	**2,294.0887**	**0.7142**		**2,311.9432**

3.6 Paving - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0777	0.0541	0.5381	1.2100e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		120.3144	120.3144	4.4600e-003		120.4260
Total	**0.0777**	**0.0541**	**0.5381**	**1.2100e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**120.3144**	**120.3144**	**4.4600e-003**		**120.4260**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

3.6 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0707	0.0475	0.4762	1.1700e-003	0.1232	8.6000e-004	0.1241	0.0327	7.9000e-004	0.0335		116.2271	116.2271	3.9100e-003		116.3250
Total	**0.0707**	**0.0475**	**0.4762**	**1.1700e-003**	**0.1232**	**8.6000e-004**	**0.1241**	**0.0327**	**7.9000e-004**	**0.0335**		**116.2271**	**116.2271**	**3.9100e-003**		**116.3250**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**		**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3566**	**14.0656**	**14.6521**	**0.0228**		**0.7528**	**0.7528**		**0.6926**	**0.6926**	**0.0000**	**2,207.7334**	**2,207.7334**	**0.7140**		**2,225.5841**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0651	0.0421	0.4287	1.1300e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335		112.6055	112.6055	3.4500e-003		112.6917
Total	**0.0651**	**0.0421**	**0.4287**	**1.1300e-003**	**0.1232**	**8.3000e-004**	**0.1241**	**0.0327**	**7.7000e-004**	**0.0335**		**112.6055**	**112.6055**	**3.4500e-003**		**112.6917**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2556**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0606	0.0377	0.3934	1.0900e-003	0.1232	8.1000e-004	0.1240	0.0327	7.5000e-004	0.0334		109.0244	109.0244	3.1100e-003		109.1022
Total	**0.0606**	**0.0377**	**0.3934**	**1.0900e-003**	**0.1232**	**8.1000e-004**	**0.1240**	**0.0327**	**7.5000e-004**	**0.0334**		**109.0244**	**109.0244**	**3.1100e-003**		**109.1022**

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0339	0.3605	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		105.1001	105.1001	2.7900e-003		105.1698
Total	**0.0567**	**0.0339**	**0.3605**	**1.0500e-003**	**0.1232**	**7.9000e-004**	**0.1240**	**0.0327**	**7.3000e-004**	**0.0334**		**105.1001**	**105.1001**	**2.7900e-003**		**105.1698**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1028**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0339	0.3605	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334		105.1001	105.1001	2.7900e-003		105.1698
Total	**0.0567**	**0.0339**	**0.3605**	**1.0500e-003**	**0.1232**	**7.9000e-004**	**0.1240**	**0.0327**	**7.3000e-004**	**0.0334**		**105.1001**	**105.1001**	**2.7900e-003**		**105.1698**

3.7 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	**247.1589**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.7 Architectural Coating - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7283	2.5950	25.8301	0.0581	5.9146	0.0424	5.9570	1.5688	0.0391	1.6079		5,775.0931	5,775.0931	0.2142		5,780.4489
Total	**3.7283**	**2.5950**	**25.8301**	**0.0581**	**5.9146**	**0.0424**	**5.9570**	**1.5688**	**0.0391**	**1.6079**		**5,775.0931**	**5,775.0931**	**0.2142**		**5,780.4489**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	**247.1589**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.1171**

3.7 Architectural Coating - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7283	2.5950	25.8301	0.0581	5.9146	0.0424	5.9570	1.5688	0.0391	1.6079		5,775.0931	5,775.0931	0.2142		5,780.4489
Total	**3.7283**	**2.5950**	**25.8301**	**0.0581**	**5.9146**	**0.0424**	**5.9570**	**1.5688**	**0.0391**	**1.6079**		**5,775.0931**	**5,775.0931**	**0.2142**		**5,780.4489**

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**247.1267**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.3910	2.2793	22.8594	0.0561	5.9146	0.0411	5.9557	1.5688	0.0378	1.6067		5,578.9028	5,578.9028	0.1879		5,583.6004
Total	**3.3910**	**2.2793**	**22.8594**	**0.0561**	**5.9146**	**0.0411**	**5.9557**	**1.5688**	**0.0378**	**1.6067**		**5,578.9028**	**5,578.9028**	**0.1879**		**5,583.6004**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**247.1267**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

3.7 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.3910	2.2793	22.8594	0.0561	5.9146	0.0411	5.9557	1.5688	0.0378	1.6067		5,578.9028	5,578.9028	0.1879		5,583.6004
Total	**3.3910**	**2.2793**	**22.8594**	**0.0561**	**5.9146**	**0.0411**	**5.9557**	**1.5688**	**0.0378**	**1.6067**		**5,578.9028**	**5,578.9028**	**0.1879**		**5,583.6004**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**247.1025**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.1247	2.0223	20.5751	0.0543	5.9146	0.0400	5.9546	1.5688	0.0369	1.6057		5,405.0635	5,405.0635	0.1656		5,409.2033
Total	**3.1247**	**2.0223**	**20.5751**	**0.0543**	**5.9146**	**0.0400**	**5.9546**	**1.5688**	**0.0369**	**1.6057**		**5,405.0635**	**5,405.0635**	**0.1656**		**5,409.2033**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**247.1025**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.1247	2.0223	20.5751	0.0543	5.9146	0.0400	5.9546	1.5688	0.0369	1.6057		5,405.0635	5,405.0635	0.1656		5,409.2033
Total	**3.1247**	**2.0223**	**20.5751**	**0.0543**	**5.9146**	**0.0400**	**5.9546**	**1.5688**	**0.0369**	**1.6057**		**5,405.0635**	**5,405.0635**	**0.1656**		**5,409.2033**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**247.0792**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9100	1.8114	18.8817	0.0525	5.9146	0.0391	5.9537	1.5688	0.0360	1.6048		5,233.1703	5,233.1703	0.1494		5,236.9048
Total	**2.9100**	**1.8114**	**18.8817**	**0.0525**	**5.9146**	**0.0391**	**5.9537**	**1.5688**	**0.0360**	**1.6048**		**5,233.1703**	**5,233.1703**	**0.1494**		**5,236.9048**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**247.0792**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9100	1.8114	18.8817	0.0525	5.9146	0.0391	5.9537	1.5688	0.0360	1.6048		5,233.1703	5,233.1703	0.1494		5,236.9048
Total	**2.9100**	**1.8114**	**18.8817**	**0.0525**	**5.9146**	**0.0391**	**5.9537**	**1.5688**	**0.0360**	**1.6048**		**5,233.1703**	**5,233.1703**	**0.1494**		**5,236.9048**

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**247.0648**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.7206	1.6269	17.3028	0.0506	5.9146	0.0379	5.9526	1.5688	0.0349	1.6038		5,044.8024	5,044.8024	0.1340		5,048.1525
Total	**2.7206**	**1.6269**	**17.3028**	**0.0506**	**5.9146**	**0.0379**	**5.9526**	**1.5688**	**0.0349**	**1.6038**		**5,044.8024**	**5,044.8024**	**0.1340**		**5,048.1525**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.8603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**247.0648**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.7206	1.6269	17.3028	0.0506	5.9146	0.0379	5.9526	1.5688	0.0349	1.6038		5,044.8024	5,044.8024	0.1340		5,048.1525
Total	**2.7206**	**1.6269**	**17.3028**	**0.0506**	**5.9146**	**0.0379**	**5.9526**	**1.5688**	**0.0349**	**1.6038**		**5,044.8024**	**5,044.8024**	**0.1340**		**5,048.1525**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	373.1716	2,530.1491	4,845.1137	23.3107	2,073.8910	14.4778	2,088.3687	554.8157	13.4856	568.3013		2,385,918.8662	2,385,918.8662	105.7094		2,388,561.6006
Unmitigated	373.1716	2,530.1491	4,845.1137	23.3107	2,073.8910	14.4778	2,088.3687	554.8157	13.4856	568.3013		2,385,918.8662	2,385,918.8662	105.7094		2,388,561.6006

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	18,193.93	4,595.18	1961.36	33,294,784	33,294,784
Industrial Park	19,170.40	9,623.85	2821.45	471,646,004	471,646,004
Regional Shopping Center	143,038.53	189,341.33	95636.88	250,514,908	250,514,908
Single Family Housing	4,529.10	4,608.15	4008.30	12,683,956	12,683,956
Total	184,931.96	208,168.51	104,427.99	768,139,652	768,139,652

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Industrial Park	100.00	100.00	100.00	59.00	28.00	13.00	79	19	2
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
General Office Building	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Regional Shopping Center	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784
Industrial Park	0.561207	0.034889	0.182561	0.109119	0.013494	0.004661	0.018668	0.065354	0.001366	0.001451	0.005650	0.000795	0.000784

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580
NaturalGas Unmitigated	1.3509	12.0026	8.2756	0.0737		0.9333	0.9333		0.9333	0.9333		14,736.9835	14,736.9835	0.2825	0.2702	14,824.5580

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17860.7	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2635	2,101.2635	0.0403	0.0385	2,113.7502
Industrial Park	36955.8	0.3985	3.6231	3.0434	0.0217		0.2754	0.2754		0.2754	0.2754		4,347.7357	4,347.7357	0.0833	0.0797	4,373.5721
Regional Shopping Center	23149.8	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	47298	0.5101	4.3588	1.8548	0.0278		0.3524	0.3524		0.3524	0.3524		5,564.4725	5,564.4725	0.1067	0.1020	5,597.5394
Total		**1.3509**	**12.0026**	**8.2756**	**0.0737**		**0.9334**	**0.9334**		**0.9334**	**0.9334**		**14,736.9835**	**14,736.9835**	**0.2825**	**0.2702**	**14,824.5580**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	17.8607	0.1926	1.7511	1.4709	0.0105		0.1331	0.1331		0.1331	0.1331		2,101.2635	2,101.2635	0.0403	0.0385	2,113.7502
Industrial Park	36.9558	0.3985	3.6231	3.0434	0.0217		0.2754	0.2754		0.2754	0.2754		4,347.7357	4,347.7357	0.0833	0.0797	4,373.5721
Regional Shopping Center	23.1498	0.2497	2.2696	1.9065	0.0136		0.1725	0.1725		0.1725	0.1725		2,723.5118	2,723.5118	0.0522	0.0499	2,739.6962
Single Family Housing	47.298	0.5101	4.3588	1.8548	0.0278		0.3524	0.3524		0.3524	0.3524		5,564.4725	5,564.4725	0.1067	0.1020	5,597.5394
Total		**1.3509**	**12.0026**	**8.2756**	**0.0737**		**0.9334**	**0.9334**		**0.9334**	**0.9334**		**14,736.9835**	**14,736.9835**	**0.2825**	**0.2702**	**14,824.5580**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209
Unmitigated	1,002.1905	14.3477	917.7309	1.5936		123.3810	123.3810		123.3810	123.3810	12,913.8548	5,487.0431	18,400.8979	11.9889	1.0158	19,003.3209

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	67.6330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	221.6838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	711.6337	13.8974	878.4345	1.5915		123.1649	123.1649		123.1649	123.1649	12,913.8548	5,415.8824	18,329.7371	11.9173	1.0158	18,930.3709
Landscaping	1.2400	0.4503	39.2964	2.1000e-003		0.2161	0.2161		0.2161	0.2161		71.1608	71.1608	0.0716		72.9500
Total	**1,002.1905**	**14.3476**	**917.7309**	**1.5936**		**123.3810**	**123.3810**		**123.3810**	**123.3810**	**12,913.8548**	**5,487.0431**	**18,400.8979**	**11.9889**	**1.0158**	**19,003.3209**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	67.6330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	221.6838					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	711.6337	13.8974	878.4345	1.5915		123.1649	123.1649		123.1649	123.1649	12,913.8548	5,415.8824	18,329.7371	11.9173	1.0158	18,930.3709
Landscaping	1.2400	0.4503	39.2964	2.1000e-003		0.2161	0.2161		0.2161	0.2161		71.1608	71.1608	0.0716		72.9500
Total	**1,002.1905**	**14.3476**	**917.7309**	**1.5936**		**123.3810**	**123.3810**		**123.3810**	**123.3810**	**12,913.8548**	**5,487.0431**	**18,400.8979**	**11.9889**	**1.0158**	**19,003.3209**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B
Biological Resources Study

BIOLOGICAL RESOURCES ASSESSMENT REPORT
Apple Valley Annexation Project

Town of Apple Valley
San Bernardino County
California

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13 September 2017

BIOLOGICAL RESOURCES ASSESSMENT REPORT
Apple Valley Annexation Project

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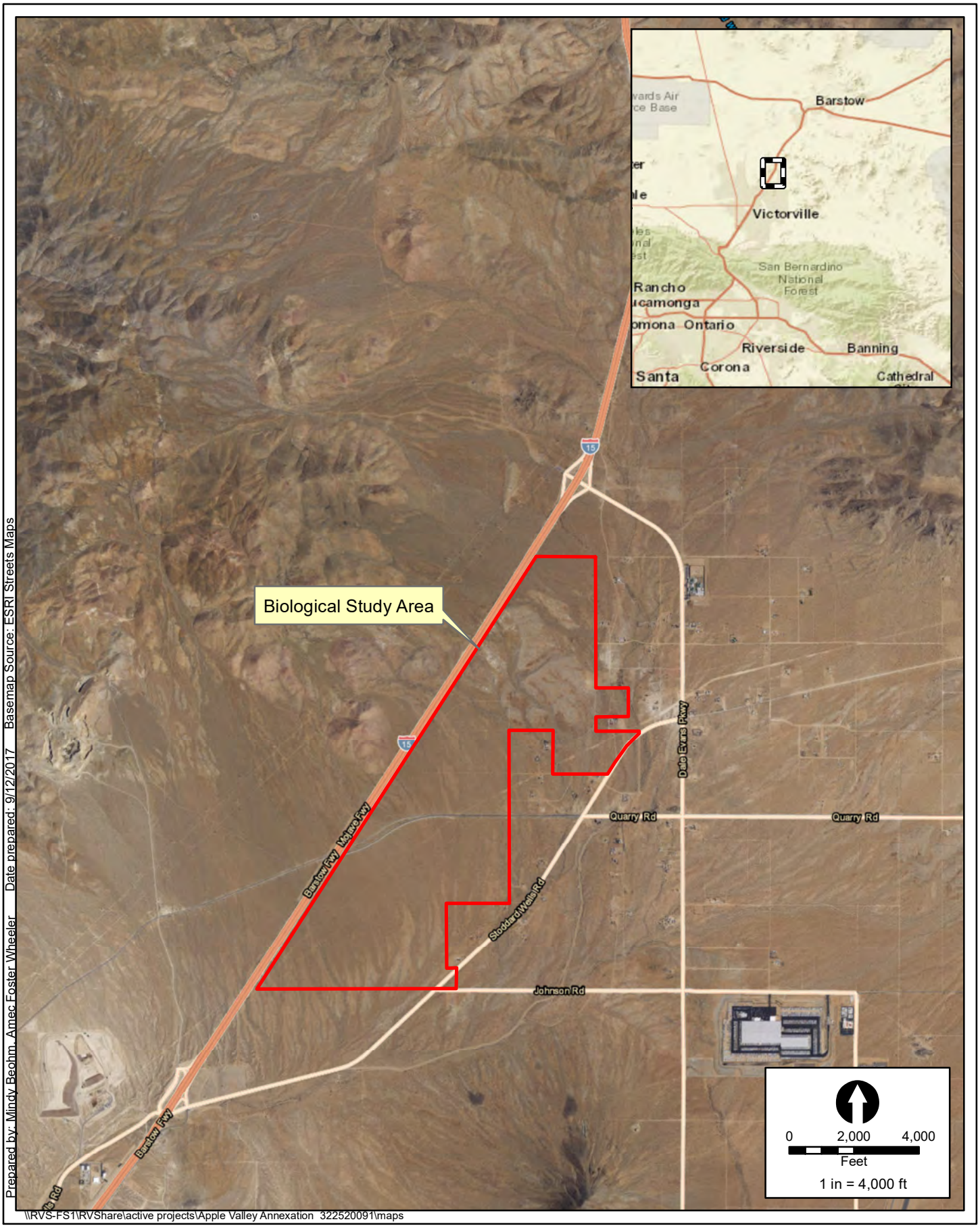
BIOLOGICAL RESOURCES ASSESSMENT REPORT
Apple Valley Annexation Project

1.0 INTRODUCTION

The Town of Apple Valley (Apple Valley or Town) proposes to annex 1,390 acres of a portion of currently unincorporated land located in the northwestern portion of Apple Valley, San Bernardino County, California (Figure 1). The proposed annexation has the potential to affect a variety of special-status biological resources that are protected and/or regulated by the California Fish and Wildlife (CDFW), United States Fish and Wildlife Service (USFWS), United States Army Corps of Engineers (USACE) and/or Regional Water Quality Control Board (RWQCB). Furthermore, the Town of Apple Valley is in the planning and development phase of implementing a regional Multiple-species Habitat Conservation Plan/Natural Communities Conservation Plan (MSHCP/NCCP) that would address impacts to specified special-status biological resources that are known to occur, or have the potential to occur within the boundaries of the planning area of the forthcoming MSHCP/NCCP, which extends beyond the boundaries of the proposed annexation. This assessment, prepared by Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) addresses the potential impacts to the special-status biological resources present, or potentially present within the proposed annexation area, or "Biological Study Area (BSA)", and outlines the management considerations for those special-status resources. Until the MSHCP/NCCP is finalized and implemented, standard biological analysis, impact avoidance, minimization and mitigation for unavoidable project-related impacts to special-status biological resources will continue to be required.

2.0 PROJECT LOCATION

The 1,390-acre area of unincorporated lands are generally located in the northwestern corner of the existing Town limits. The BSA is generally bounded by Morro Road to the north; portions of Johnson Road, Cordova Road and Langley Street to the south; portions of Fairfield and Vega to the east and Interstate 15 (I-15) to the west (Figure 2).



Prepared by: Mindy Beohm, Amec Foster Wheeler Date prepared: 9/12/2017 Basemap Source: ESRI Streets Maps

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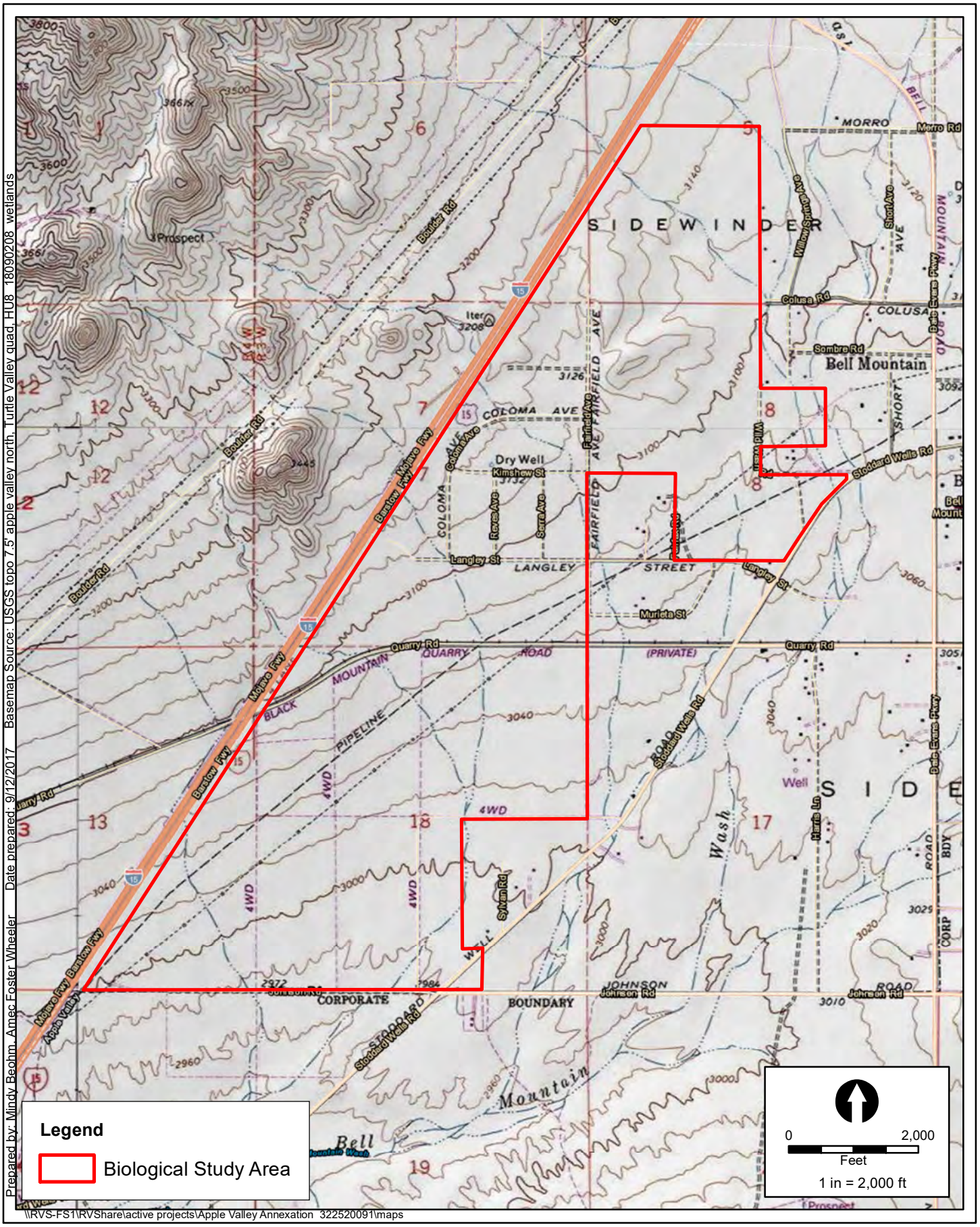
amec foster wheeler

Regional and Vicinity Map

Apple Valley Annexation Project

FIGURE

1



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Biological Study Area Detail Map

Apple Valley Annexation Project

FIGURE

2

From north to south, the BSA is located within Sections 5, 7, 8, 13 and 18 of Township 6 North, Range 3 West, as shown on the USGS 7.5' Apple Valley North and Turtle Valley, California quadrangles.

The elevational range of the BSA is from approximately 2,983 feet (909 meters) above mean sea level (ASML) along the southeaster boundary (i.e., Johnson Road), to approximately 3,185 feet (971 meters) ASML along the northwestern boundary (i.e., I-15). The geographic coordinates for the approximate center of the BSA (i.e., junction of Langley Street and Reyes Avenue) are: 34°37'09.53" North latitude and 117°13'46.44" West longitude.

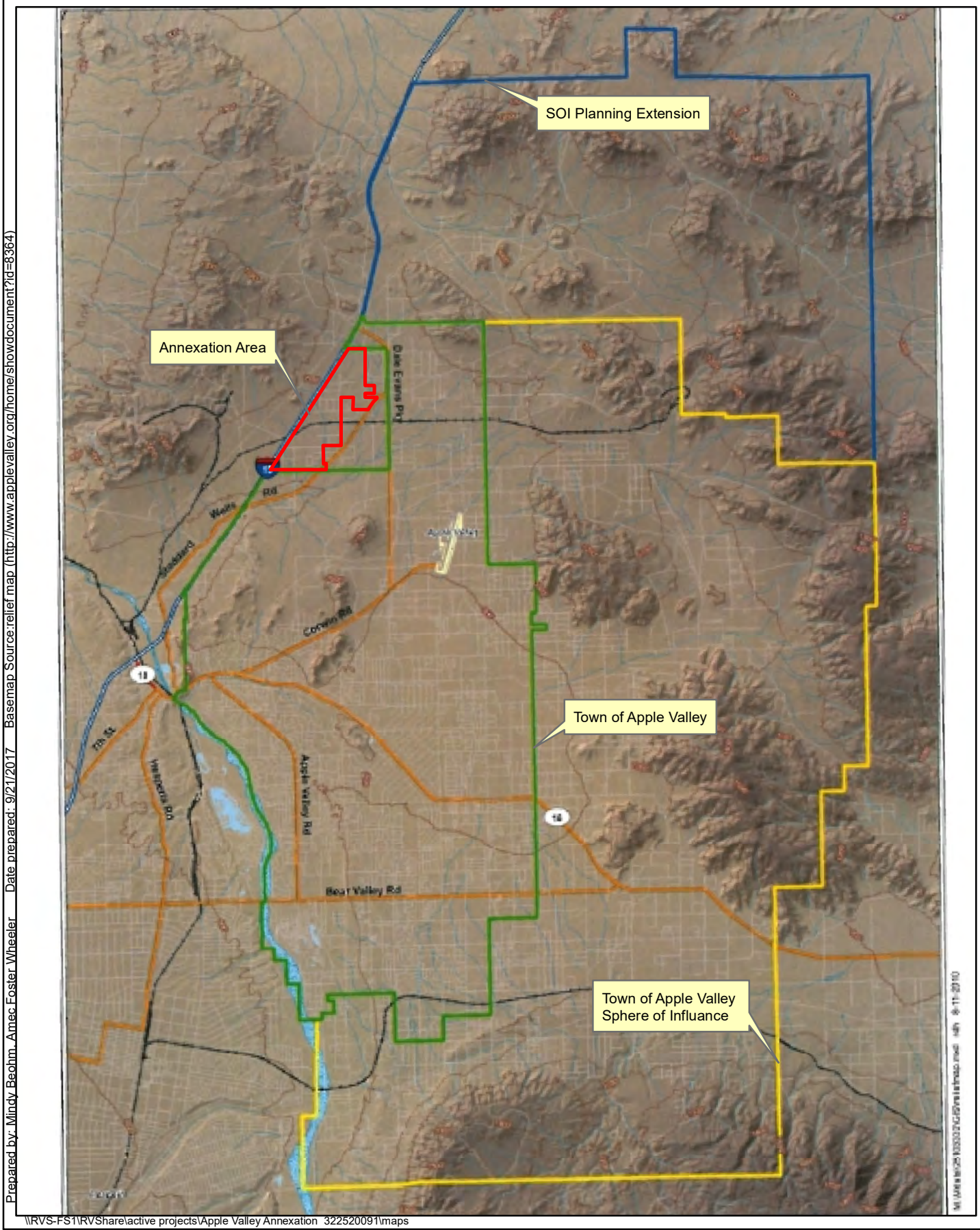
Once annexed, the area would fall within the proposed planning area of the forthcoming MSHCP/NCCP, following plan implementation. Although the MSHCP/NCCP has not identified specific areas proposed to be conserved for conservation, it is considered to be unlikely that any of the BSA area would be considered for long-term conservation for any of the proposed fifty-one (51) covered species as the zoning map for this area indicates that it is currently zoned for development and the area is cut off from adjacent undeveloped open space by the I-15 to the northwest and somewhat cut off by existing development to the north and east. For the purposes of this assessment, these assumptions are made.

3.0 PROJECT DESCRIPTION & BACKGROUND

Apple Valley is located in the southwest portion of San Bernardino County, California, within the western Mojave Desert. It lies between the City of Victorville to the west, the City of Hesperia to the southwest, Lucerne Valley to the southeast; and Barstow to the north. The area is comprised of low, rolling foothills, a coarse sandy floor and small intermittent drainages. Topographically, the area gradually slopes from northwest to southeast.

The 1,390-acre BSA is located in an area that is referred by the Town of Apple Valley as the "Golden Triangle". Apple Valley proposes to annex this area and include it in the planning area of the MSHCP/NCCP. This area is currently comprised of undeveloped open space that is currently zoned for commercial, industrial, professional, residential and public facility development and surrounded on the three sides (north, south and east) by the existing town limits and I-15 along the northwestern boundary. Surrounding land uses generally consist of rural, single-family residential development and arterial roadways.

This study is intended to serve as a baseline assessing the special-status biological resources present within the proposed BSA.



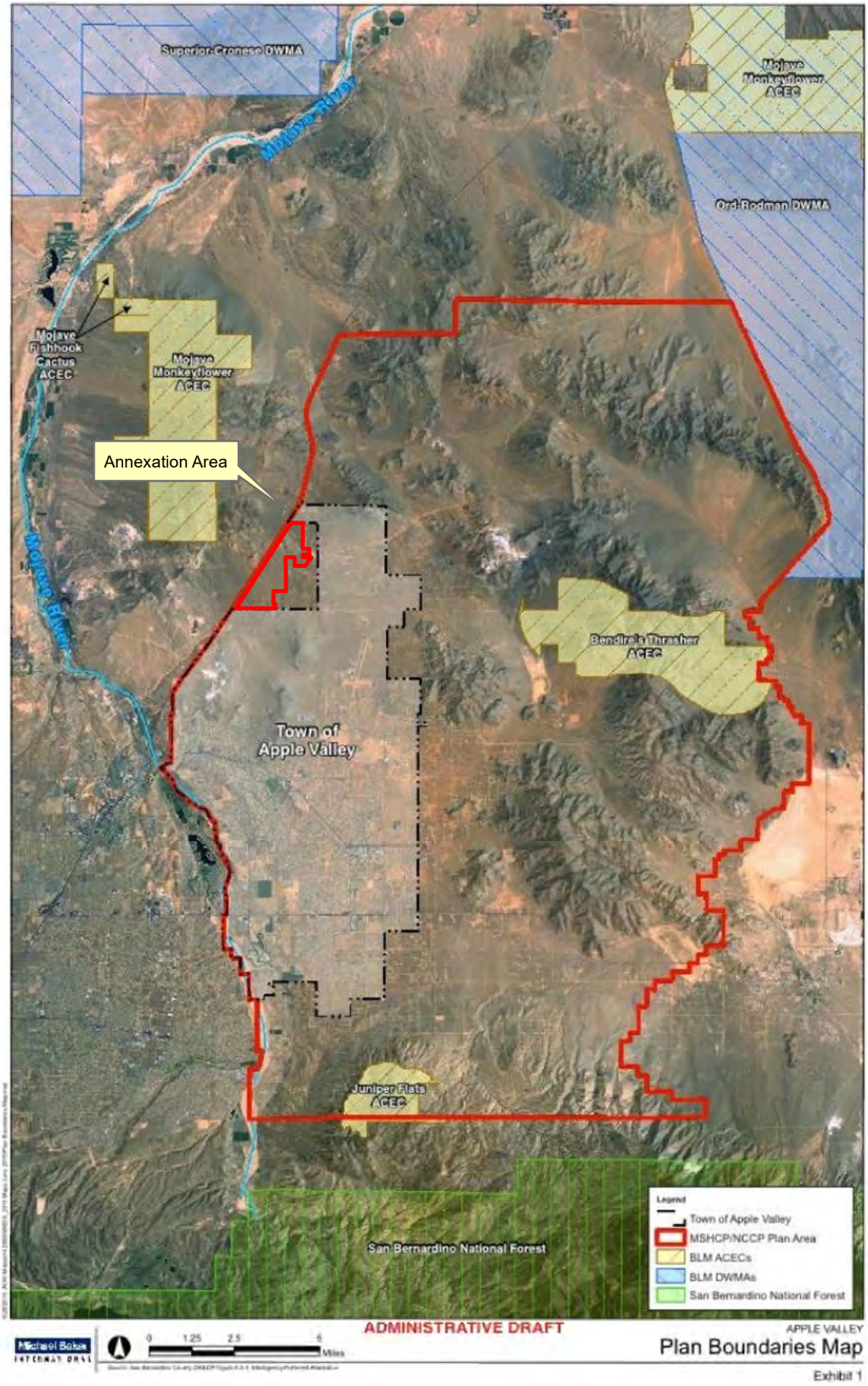
amec foster wheeler

MSHCP Areas

Apple Valley Annexation Project

FIGURE

3-a



Prepared by: Mindy Beohm, Amec Foster Wheeler Date prepared: 9/21/2017 Basemap Source:relief map (http://www.applevalley.org/home/showdocument?id=8364)

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MSHCP Areas

Apple Valley Annexation Project

FIGURE 3-b

3.1 Apple Valley Multiple Species Habitat Conservation Plan Background

Similar to the Apple Valley General Plan, the proposed MSHCP/NCCP is intended to serve as a guideline for future development. In general, qualifying applicants proposing to implement covered activities (e.g., grading, vegetation clearance, construction, etc.) would pay a standard, usually a per-acre development fee, which is used to implement conservation measures elsewhere (i.e., acquisition and management of conservation lands) or sometimes agree to conserve habitat on-site, to mitigate impacts resulting from the proposed covered activity, with some exceptions. While permitting covered activities, the MSHCP/NCCP will also steer Apple Valley's conservation efforts, preserving important open space areas, protecting habitat for thirteen (13) federal and/or state threatened and endangered species and thirty-eight (38) other special-status species that are known to occur within the area and maintaining the natural aesthetics and functions of the Mohave Desert.

The MSHCP/NCCP will identify and protect features and areas that warrant conservation; in addition to ensuring that future development within Apple Valley and its "Sphere of Influence", which include unincorporated County lands, is compliant with federal & state endangered species acts. Preliminary conservation objectives of the MSHCP/NCCP include:

- the conservation of covered species and natural communities in the planning area;
- the preservation of the diversity of the existing flora and fauna in the planning area;
- the minimization of "take" of covered species;
- the reduction of the likelihood of future species' listings;
- the implementation of species-specific and habitat-based goals and objectives for covered species, the establishment of goals and objectives for the determination of the locations, amount, quality and connectivity of habitat;
- the quantification of the extent of incidental take of listed species;
- and to provide a strategy for adaptive management and monitoring of covered species and natural communities in the planning area.

In addition to ensuring efforts are implemented to achieve the conservation goals and objectives, the MSHCP/NCCP is also intended to provide a streamlined permitting process for proposed development projects within the planning area. It will provide assurances to local government and citizens that their land use interests are protected while at the same time ensuring that covered projects will occur in a manner that supports the long term survival, recovery and sustainability of threatened, endangered and otherwise special-status species. Implementation of the MSHCP/NCCP will establish a new, more efficient and economical permitting process intended to significantly simplify development applications and increase the Town's control over the planning process, land use designations and the preservation of the Town's quality of life and its desert environment for the enjoyment of future generations.

Implementation of the MSHCP/NCCP is anticipated to cover and permit incidental take of the covered species, which include federally and state-listed as endangered and/or threatened species, species that are designated as "Species of Special Concern (SSC)" by the CDFW and

species managed as "Sensitive" by the BLM, resulting from potential development impacts to an estimated cumulative total of 23,000-27,800 acres of existing undeveloped open space within the town limits and 37,500 acres of impacts within the sphere of influence. Anticipated covered activities include development of residential housing, commercial and industrial development, agricultural activities, adaptive habitat management and monitoring activities in the planning area. In addition, other potential impacts include: operation and maintenance of existing public facilities (3,200 acres), construction of new capital improvements and public facilities (1,400 acres) and the construction operation and maintenance of future renewable energy projects (5,000 acres).

The MSHCP/NCCP planning area is located at the intersection of three significant wildlife linkages that are not only important to the region but also to the surrounding greater Mojave Desert. Therefore the MSHCP/NCCP anticipates the identification and conservation of wildlife linkages that would provide a connection between the proposed conservation areas in the MSHCP/NCCP planning area and approximately 2.4 million acres of other existing conserved habitats in the Mojave Desert. Conservation of wildlife linkages are intended to facilitate wildlife movement and gene flow over the broader regional landscape, making this region of the greater Mojave Desert more resilient to the effects of climate change by ensuring the long-term viability of a number of BLM-designated Areas of Critical Environmental Concern (ACECs). Nearby ACEC's include: the Mojave Monkeyflower ACEC to the northwest and northeast, the Mojave Fishhook Cactus ACEC to the northwest, the Bendire's Thrasher ACEC to the east and the Juniper Flats ACEC to the south. Additionally, the Superior-Cronese Desert Wildlife Management Area (DWMA) occurs to the north, the ORD-Rodman DWMA occurs to the northeast and the San Bernardino National Forest occurs to the south.

On 14 September 2010, a Memorandum of Understanding (MOU) was approved by the Town of Apple Valley and San Bernardino County. The MOU serves as a foundation for the Town and County to establish a clear, consistent and predictable permitting process and procedure for future economic development. Once implemented, approval of future development applications within the MSCHP/NCCP planning area (Figure 3) will be expedited and provide an economic benefit to the Town and County, all while ensuring conservation of covered species and their habitats is also addressed and achieved accordingly.

3.2 Town of Apple Valley General Plan

The Town of Apple Valley General Plan General Plan describes the existing environment, provides a town history and establishes a hierarchy for land use policies, programs, goals, standards and guidelines for the development of the lands. The general plan also sets the guiding principles for residential, commercial and industrial structures; circulation; recreation; open space and conservation; safety; air quality; noise; and community design. More specifically, the Town's General Plan Land Use Map designates and distributes land use for parks and recreation purposes, biological resources, natural resources (i.e., energy and water), and areas worthy of special protection, in addition to lands available for future development.

In addition to the lands within Town limits, the General Plan includes areas identified for annexation. The BSA is located in an area, referred to as the "Golden Triangle," that has been identified and proposed for annexation.

4.0 METHODS

4.1 Literature Review

In preparation of the field assessment, a literature search was conducted to identify special-status biological resources known from the vicinity of the BSA. In the context of this report, and for the purpose of this report, vicinity is defined as areas within a 1-mile radius of the BSA.

The literature search included a review of the following documents:

- California Natural Diversity Data Base (CNDDB) RareFind 5 (CDFW 2017a)
- Special Animals List (CDFW 2017b)
- California Native Plant Society's (CNPS) Inventory of Rare, Threatened, and Endangered Plants of California (CNPS 2017a)
- Town of Apple Valley Multiple Species Habitat Conservation Plan (Town of Apple Valley 2017a)
- Town of Apple Valley General Plan (Town of Apple Valley 2017b)
- Town of Apply Valley NCCP Planning Agreement, Public Review Draft (Town of Apply Valley 2017c)
- Desert Renewable Energy Conservation Plan (DRECP) Gateway (Conservation Biology Institute 2017)
- United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS). 2017a. The PLANTS Database. National Plant Data Team, Greensboro, NC 27401-4901 USA (USDA, NRCS 2017a)
- USDA, NRCS. Web Soil Survey (USDA, NRCS 2017a)
- United States Geological Survey (USGS) 7.5' *Apple Valley North, Calif.* and *Turtle Valley, Calif.* quadrangles (USGS 2015)
- National Wetlands Inventory (USFWS 2017)

Scientific nomenclature for this document follows standard reference sources: For plant communities, MSHCP/NCCP (Apple Valley 2017c); Sawyer et al (2009) and/or Holland (1986); for flora, Jepson eFlora (2015) and the USDA NRCS PLANTS Database (2017); for amphibians, reptiles, and mammals, CDFW (2016); and for birds, American Ornithologists Union (2016).

4.2 Field Assessment

The field assessment of the BSA was conducted on 3 August 2017 by Amec Foster Wheeler senior biologist Michael D. Wilcox. Onsite suitable habitats were assessed based on the presence or absence of habitat components (e.g., soils, vegetation and topography) characteristic of the potentially occurring special-status biological resources determined by the literature review. The BSA was surveyed on foot to record pertinent field data and current site conditions. All flora and fauna observed or otherwise detected (e.g., through vocalizations, presence of scat, tracks, bones and/or remains) during the course of this assessment were identified and recorded in field notes and are included in Appendices 1 and 2. Dominant, co-dominant and co-occurring plant species observed were recorded in field notes and used in the determination of the onsite vegetation communities. Printed aerial photographs were used to aid in locating parcel boundaries and edges of plant communities. Plant species of uncertain identity were collected,

pressed and identified by Andrew C. Sanders, Herbarium Collections Manager, University of California, Riverside. General weather and site conditions were also recorded at the beginning and end of the survey. Temperatures and wind speeds were recorded with a handheld Kestrel 2000 anemometer. Percent cloud cover was estimated.

5.0 RESULTS

5.1 Weather Conditions

Weather conditions during the assessment were mild for this area at this time of year. Skies were cloudy with 100% cloud cover and light rain was intermittent. Temperatures ranged from 76 to 84 degrees Fahrenheit. Winds were calm with wind speeds of mostly 0-1 mph.

5.2 Topography and Soils

The elevation of the BSA ranges from approximately 2,983 feet (909 meters) above mean sea level (ASML) along the southeastern boundary of the BSA, to approximately 3,185 feet (971 meters) ASML along the northwestern boundary.

The review of the on-site soils (based on the San Bernardino County, California, Mojave River Area, Soil Survey [USDA, NRCS Soil Survey Staff 2017b]) resulted in the following soil types mapped on the BSA (Figure 4):

- **Cajon-Arizo Complex, 2-15% slopes.** A very deep and somewhat excessively to excessively drained soil that formed in alluvium derived primarily from granitic material that occurs on alluvial fans (Tugel and Woodruff 1986).
- **Helendale-Bryman Loamy Sands, 2-15% slopes.** A very deep and well-drained soil that occurs on broad, smooth terraces and old alluvial fans with many areas dissected by deep intermittent drainages. This soil type was formed in alluvium, primarily derived from granitic parent material (Tugel and Woodruff 1986).
- **Nebona-Cuddeback Complex, 2-9% slopes.** A shallow (Nebona) to moderately (Cuddeback) deep soil that is well drained and occurs on terraces and old alluvial fans that have gravel desert pavement and are incised by moderately deep or shallow intermittent stream channels. Formed in alluvium and derived from mixed sources (Tugel and Woodruff 1986).
- **Sparkhule-Rock Outcrop Complex, 15-50% slopes.** A shallow and well-drained soil that formed in material weathered from hard volcanic rock and occurs on upland foothills with rock outcrops on the hills and ridges (Tugel and Woodruff 1986).
- **Yermo-Kimberlina, Cool, Association, Sloping.** A very deep and well-drained soil formed in gravelly and cobbly alluvium derived from mixed sources that occurs on broad, smooth alluvial fans or hills. Some areas exhibit very deep, intermittent drainages (Tugel and Woodruff 1986).

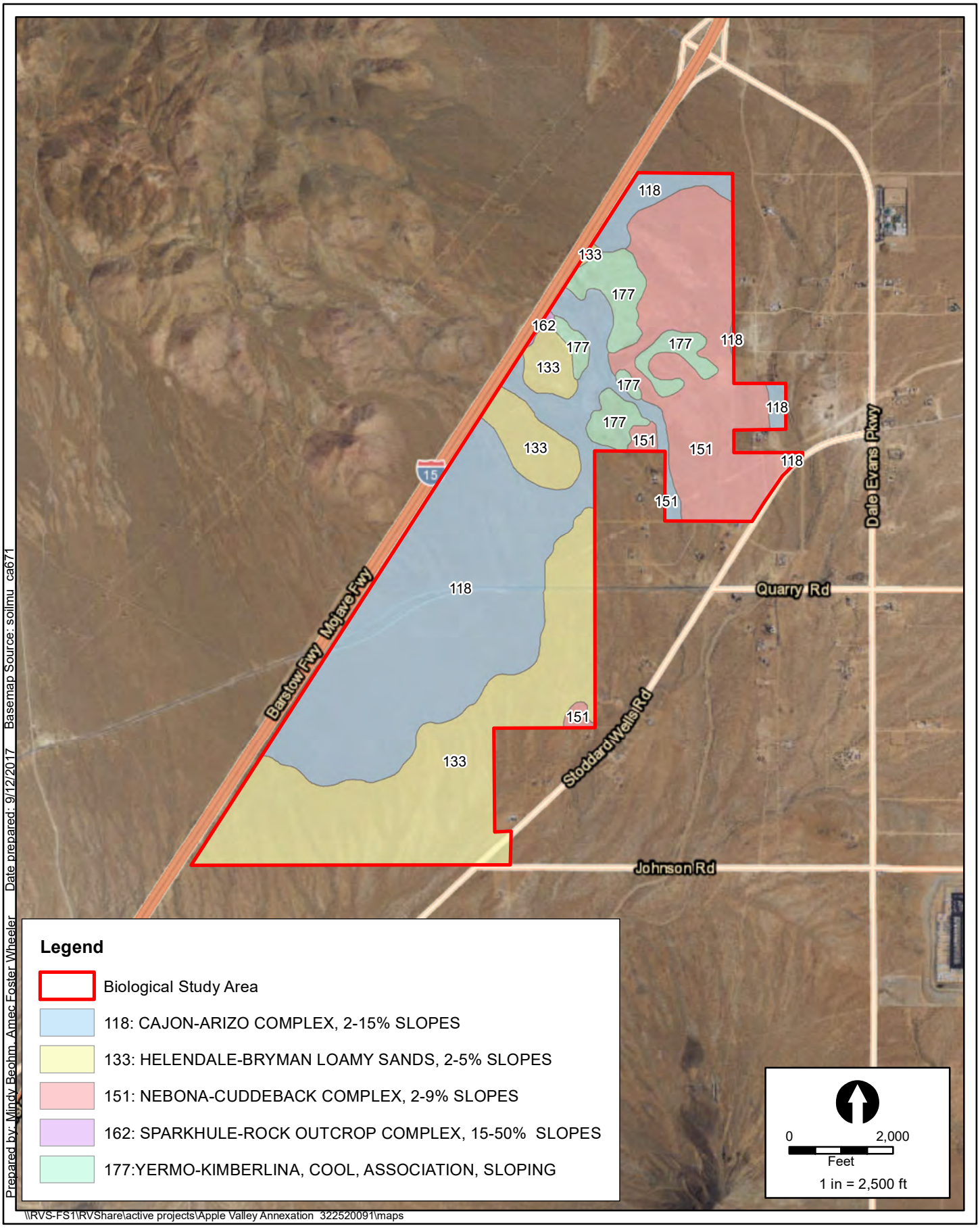
Soils and substrates on the BSA varied from undisturbed, naturally sandy areas, gravelly areas, loamy areas, rocky outcrops, disturbed surfaces and developed areas. Existing disturbed and developed areas consisted of paved and unimproved public and private roads, paved and unpaved trails, vacant cleared areas and a railroad easement (Appendix 3, Photographic Exhibits). Areas of illegal dumping were also observed. No sand dunes, hummocks, clay lenses, springs, seeps, or natural bodies of water were evident in the BSA.

Review of the National Wetlands Inventory (NWI) indicated that approximately twenty-six (26) drainages, some of which are blue-line streams, traverse the BSA (Figure 5). A jurisdictional delineation was not conducted in the BSA for the proposed annexation, due to the programmatic nature of the analysis.

5.3 Habitat Description and Environmental Setting

The BSA is located within the Mojave Desert biome in a portion of the western Mojave Desert in San Bernardino County, California. It appears to be on the dividing line between the "High Desert Plains and Hills" and the "Lucerne – Johnson Valley and Hills" ecological subsection of the California Mojave Desert (Miles et. al. 1998) and within the "South-Central Mojave" as illustrated by Webb et. al. (2009).

Although the immediate surrounding area is characterized by a patchwork-like distribution of undeveloped, relatively natural open space, more or less ranch-style, rural residential dwellings and a network of paved and unimproved roadways, the BSA remains largely undeveloped. The area is generally flat with some small rolling hills, rocky outcrops and intermittent small drainages (i.e., dry washes) present throughout. The paved and unimproved roadways bisect the BSA include, but are not limited to: Johnson Road, Quarry Road, Stoddard Wells Road, Langley Street, Fairfield Avenue, Coloma Avenue, Kimshew Street, Reyes Avenue, Serra Avenue, and Wild Wash Road. With the exception of adjacent habitat fragmentation resulting from the development of the existing residential dwellings, paved and unimproved roads, and the railroad easement; the open space within the BSA have received only relatively minor levels of disturbance, primarily as a result of off-road vehicular use, dumping and anthropogenic "edge effects". These "edge effects" include some vegetation clearing/weed abatement, establishment of dirt trails, trash deposition/accumulation and use by domestic pets (sign of domestic dogs observed).

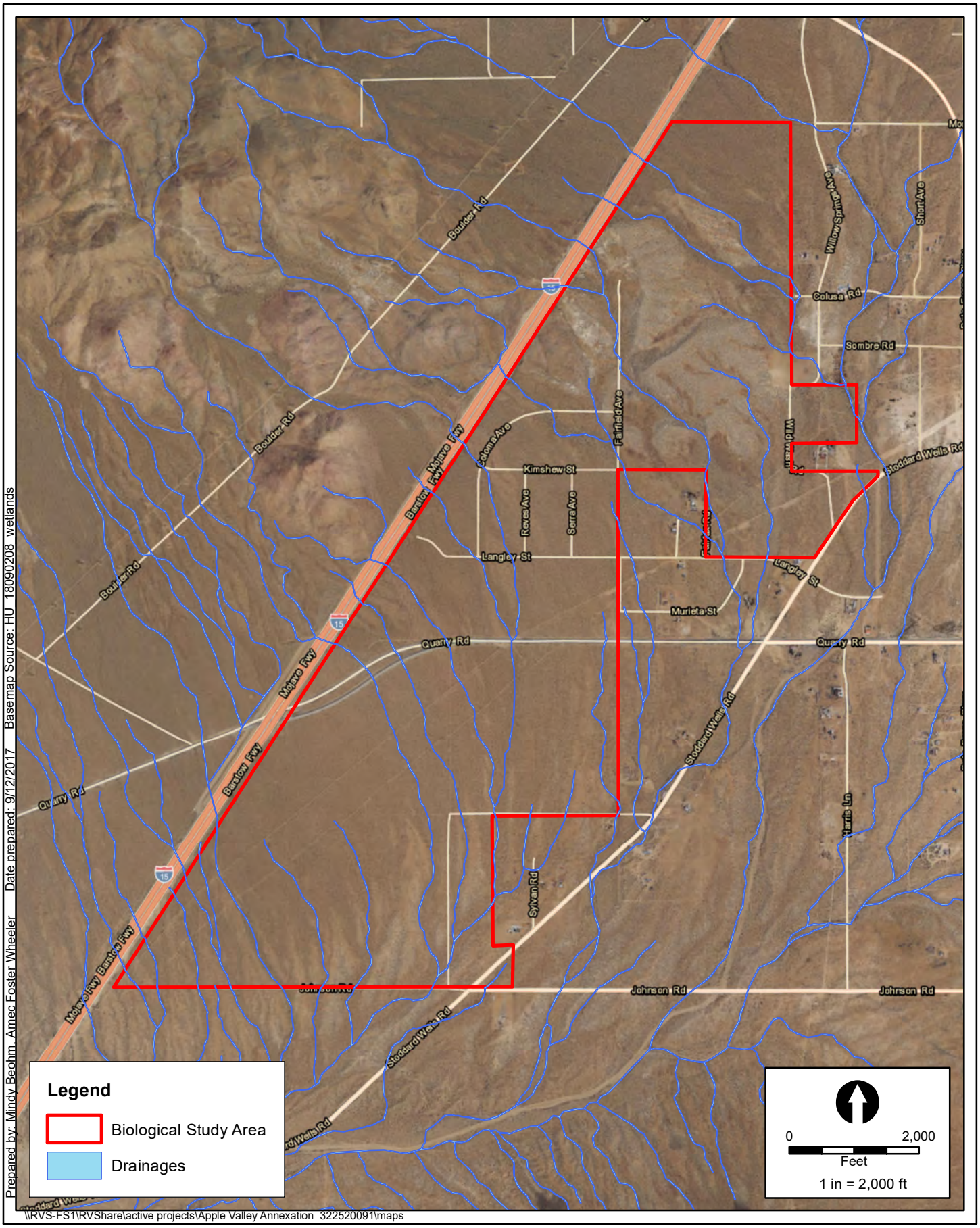


Soils Map

Apple Valley Annexation Project

FIGURE

4



NWIMap

Apple Valley Annexation Project

FIGURE 5

5.4 Vegetation

The dominant vegetation community within the BSA is *Larrea tridentata* Shrubland Alliance (Creosote bush scrub) (Sawyer et. al 2009). Holland (1986) refers to these vegetation communities as “Mojavean creosote bush scrub”, the draft MSHCP/NCCP (2008) refers to it as “Mojave Mid-Elevation Mixed Desert Scrub”, the draft planning agreement for the MSHCP/NCCP refers to it as “Sonora-Mojave Creosotebush-White Bursage Desert Scrub” (Town of Apple Valley 2017c) and the DRECP refers to it as “Mojave Desert Scrub” (Conservation Biology Institute 2017). (Figure 6).

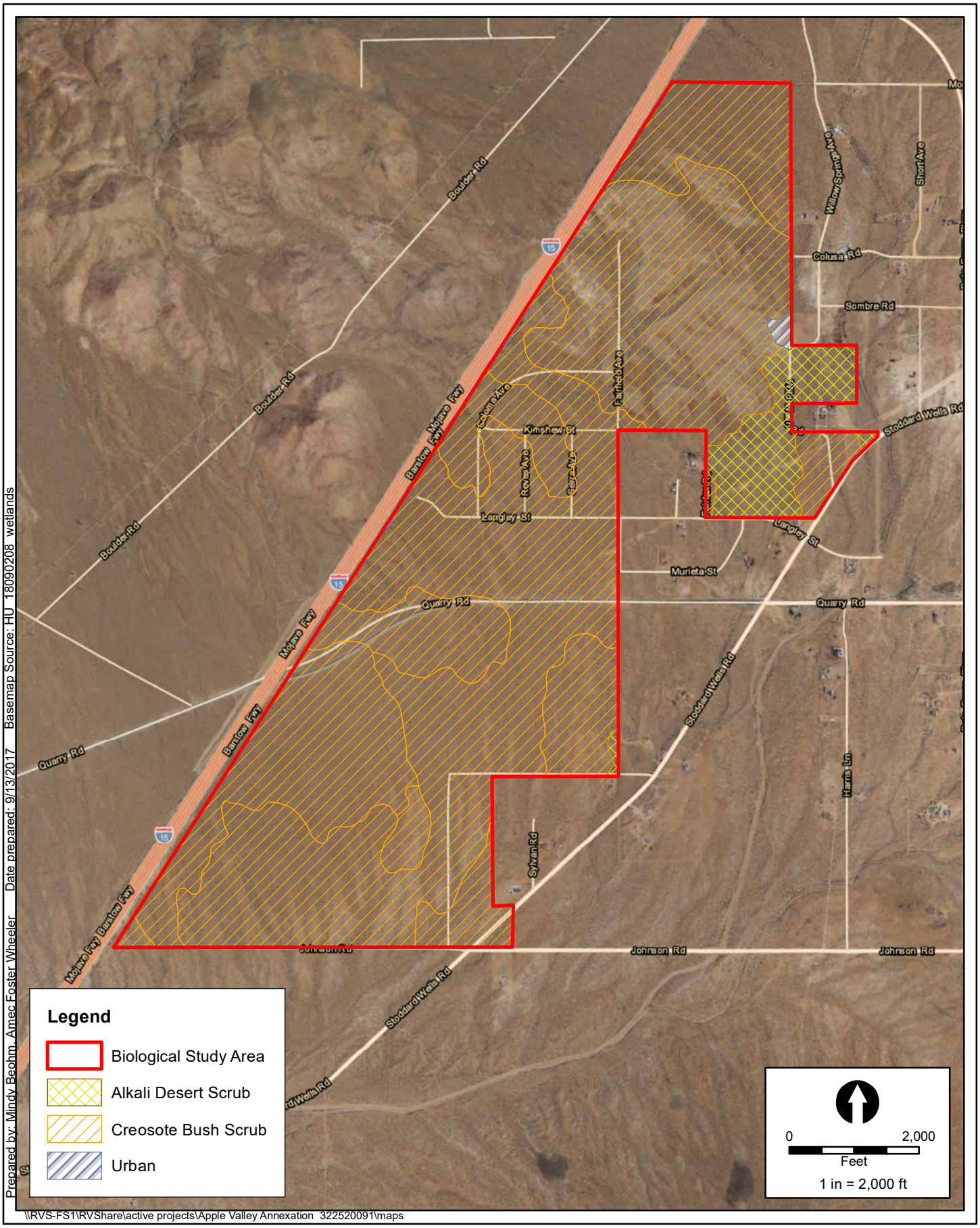
Dominant perennial plant species observed included: creosote bush (*Larrea tridentata*), California buckwheat (*Eriogonum fasciculatum*), white bur-sage (*Ambrosia dumosa*), cheesebush (*Ambrosia salsola*), rubber rabbitbrush (*Ericameria nauseosa*), peach thorn (*Lycium cooperi*), Nevada ephedra (*Ephedra nevadensis*), sandpaper plant (*Petalonyx thurberi*), bladder-sage (*Scutellaria mexicana*) and saltbush (*Atriplex* spp). Dominant annual plant species observed included: Saharan mustard (*Brassica tournefortii*), tumble mustard (*Sisymbrium* sp.), short-pod mustard (*Hirschfeldia incana*), redstem fillaree (*Erodium cicutarium*), cheat grass (*Bromus tectorum*), red brome (*Bromus madritensis* ssp. *rubens*), common Mediterranean grass (*Schismus barbatus*) and annual bur-sage (*Ambroisa acanthicarpa*). Sparse Mojave yucca (*Yucca schidigera*), Joshua tree (*Yucca brevifolia*), golden cholla (*Cylindropuntia echinocarpa*) and diamond cholla (*Cylindropuntia ramosissima*) were also intermittently present throughout the BSA.

No special-status vegetation communities were observed within the BSA. A list of the plant species (scientific and common names) observed is appended to this report (Appendix 1).

5.5 Wildlife

Wildlife directly observed and/or detected otherwise (e.g., scat, bones, prints, feathers, burrows, etc.) within the BSA was not abundant or diverse, possibly due to the inclement (i.e., rainy) weather present during the assessment. A total of fourteen (14) vertebrates were detected. Most were identified to species; with the exception of some rodents, which were identified to class through the presence of burrows. Identification of the species of rodents occurring on the site would require a live trapping effort. Vertebrate fauna detected included: one (1) reptile, seven (7) birds and six (6) mammals. No fish or amphibians were detected. See Appendices 2 & 3 for a complete list of all wildlife species detected.

Western side-blotched lizard (*Uta stansburiana elgans*) was the only reptile detected. A variety of other species are expected to occur, however. These include, but are not limited to: desert banded gecko (*Coleonyx variegatus variegatus*), yellow-backed spiny lizard (*Sceloporus uniformis*), desert horned lizard (*Phrynosoma platyrhinos*), western zebra-tailed lizard (*Callisaurus draconoides rhodostictus*), Great Basin whiptail (*Aspidoscelis tigris tigris*), glossy snake (*Arizona elegans eburnata*), Great Basin gopher snake (*Pituophis catenifer deserticola*), western coachwhip (*Coluber flagellum testaceus*) and Mojave rattlesnake (*Crotalus scutulatus*).



Vegetation Map

Apple Valley Annexation Project

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FIGURE 6

The seven (7) common species of birds observed on-site included: mourning dove (*Zenaida macroura*), common poorwill (*Phalaenoptilus nuttallii*), common raven (*Corvus corax*), loggerhead shrike (*Lanius ludovicianus*), horned lark (*Eremophila alpestris*), European starling (*Sturnus vulgaris*) and house finch (*Haemorhous mexicanus*). Representative examples of other common bird species that are expected to occur include, but are not limited to: red-tailed hawk (*Buteo jamaicensis*), American kestrel (*Falco sparverius*), Gambell's quail (*Callipepla gambelii*), greater roadrunner (*Geococcyx californianus*), verdin (*Auriparus flaviceps*) and Costa's hummingbird (*Calypte costae*).

The six (6) mammals detected included: black-tailed jackrabbit (*Lepus californicus*), desert woodrat (*Neotoma lepida*), coyote (*Canis latrans*), California ground squirrel (*Otospermophilus beecheyi*), white-tailed antelope squirrel (*Ammospermophilus leucurus*) and other small rodents (species undetermined but rodent burrows present). Other small mammals, particularly rodents, occur on the site as small mammal burrows were observed; however the species that are present cannot be conclusively determined without a more intensive trapping effort. Although not observed, bats also are likely foraging over the site as suitable roosting habitat is present nearby within rocky hillsides. Domestic mammals (i.e., dogs, cats and livestock) are also likely kept by residents surrounding the BSA. Larger carnivores such as the kit fox (*Vulpes macrotis*), gray fox (*Urocyon cinereoargenteus*) and bobcat (*Lynx rufus*) were not detected but have the potential to occur in the BSA as well.

It should be noted that relatively short-term biological studies of this nature are often limited by the timing of field surveys, the seasonality of annual plants, the migratory habits of many birds, the fossorial and nocturnal habits of many invertebrates, reptiles and mammals. Knowledge of habitat associations, natural history, seasonality, and distribution is essential in the assessment of the potential for occurrence of the various sensitive plants and animals known to occur throughout the various areas of San Bernardino County. For these reasons, other common and special status species that were not observed onsite may also have the potential to occur based on their geographic distribution, habitat preferences, and the regional location of the site. Tables 1 through 5 below summarize information on sensitive species known to occur in the vicinity of the BSA, including the status of each species based on the best available information and the collective expertise of Amec Foster Wheeler biologists.

5.6 Special-Status Species

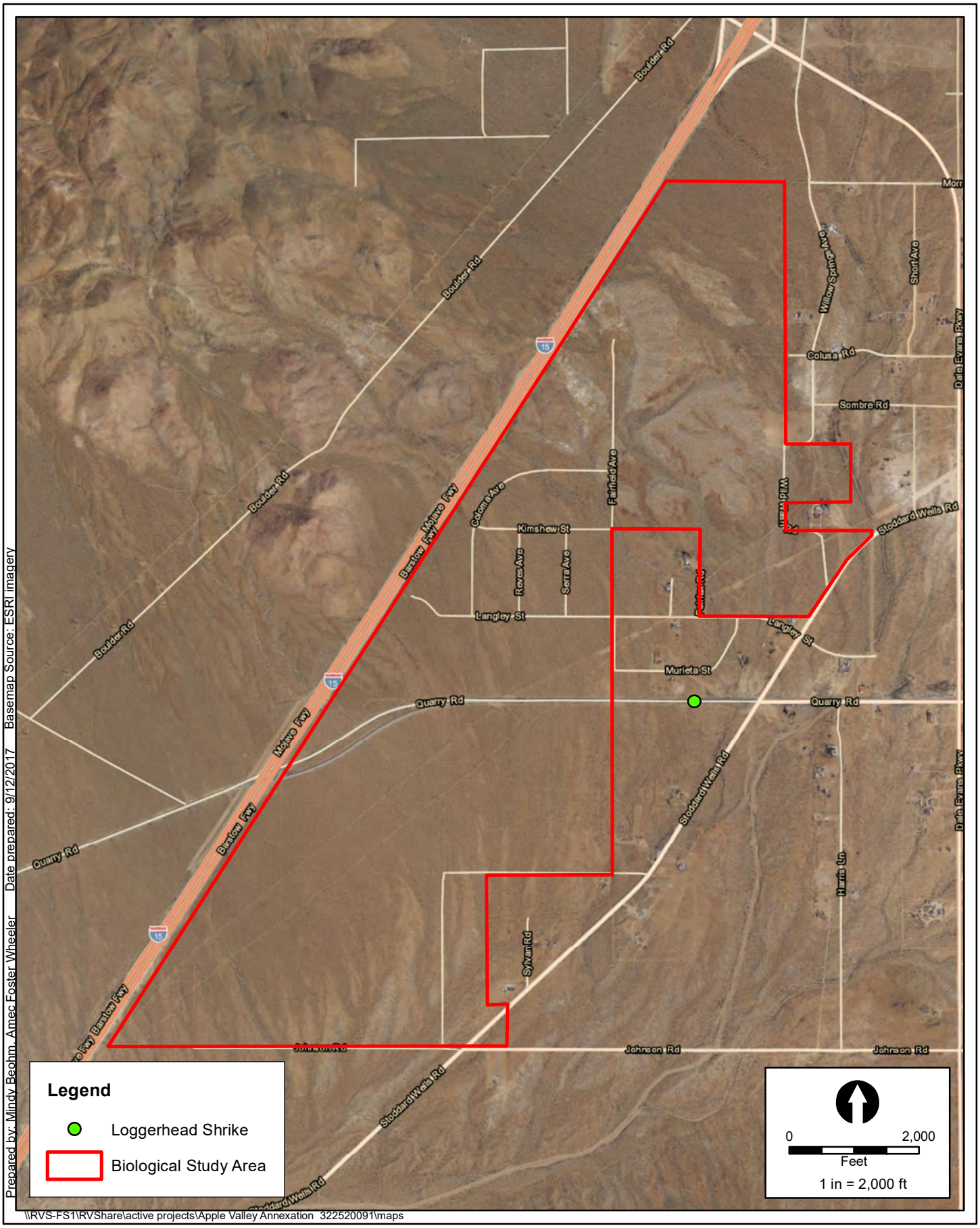
Plant or animal taxa may be considered "sensitive" or as having "special status" due to declining populations, vulnerability to habitat change, or because they have restricted ranges. Some are listed as threatened or endangered by the USFWS or by the CDFW and are protected by the federal and state Endangered Species acts and the NPPA. Others have been identified as sensitive or as special-status species by the USFWS, the BLM, the CDFW, or by private conservation organizations, including the CNPS.

The review of the CNDDB, CNPS Online Inventory of Rare Plants, draft MSHCP documents, other biological reports from the vicinity and consultation with other experienced biologists/naturalists resulted in the identification of fifty-one (51) special-status biological resources known to occur in the vicinity (within an approximate 1-mile radius) of the BSA. These included: sixteen (16) plants, two (2) invertebrates, one (1) fish, two (2) amphibians, three (3) reptiles, nineteen (19) birds and eight (8) mammals. These include federal and state-listed

species, California Species of Special Concern (SSC), BLM sensitive species and plant species designated as rare and/or imperiled by the CNPS. All but one (1) of these, tricolored blackbird (*Agelaius tricolor*), are proposed to be covered under and conserved by the forthcoming MSHCP/NCCP. Tables 1 through 6 provide a complete list of the special-status species, their associated legal status, habitat associations and their respective on-site occurrence potentials.

The Desert Renewable Energy Conservation Plan (DRECP) Gateway modeled habitat for Mojave monkeyflower (*Mimulus mohavenis*), desert tortoise (*Gopherus agassizii*), golden eagle (*Aquila chrysaetos*), burrowing owl (*Athene cunicularia*), Bendire's thrasher (*Toxostoma bendirei*), tricolored blackbird (*Agelaius tricolor*), pallid bat (*Antrozous pallidus*), Townsend's big-eared bat (*Corynorhinus townsendii*), desert bighorn sheep (*Ovis canadensis nelsoni*) and Mohave ground squirrel (*Xerospermophilus mohavensis*) within the BSA (Conservation Biology Institute 2017).

One (1) special-status species, loggerhead shrike, was observed perched on an electrical transmission line adjacent to a portion of the BSA, then flew across the site during the field assessment (Figure 7). This species is not listed as threatened or endangered by the USFWS or CDFW, but is designated as a SSC by the CDFW. It is also a species proposed to be covered and conserved by the MSHCP/NCCP. Suitable nesting (i.e., moderately sized shrubs) and foraging habitat for this species is present throughout the BSA. For these reasons, Amec Foster Wheeler considers there to be a high potential for loggerhead shrike to nest in the BSA.



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Loggerhead Shrike Map

Apple Valley Annexation Project

FIGURE

7

Table 1. Special Status Plants

Species	Status	Habitat	Probability
Acanthoscyphus parishii var. *goodmaniana* **Cushenbury oxytheca**	F: **END** C: None CNPS: List 1B.1 Global rank: G4?T1 State rank: S1 MSHCP/NCCP: **Yes***	Sandy, carbonate soils (talus) in pinyon and juniper woodland; 1219-2377 m (3999-7799 ft.); B: May-Oct	**Absent** (habitat lacking, BSA below elevational range of species)
Arabis dispar **Pinyon rockcress**	F: None C: None CNPS: List 2B.3 Global rank: G3 State rank: S3 MSHCP/NCCP: **Yes***	Granitic, gravelly soils in Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland; 1200-2540 m (3937-8333 ft.); B: Mar-Jun	**Absent** (BSA below elevational range of species)
Boechera shockleyi **Shockley's rockcress**	F: None C: None CNPS: List 2B.2 Global rank: G3 State rank: S2 MSHCP/NCCP: **Yes***	Carbonate or quartzite, rocky or gravelly soils in Pinyon and juniper woodland; 875-2310 m (2871-7579 ft.); B: May-Jun	**Absent** (habitat lacking)
Camissonia boothii ssp. *boothii* **Booth's evening primrose**	F: None C: None CNPS: List 2B.3 Global rank: G5T4 State rank: S2 MSHCP/NCCP: **Yes***	Joshua tree woodland, pinyon-juniper woodland, sandy areas; 900-2,400 m (2,953–7,874 ft.); B: Apr-Sept.	**Absent** (habitat lacking)
Canbya candida **white pygmy-poppy**	F: None C: None CNPS: List 4.2 Global rank: G3G4 State rank: S3S4 MSHCP/NCCP: **Yes***	Gravelly, sandy & granitic soils in Joshua tree woodland, Mojavean desert scrub & Pinyon and juniper woodland; 725-1250 m. (2379–4101 ft.); B: Mar-Jun	**Low** (habitat suitable)
Cymopterus deserticola **Desert cymopterus**	F: None C: None CNPS List: 1B.2 Global Rank: G2 State Rank: S2 MSHCP/NCCP: **Yes***	Sandy Mojavean Desert scrub, Joshua tree woodland sandy; 630-1500 m (2067-4921 ft.); B: Mar-May	**Low-Moderate** (habitat suitable)
Deinandra mohavensis **Mojave tarplant**	F: None C: **END** CNPS List: 1B.3 Global Rank: G2 State Rank: S2 MSHCP/NCCP: **Yes***	Mesic chaparral, coastal scrub, riparian scrub; 640-1600 m (2100-5249 ft.): B: Jun-Oct	**Absent** (mesic habitat lacking)
Diplacus mohavensis **Mojave monkeyflower**	F: None C: None CNPS: List 1B.2 Global rank: G2 State rank: S2.2 BLM sensitive MSHCP/NCCP: **Yes***	Joshua tree woodland, Mojavean desert scrub; dry sandy and/or gravelly washes along the Mojave River, 600-1200 m (1969-3937 ft.): B: Apr-Jun	**Low-Moderate** (habitat suitable, modeled habitat present)

Table 1. Special Status Plants

Species	Status	Habitat	Probability
Dudleya abramsii ssp. *affinis* **San Bernardino Mountains dudleya**	F: None C: None CNPS: List 1B.2 Global rank: G4T2 State rank: S2 MSHCP/NCCP: **Yes***	Granitic, quartzite and/or carbonate soils in pebble (Pavement) plain, pinyon & juniper woodland & upper montane coniferous forest; 1250-2600 m (4101-8530 ft.); B: Apr-Jul	**Absent** (habitat lacking, BSA below elevational range of species)
Eriogonum ovalifolium var. *vineum* **Cushenbury buckwheat**	F: **END** C: None CNPS: List 1B.1 Global rank: G5T1 State rank: S1 MSHCP/NCCP: **Yes***	Carbonate soils in Joshua tree woodland, Mojavean desert scrub, pinyon & juniper woodland; 1400-2440 m (4593-8005 ft.): B: May-Aug	**Absent** (BSA below elevational range of species)
Eriophyllum mohavense **Barstow woolly sunflower**	F: None C: None CNPS List: 1B.2 Global Rank: G2 State Rank: S2 MSHCP/NCCP: **Yes***	Chenopod scrub, Mojavean desert scrub, playas; 500-960 m (1640-3150 ft.): B: Mar-May	**Low-Moderate** (habitat suitable)
Mentzelia tridentata **creamy blazing star**	F: None C: None CNPS List: 1B.3 Global Rank: G3 State Rank: S3 MSHCP/NCCP: **Yes***	Mojavean Desert scrub; rocky, gravelly, sandy; 700-1175 m (2297-3855 ft): B: Mar-May	**Low-Moderate** (habitat suitable)
Pediomelum castoreum **Beaver Dam breadroot**	F: None C: None CNPS: List 1B.2 Global Rank: G3 State Rank: S2 MSHCP/NCCP: **Yes***	Sandy soils, washes, and roadcuts in Joshua Tree woodland, Mojavean desert scrub; 610-825m (2,001-2,707 ft); B: Apr-May	**Low-Moderate** (habitat suitable)
Saltugilia latimeri **Latimer's woodland-gilia**	F: None C: None CNPS: List 1B.2 Global Rank: G2 State Rank: S2 MSHCP/NCCP: **Yes***	Rocky, sandy, often granitic, sometimes washes in chaparral, Mojavean desert scrub, pinyon and juniper woodland. 400-1900 m (1312-6234 ft.); B: Mar-Jun	**Low-Moderate** (habitat suitable)
Scutellaria bolanderi ssp. *austromontana* **Southern skullcap**	F: None C: None CNPS: List 1B.2 Global rank: G4T3 State rank: S3 MSHCP/NCCP: **Yes***	Chaparral, cismontane woodland, lower montane coniferous forest/mesic areas; 600-2,000 m (1,969-6,562 ft.)	**Absent** (habitat lacking)

Table 1. Special Status Plants

Species	Status	Habitat	Probability
Symphyotrichum defoliatum **San Bernardino aster**	F: None C: None CNPS: List 1B.2 Global rank: G3 State rank: S2 MSHCP/NCCP: **Yes***	Cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, valley and foothill grassland (vernally mesic), near ditches, streams & springs; 2-2040 m (6.5-6,693 ft.)	**Absent** (habitat lacking)

Table 2. Special Status Invertebrates

Species	Status	Habitat	Probability
Helminthoglypta mohaveana **Victorville shoulderband**	F: None C: None Global rank: G1 State rank: S1 MSHCP/NCCP: **Yes***	granite rocky outcrops, base of rocky cliffs along Mojave River	**Absent** (Rocky habitat extremely limited in BSA; BSA not immediately adjacent to Mojave River)
Plebulina emigdionis **San Emigdio blue**	F: None C: None Global rank: G1G2 State rank: S1S2 MSHCP/NCCP: **Yes***	Desert canyons and along riverbeds, known from Mojave River in vic. of Victorville	**Absent** (habitat lacking in BSA)

Table 3. Special Status Fish

Species	Status	Habitat	Probability
Siphateles bicolor mohavensis **Mojave tui chub**	F: **END** C: **END, FP** Global Rank: G4T1 State Rank: S1 MSHCP/NCCP: **Yes***	Historically from deep pools and slough-like areas of the Mojave River. It now only occurs in highly modified refuge sites in San Bernardino County.	**Absent** (habitat lacking in BSA)

Table 4. Special Status Amphibians & Reptiles

Species	Status	Habitat	Probability
Bufo californicus **arroyo toad**	F: **END** C: SSC Global Rank: G2G3 State Rank: S2S3 MSHCP/NCCP: **Yes**	high-order streams, rivers, drainages; usually with sandy banks and bottoms	**Absent** (habitat lacking in BSA)
Clemmys marmorata pallida **southwestern pond turtle**	F: None C: SSC Global Rank: G3G4 State Rank: S3 Other: BLM sensitive, USFS sensitive MSHCP/NCCP: **Yes**	Permanent or near permanent waters in varied habitats, to 8000'	**Absent** (habitat lacking in BSA)

Table 4. Special Status Amphibians & Reptiles

Species	Status	Habitat	Probability
Gopherus agassizi **desert tortoise**	F: **THR** C: **THR** Global: G3 State: S2S3 MSHCP/NCCP: **Yes***	Various desert communities and habitats (Mojavean creosote bush scrub, Joshua tree woodland, saltbush scrub); washes, arroyos, bajadas, rocky hillsides, open flat desert	**Moderate-High** (habitat suitable, modeled habitat present)
Phrynosoma blainvillii **coast horned lizard**	F: none C: SSC Global: G3G4 State: S3S4 Other: BLM Sensitive MSHCP/NCCP: **Yes***	Variety of scrub and woodland habitats, grasslands; loose soils	**Absent** (habitat lacking, only from along Mojave River and immediately adjacent areas in vicinity)
Rana (aurora) draytonii **California red-legged frog**	F: **THR** C: SSC Global: G2G3 State: S2S3 MSHCP/NCCP: **Yes***	Requires sources of permanent water, usually deep pools or ponded areas in foothill and lowland areas.	**Absent** (presumed extinct from segment of Mojave River in planning area; habitat lacking in BSA)

Table 5. Special Status Birds

Species	Status	Habitat	Probability
Accipter cooperii **Cooper's hawk** (nesting)	F: MBTA C: WL Global: G5 State: S4 MSHCP/NCCP: **Yes***	Forest and woodlands, landscaped suburbs with ample trees. Nests in woodlands and forests; occurs in many habitats in winter	**Nesting: Absent** (habitat lacking) **Foraging: Moderate-High** (primarily during migration)
Accipter striatus **sharp-shinned hawk** (nesting)	F: MBTA C: WL Global: G5 State: S4 MSHCP/NCCP: **Yes***	Forest and woodlands, landscaped suburbs with ample trees. Nests in woodlands and forests; occurs in many habitats in winter	**Nesting: Absent** (habitat lacking) **Foraging: Moderate-High** (primarily during migration)
Agelaius tricolor **tricolored blackbird**	F: MBTA C: **CAN END** Global: G2G3 State: S1S2 Other: BLM Sensitive MSHCP/NCCP: No	Freshwater cattail, tule and bulrush marshes; forages in agricultural and fallow fields and livestock grazing areas.	**Nesting: Absent** (habitat lacking) **Foraging: Absent** (habitat lacking)

Table 5. Special Status Birds

Species	Status	Habitat	Probability
Aquila chrysaetos **golden eagle** (nesting & wintering)	F: MBTA, BCC, BGEPA C: FP, WL Global: G5 State: S3 Other: BLM Sensitive MSHCP/NCCP: **Yes***	Open and semi-open areas with native vegetation. Primarily in mountains (up to 12,000 feet), around canyons, rimrock terrain, and riverside cliffs and bluffs. Nest, cliffs, steep escarpments and transmission line towers in grassland, chapparal, shrubland, forest, and other vegetated areas. Avoids developed areas and uninterrupted stretches of forest.	**Nesting: Absent** (habitat lacking) **Foraging: Moderate** (habitat suitable, modeled habitat present)
Asio otus **long-eared owl** (nesting)	F: MBTA C: SSC Global: G5 State: S3? MSHCP/NCCP: **Yes***	Riparian bottomlands grown to tall willows & cottonwoods; also, belts of live oak paralleling stream courses	**Nesting: Absent** (habitat lacking in BSA) **Foraging: Absent** (same as above)
Athene cunicularia **burrowing owl** (nesting & wintering)	F: MBTA, BCC C: SSC Global: G4 State: S3 Other: BLM sensitive MSHCP/NCCP: **Yes***	Open, dry annual or perennial grassland, deserts & scrublands characterized by low-growing vegetation. Burrow sites essential.	**Nesting: Moderate** (habitat suitable, modeled habitat present) **Foraging: Moderate-High** (Same as above. May also nest on adjacent properties and forage on-site)
Buteo swainsoni **Swainson's hawk** (nesting)	F: MBTA, BCC C: **THR** Global: G5 State: S3 Other: BLM Sensitive MSHCP/NCCP: **Yes***	Grasslands, plains, agricultural areas. Nests in tall trees (including Joshua trees) near waterways.	**Nesting: Absent** (species rare in area) **Foraging: Low** (migration only)
Coccyzus americanus occidentalis **western yellow-billed cuckoo** (nesting)	F: **THR** C: **END** Global: G5T2T3 State: S1 Other: BLM Sensitive MSHCP/NCCP: **Yes***	In CA, mature riparian forest with dense cover and surface water.	**Nesting: Absent** (habitat lacking in BSA) **Foraging: Absent** (same as above)
Empidonax trailii extimus **southwestern willow flycatcher** (nesting)	F: END C: END (full species) Global: G5T2 State: S1 MSHCP/NCCP: **Yes***	Willow riparian scrub and riparian forest	**Nesting: Absent** (habitat lacking in BSA) **Foraging: Low** (migration only)
Falco mexicanus **prairie falcon** (nesting)	F: MBTA, BCC C: WL Global: G5 State: S4 MSHCP/NCCP: **Yes***	Breeding sites located on cliffs, but forages far afield.	**Nesting: Absent** (habitat lacking) **Foraging**: **High** (hills and mountains in vicinity may provide suitable habitat; species is known to forage widely)

Table 5. Special Status Birds

Species	Status	Habitat	Probability
Icteria virens **yellow-breasted chat** (nesting)	F: MBTA, BCC C: SSC Global: G5 State: S3 MSHCP/NCCP: **Yes***	In the arid regions of the southwest nests in shrubby riparian habitats along rivers.	**Nesting**: **Absent** (habitats lacking in BSA) **Foraging: Low** (migration only)
Lanius ludovicianus **loggerhead shrike** (nesting)	F: MBTA, BCC C: SSC Global: G4 State: S4 MSHCP/NCCP: **Yes***	Breeds mainly in shrublands or open woodlands with some grass cover & areas of bare ground. Requires tall plants or structures for hunting & vocalization perches and open areas of short grasses, forbs, or bare ground for hunting.	**Nesting: High** (suitable habitat present) **Foraging**: **Occurs** (observed)
Myiarchus tyrannulus **brown-crested flycatcher** (nesting)	F: MBTA C: WL Global: G5 State: S3 MSHCP/NCCP: **Yes***	In CA, tall sycamores or cottonwoods along streams, in lowlands or canyons.	**Nesting: Absent** (habitat lacking) **Foraging**: **Absent** (habitat lacking)
Piranga rubra **summer tanager** (nesting)	F: None C: SSC Globa Rank: G5 State Rank: S1 MSHCP/NCCP: **Yes***	In the southwest, nests in low-elevation willow and cottonwood woodlands & in higher-elevation mesquite and saltcedar stands.	**Nesting**: **Very Low** (sparse Saltcedar present) **Foraging: Low** (Same as above and during migration)
Pyrocephalus rubinus **vermilion flycatcher** (nesting)	F: MBTA, BCC C: SSC (nesting) Global: G5 State: S2S3 MSHCP/NCCP: **Yes***	Usually associated with desert riparian habitats, forages from open perch. Also known to nest in landscaped, ornamental areas such as parks, golf courses and possibly residential.	**Nesting: Absent** (habitat lacking in BSA) **Foraging: Low** (Same as above)
Setophaga petechial **yellow warbler** (nesting)	F: None C: SSC Globa Rank: G5 State Rank: S3S4 MSHCP/NCCP: **Yes***	Riparian forests, woodlands & thickets.	**Nesting**: **Absent** (habitat lacking in BSA) **Foraging: Low** (migration only)
Toxostoma bendirei **Bendire's thrasher**	F: MBTA, BCC C: SSC Global Rank: G4G5 State Rank: S3 Other: BLM Sensitive MSHCP/NCCP: **Yes***	Desert, especially areas of tall vegetation, cholla cactus, creosote bush and yucca, and in juniper woodland	**Nesting**: **Low** (modeled habitat present but limited) **Foraging**: **Low** (same as above)

Table 5. Special Status Birds

Species	Status	Habitat	Probability
Toxostoma lecontei **Le Conte's thrasher**	F: MBTA, BCC C: SSC (San Joaquin population only) Global Rank: G4 State Rank: S3 Other: BLM sensitive MSHCP/NCCP: **Yes***	Primarily of open desert wash, desert scrub, alkali desert scrub, and desert succulent scrub habitats; commonly nests in a dense, spiny shrub or densely branched cactus in desert wash habitat, usually 2-8 feet above ground	**Nesting**: **Low** (habitat suitable but limited) **Foraging**: **Low** (habitat suitable)
Vireo bellii pusillus **least Bell's vireo** (nesting)	F: END C: END Global Rank: G5T2 State Rank: S2 **MSHCP/NCCP: Yes***	Riparian vegetation in the vicinity of water or in dry river bottoms; below 2000 feet elevation. Nests usually in willow, *Baccharis*, or mesquite.	**Nesting**: **Absent** (habitat lacking) **Foraging**: **Absent** (habitat lacking)

Table 6. Special Status Mammals

Species	Status	Habitat	Probability
Antrozous pallidus **pallid bat**	F: None C: SSC Global: G5 State: S3 Other: BLM sensitive, WBWG: H MSHCP/NCCP: **Yes***	Arid or semi-arid areas; usually associated with rocky, mountainous areas near water. Also found over open, sparsely vegetated grasslands, appear to prefer to forage in the open.	**Roosting: Absent** (habitat lacking) **Foraging: High** (may roost nearby)
Chaetodipus fallax pallidus **pallid San Diego pocket mouse**	F: None C: SSC Global: G5T3T4 State: S3S4 MSHCP/NCCP: **Yes***	Desert border areas in desert wash, desert scrub, desert succulent scrub, pinon-juniper, etc. Sandy herbaceous areas usually in association with rocks or coarse gravel.	**Low** (habitat marginal)
Corynorhinus townsendii **Townsend's big-eared bat**	F: None C: SSC Global: G3G4 State: S2 Other: BLM sensitive, WBWG: H MSHCP/NCCP: **Yes***	Variety of habitats near caves or other roosting areas; found from montane coniferous forest to arid desert scrub. Prefers large open areas for roosting.	**Roosting: Absent** (habitat lacking) **Foraging**: **High** (may roost nearby)
Lasiurus cinereus **hoary bat**	F: None C: None Global: G5 State: S4 Other: WBWG: M MSHCP/NCCP: **Yes***	Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for foraging. Roosts in dense foliage of medium to large tree	**Roosting: Low** (trees limited) **Foraging**: **High** (may roost nearby)

Table 6. Special Status Mammals

Species	Status	Habitat	Probability
Microtus californicus mohavensis **Mohave River vole**	F: None C: SSC Global: G5T1 State: S1 MSHCP/NCCP: **Yes***	Damp bottomland of the Mojave River, including riparian forest and freshwater marsh	**Absent** (habitat lacking)
Ovis canadensis nelsoni **desert bighorn sheep**	F: None C: FP Global: G4T4 State: S3 MSHCP/NCCP: **Yes***	Open, rocky, steep areas with available water and herbaceous forage	**Absent** (habitat lacking)
Vulpes macrotis arsipus **desert kit fox**	F: None C: Protected fur-bearing mammal Global: None State: None MSHCP/NCCP: **Yes***	Scrub habitats in the Mojave Desert and Colorado Desert	**Moderate** (suitable habitat present, BSA within geographic range)
Xerospermophilus mohavensis **Mohave ground squirrel**	F: none C: **THR** Global: G2G3 State: S2S3 MSHCP/NCCP: **Yes***	Creosote bush scrub, saltbush scrub; restricted to a small portion of the Mojave Desert	**Low** (suitable habitat present, BSA at edge of geographic range)

* Species proposed to be conserved and covered under the MSHCP/NCCP.

Definitions of status designations and occurrence probabilities for Tables 1-5

Definitions of occurrence probability:

***Occurs**:* Observed in the BSA by Amec Foster Wheeler personnel or recently reported by another credible source.

***High**:*Observed in similar habitat in region by qualified biologists, or habitat on the BSA is a type often utilized by the species and the BSA is within the known range of the species.

***Moderate**:*Reported sightings in surrounding region, or BSA is within the known range of the species and habitat on the BSA is a type occasionally used by the species.

***Low**:*PPA/APE is within the known range of the species but habitat on the BSA is rarely used by the species

***Very Low**:*Habitat is of marginal suitability and/or BSA is at the edge of species known range or distribution.

***Absent**:*A focused study failed to detect the species, suitable habitat not present, or BSA is outside the geographic distribution of the species.

***Unknown**:*No focused surveys have been performed in the region, and the species' distribution and habitat are poorly known.

MSHCP/NCCP designations

Yes: Proposed to be conserved and covered by the plan
No: Not proposed to be conserved or covered by the plan

Federal designations: (F = federal Endangered Species Act or USFWS designations)
END: Federally listed, Endangered
THR: Federally listed, Threatened
CAN: Candidate for Federal listing
MBTA: Migratory Bird Treaty Act
BGEPA: Bald & Golden Eagle Protection Act
BCC: Birds of Conservation Concern
BLM sensitive: Bureau of Land Management Sensitive
USFS sensitive: U.S. Forest Service Sensitive
None: No designation

***State designations*:** (C = California Endangered Species Act or CDFW designations)
END: State listed, Endangered
THR: State listed, Threatened
CAN: Candidate for State listing
RARE: State listed, Rare

FP: Fully Protected Species
SSC: Species of Special Concern
WL: Watch List Species

CDFW State (S) Rankings are a reflection of the overall condition of a resource throughout its range in California. The number after the decimal point represents a threat designation attached to the assigned rank:

S1 = Critically Imperiled. Less than (<) 6 Element Occurrences (EOs) OR < 1,000 individuals OR < 2,000 acres
- **S1.1** = very threatened
- **S1.2** = threatened
- **S1.3** = no current threats known

S2 = Imperiled. 6-20 EOs OR 1,000-3,000 individuals OR 2,000-10,000 acres
- **S2.1** = very threatened
- **S2.2** = threatened
- **S2.3** = no current threats known

S3 = Vulnerable. 21-80 EOs OR 3,000-10,000 individuals OR 10,000-50,000 acres
- **S3.1** = very threatened
- **S3.2** = threatened
- **S3.3** = no current threats known

S4 = Apparently Secure. Uncommon but not rare in the state; some cause for long-term concern.
S5 = Secure. Common, widespread, and abundant in the state.
SH = All known California sites are historical, not extant

CDFW *Global (G) Rankings* are a reflection of the overall status of an element throughout its global range. Both Global and State rankings are represented with a letter and number score that reflects a combination of Rarity, Threat, and Trend factors, with weighting being heavier on Rarity than the other two.

Species or Natural Community Levels:

G1 = Critically Imperiled. At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.

G2 = Imperiled. At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.

G3 = Vulnerable. At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.

G4 = Apparently Secure. Uncommon but not rare; some cause for long-term concern due to declines or other factors.
G5 = Secure. Common; widespread and abundant.

Subspecies Leves: Taxa which are subspecies or varieties receive a taxon rank (T-rank) attached to their G-rank. Where the G-rank reflects the condition of the entire species, the T-rank reflects the global situation of just the subspecies.

California Native Plant Society (CNPS) designations:

Primary Categories
LIST 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere
LIST 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere
LIST 2A: Plants Presumed Extirpated in California, But Common Elsewhere
LIST 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere
LIST 3: Plants About Which More Information is Needed - A Review List
LIST 4: Plants of Limited Distribution - A Watch List
Subdivisions within Categories
0.1: Seriously threatened in California
0.2: Moderately threatened in California
0.3: Not very threatened in California

6.0 DISCUSSION

6.1 Discussion of the Special-status Species Tables

Of the fifty-one (51) special-status species reported from the vicinity of, or having modeled habitat in the BSA, thirty-four (34) are considered to be absent from the site due to a lack of suitable habitats and/or the location of the BSA outside of the species geographic range (Tables 1 through 6). Representative examples include, but are not limited to: Booth's evening primrose (*Camissonia boothii* ssp. *boothii*), Mojave tarplant (*Deinandra mohavensis*), San Bernardino aster

(*Symphyotrichum defoliatum*), Victorville shoulderband (*Helminthoglypta mohaveana*), Mojave tui chub (*Siphateles bicolor mohavensis*), arroyo toad (*Anaxyrus californicus*), California red-legged frog (*Rana [aurora] draytonii*), southwestern pond turtle (*Clemys marmorata pallida*), coast horned lizard (*Phrynosoma blainvillii)*, tricolored blackbird, brown-crested flycatcher (*Myiarchus tyrannulus*), western yellow-billed cuckoo (*Coccyzus americanus occidentalis*), least Bell's vireo (*Vireo bellii pusillus*) and Mohave river vole (*Microtus californicus mohavensis*). These species will not be discussed further. Although generally considered to be absent, due to a lack of nesting or roosting habitats, some of the special-status species have the potential to nevertheless occur on-site during migration and/or during the winter, for foraging purposes only. Representative examples include: Cooper's hawk (*Accipter cooperii*), golden eagle, Swainson's hawk (*Buteo swainsoni*), prairie falcon (*Falco mexicanus*), pallid bat and Townsend's big-eared bat. These species will also not be discussed further as their potential occurrence is considered to be transient and/or intermittent, not resident. With the exception of obvious measures to prevent direct mortality, conservation and/or management considerations and actions are generally not required for foraging/wintering species. Even if these above referenced species that are generally considered to absent from the site were to occur on-site, all but one (1), tricolored blackbird, are proposed to be covered under and conserved by the MSHCP/NCCP. Therefore, impacts to these species, would be fully mitigated through participation in and compliance with the forthcoming plan.

Seventeen (17) special-status species known from the area have at least some potential (low to high) to occur in the BSA. Representative examples include: desert cymopterus, Mojave monkeyflower, desert tortoise, burrowing owl, loggerhead shrike, desert kit fox (*Vulpes macrotis arsipus*) and Mohave ground squirrel. These species have the potential to either grow or reside (i.e., nest, breed, roost and live) on-site, either permanently or seasonally due to the presence of suitable habitat and the location of the BSA within the geographic and elevational ranges of these species. All of the species are proposed to be covered under the MSHCP/NCCP. Participation in, and compliance with the MSHCP/NCCP, once implemented, would generally mitigate any future project-related impacts to these species. Additional management actions and measures, however, may be required for some of these species to avoid and/or minimize impacts. These species will not be discussed further in regards to the MSHCPNCCP, with the exception of those species that are likely to require further actions.

Impacts to special-status biological resources that are not proposed to be covered under the MSHCP/NCCP must be addressed, avoided and/or minimized to less than significant levels per the applicable federal and state endangered species acts, National Environmental Policy Act (NEPA) and/or California Environmental Quality Act (CEQA) as participation in the MSHCP/NCCP would not provide coverage or contribute to conservation efforts. Representative examples include, but are not limited to: jurisdictional areas and nesting bird species protected under the MBTA.

6.1.1 Special-status Species Covered under the MSHCP/NCCP Potentially Requiring Additional Impact Avoidance and/or Minimization Measures

Although participation in the MSHCP/NCCP and payment of the requisite development fees would generally provide coverage for and mitigate impacts to the special-status species covered under the plan, some of these species will likely require additional impact avoidance and/or minimization

measures for full MSHCP/NCCP compliance. Available draft MSHCP/NCCP documents do not yet list which species (if any) would require additional conservation measures or define what those measures may include; however, based on other MSHCP/NCCP's implemented in other areas of Southern California (i.e., Western Riverside County and Coachella Valley), the covered species with potential to occur in the BSA that may require additional actions by plan participants include, but are not necessarily limited to: desert tortoise, burrowing owl, loggerhead shrike, Le Conte's thrasher and Bendire's thrasher. These species are discussed separately below.

There is a moderate to high potential for desert tortoise to occur in the BSA based on the presence of suitable habitat and the known occurrence of the species in the vicinity. The desert tortoise is state and federally-listed as threatened. Although this species is also proposed to be covered under and conserved by the forthcoming MSHCP/NCCP, plan participants will also likely be required to implement additional actions, beyond the payment of a standard development fee, to ensure that impacts are avoided where possible and minimized to the maximum extent possible where avoidance is not possible. These additional actions may require, but not necessarily be limited to: 1) implementation of a Worker Environmental Awareness Program (WEAP), 2) pre-construction clearance surveys, 3) relocation (where necessary and authorized by the USFWS, CDFW and/or BLM, where applicable), 4) construction monitoring, 5) exclusion fencing, 6) trash containment and control to avoid or minimize the likelihood of attracting predators, and possibly a common raven management/control plan.

Although no sign (i.e., burrows, whitewash, pellets, feathers, etc.) of burrowing owl was observed during the assessment, suitable habitat is present and the BSA is within the geographic range of this species. Furthermore, California ground squirrels and their burrows, which are suitable for and often used by burrowing owls, were also observed. For these reasons, Amec Foster Wheeler considers there to be at least a moderate potential for burrowing owl to occur on, and in the immediate vicinity. Burrowing owls are not state or federally-listed as threatened or endangered, however are designated as a SSC by the CDFW. This species is proposed to be covered under, and conserved by, the MSHCP/NCCP, which means impacts would generally be mitigated through participation in and compliance with the plan. Although proposed to be covered and conserved by the MSHCP/NCCP, like the desert tortoise above, this species may require additional measures, beyond the payment of the standard development fee, by plan participants to ensure that impacts are avoided where possible and minimized to the maximum extent possible. Although burrowing owl would be a MSHCP-covered species, the federal permit that allows take of special-status species under the plan would not likely permit take of burrowing owl under the MBTA; therefore, surveys would likely be required where habitat is present. Burrowing owls are also sensitive to excessive noise and activities such as grading and operation of heavy equipment up to 500 feet away from occupied burrows may result in nest/burrow abandonment if/when such activities occur. Therefore, consideration of off-site impacts to burrowing owls would also likely be required. For these reasons, burrow searches, focused surveys (where burrows are found), preconstruction clearance surveys and monitoring (if the species is present) may be required in addition to the requisite development fee. When found to occur on or adjacent to a particular site proposed for development, the CDFW would also need to be contacted on a case by case basis for further guidance. Other actions that may be required include, but are not necessarily limited to, the following: 1) attendance at and compliance with a project-specific WEAP, 2) pre-construction clearance surveys, 3) biological monitoring, 4) establishment and

observance of no disturbance buffer zones around occupied burrows until the nestlings have fledged, and 5) trash containment and disposal to avoid attracting potential predators. Avoidance of activities (i.e., operation of heavy equipment) that might disrupt burrowing owl behavior may also apply. No disturbance buffer zone distances vary according to season. Outside of the breeding season (i.e., 1 September through 31 January), the CDFW recommends avoidance of disturbance to a 50 m radius around occupied burrows. During the nesting season (i.e., 1 February through 31 August), the CDFW recommends avoidance of disturbance to a 75 m radius around occupied burrows.

Loggerhead shrike was observed at one location in the BSA during the assessment. This species also has a high potential to occur (i.e., nest) throughout the BSA as this species nests in sparsely vegetated shrublands throughout the Mojave Desert and the southwest. Loggerhead shrike is not state or federally-listed as threatened or endangered, however is designated as a SSC by the CDFW and protected under the MBTA while nesting. This species is not proposed for coverage/conservation under the MSHCP/NCCP. For these reasons, any/all impacts to nesting loggerhead shrike must be avoided. The most effective, efficient and cost-effective way to avoid impacts to nesting loggerhead shrike, in addition to the other nesting bird species protected by the MBTA, is to avoid activities that have the potential to impact nesting birds during the nesting season (generally 1 February through 31 August for most species). Avoidance of the nesting season generally negates any further consideration of this, and most other bird species. If avoidance of the nesting season is not possible, pre-construction clearance surveys, biological monitoring and establishment of avoidance buffer zones (where necessary) around active nests would likely be required to minimize and mitigate impacts to nesting birds. Avoidance buffer zones are generally 300 feet for songbirds such as the loggerhead shrike but can be reduced on a case-by-case (often at the discretion of the biological monitor and with CDFW concurrence) basis depending on a variety of factors (i.e., topography, vegetation, existing structures, project-specific activities, etc.).

Le Conte's thrasher was not observed during the assessment conducted in the BSA. Le Conte's thrasher is associated with a variety of desert scrub habitats where spiny vegetation such as cacti occurs and provides suitable habitat for nesting. Cacti, peach thorn, Mojave yucca and Joshua trees were observed throughout the BSA and provide suitable nesting and foraging habitat for this species. For these reasons, there is at least a low potential for Le Conte's thrasher to nest and occur in the BSA. Le Conte's thrasher is not listed as threatened or endangered by the USFWS or the CDFW. The San Joaquin Valley population is, however, designated as a SSC by the CDFW. This species is also proposed to be covered and conserved under the MSHCP/NCCP. Although Le Conte's thrasher is proposed to be a covered species, the federal permit that would allow take of special-status species under the plan will not likely allow take of nesting bird species that are protected under the MBTA. Like most of the other nesting bird species occurring or potentially occurring in the BSA, avoidance of activities potentially impacting nesting birds during the nesting season would negate any further consideration of this, and most other bird species. If avoidance of the nesting season is not possible, preconstruction clearance surveys, biological monitoring and establishment of avoidance buffer zones (where necessary) around active nests may be required to avoid and/or minimize impacts to nesting birds occurring on- and/or adjacent to the site.

Bendire's thrasher was not observed during the assessment conducted in the BSA. This species is associated with a variety of desert scrub habitats, including Mojavean creosote bush scrub, particularly areas providing tall vegetation, creosote bush, yuccas and cholla cactus. For these reasons, there is at least a low potential for Bendire's thrasher to nest and occur in the BSA. Bendire's thrasher is not listed as threatened or endangered by the USFWS or the CDFW. This species is, however, designated as a SSC by the CDFW. Like Le Conte's thrasher above, Bendire's thrasher is proposed to be covered and conserved under the MSHCP/NCCP. Although proposed for coverage under the plan, MBTA protection and provisions will likely still apply requiring the avoidance of impacts to nesting birds, including Bendire's thrasher. Avoidance of disturbance during the nesting season (generally 1 February through 31 August) is the most affordable and easiest way to avoid potentially impacting nesting birds. Preconstruction clearance surveys during the nesting season, biological monitoring and/or establishment of avoidance buffer zones (where necessary) around nest sites may be required, when avoidance of the nesting season is not possible.

6.1.2 Special-status Biological Resources likely not Covered under the MSHCP/NCCP

6.1.2.1 *Migratory Bird Treaty Act*

Likely to be excluded from coverage or conservation under the MSHCP/NCCP are a variety of common bird species that have no special status designations but are nevertheless protected by the MBTA. This includes virtually all native migratory and resident bird species, including birds already known to occur or have the potential to occur in the vicinity. Representative examples include, but are not limited to: killdeer (*Charadrius vociferous*), common raven, common poorwill, greater roadrunner, verdin and black-throated sparrow (*Amphispiza bilineata*). Avoidance of impacts to all nesting migratory and resident birds will likely be a requirement of the federal permit issued for the MSHCP/NCCP. In order to avoid impacting nesting birds, avoidance of disturbance during the nesting season (generally 1 February 1 through 31 August) is recommended whenever and wherever possible. If avoidance of the nesting season is not feasible, additional impact avoidance and minimization measures may be required: These measures may include, but not necessarily limited to, the following: 1) attendance of and compliance with a project-specific WEAP, 2) pre-construction clearance surveys, 3) biological monitoring, 4) establishment and observance of no disturbance buffer zones around active bird nests found during the daily preconstruction surveys until the young birds have fledged and 5) trash containment and disposal to avoid attracting potential predators.

If nesting birds are found on a project site, work would not likely be permitted near the nest site (i.e., within the no disturbance buffer zone[s] surrounding nests) until young have fledged. While there is no established protocol for nest avoidance, when consulted the CDFW generally recommends avoidance buffers of about 500 feet for birds-of-prey, and 100–300 feet for songbirds. Routine monitoring of nests would document when the young have fledged and when potentially-disruptive project activities in the vicinity could be implemented without impacting nesting birds.

6.1.2.2 *Jurisdictional Areas*

Many unnamed, mostly small, drainages (i.e., dry washes) are present throughout the BSA. None of the observed drainages were flowing or exhibited surface water at the time of the assessment and no riparian or hydrophytic vegetation, one of the indicators of "wetlands", was observed.

Although these drainages would not likely meet the definition for wetlands, many would likely meet the definition of "waters of the United States" and/or "waters of the state of California" and thus fall under the jurisdiction of the U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB) and/or the CDFW. For these reasons, impacts (i.e., changes to the bed, bank or channel of rivers, streams and lakes) to these jurisdictional areas would require permitting by these agencies. Programmatic permits and/or authorizations for MSHCP/NCCP-covered activities, however, may be issued at some time in the future. Until such time, however, jurisdictional delineations, nationwide permits, individual permits, streambed alteration agreements, water quality certifications and/or any other required authorizations would need to be obtained by each individual project proponent, or the Town of Apple Valley on their behalf.

Avoidance of impacts to jurisdictional areas is recommended wherever possible. For unavoidable impacts, however, minimization and mitigation will likely be required. Standard mitigation for impacts to jurisdictional areas usually includes compensation of offsite "like" habitat, usually at a ratio of at least a 1:1. The establishment of buffer zones around retained/avoided drainages will likely be required. Buffer zones are typically at least 50 feet in width.

6.2 Multiple Species Habitat Conservation Plan

The BSA is to be located within the coverage area for the MSHCP/NCCP. Projects permitted under the MSHCP/NCCP have the potential to affect a variety of occurring or potentially-occurring special-status species that are proposed to be covered under the MSHCP/NCCP. Participation in (i.e., payment of a requisite development fee) and compliance with the requirements and provisions of the MSCHP/NCCP would ensure that project-related impacts to these species are permitted, covered, minimized and mitigated. Participation in the MSHCP/NCCP may, however, require additional actions for full coverage for some of these species, as described above.

6.3 Recommended Impact Avoidance and Minimization Measures

In addition to the payment of the requisite development fees and participation in the MSCHP/NCCP, which is designed to mitigate potential Project impacts to covered special-status biological resources occurring or potentially-occurring in the coverage area, additional measures designed to avoid and minimize impacts to the covered special-status biological resources potentially occurring on the Project site and/or immediately adjacent may also be required. Representative examples may include:

1) A preconstruction clearance survey within and adjacent to the project disturbance footprint prior to commencement of project-related activities on-site. The survey is intended to detect any special-status biological resources (i.e., all special-status species and active bird nests) prior to project implementation so that impacts can be avoided (where possible) or minimized (where necessary). Any/all special-status biological resources found in the immediate vicinity would be marked/mapped with a handheld GPS and these "Environmentally Sensitive Areas" will be flagged and/or staked in the field for avoidance and monitored during construction to ensure that impacts to these resources are avoided and/or minimized to the greatest extent possible.
2) Biological monitoring of all project-related disturbances that have the potential to affect special-status biological resources. The biological monitor would be qualified in the identification of the special-status biological resources potentially occurring on-site and

would have the authority to temporarily halt any and all project-related activities that threaten special-status resources in order to avoid and/or minimize impacts, and to contact the resource agencies (i.e., USFWS, CDFW, CVAG, etc.) should special-status biological resources be encountered during construction.

a. Impact avoidance and/or minimization measures implemented by the biological monitor would include:

i. Daily preconstruction clearance sweeps of the project site. The biological monitor would conduct preconstruction clearance sweeps immediately prior (i.e., the morning of and/or the day prior) to commencement of daily operations to detect special-status biological resources present within the current work zone. Any/all special-status biological resources found in the immediate vicinity would be marked/mapped with a handheld GPS, flagged in the field for avoidance and monitored during construction to ensure that impacts to these resources are avoided and/or minimized to the greatest extent possible.

ii. Issue a temporary stop work order to allow special-status species (i.e., desert tortoise, burrowing owl, Mohave ground squirrel, etc.) to voluntarily move away from the active work zone without interference from project personnel, including the biological monitor.

iii. Physical capture, temporary handling and immediate relocation of special-status species, when voluntary dispersal cannot be achieved, after receipt of authorization from respective resource agencies. This would likely include contacting the USFWS, CDFW and/or BLM to determine the best course of action, potential relocation areas and/or handling protocols.

3. Implementation of a Worker Environmental Awareness Program (WEAP) to inform project personnel working in the field of the potential presence of special-status biological resources along the alignment. The WEAP would include photographs, descriptions, conservation status, impact avoidance and minimization measures proposed and penalties associated with unauthorized impacts to the special-status species potentially occurring along the alignment. Project personnel would be required to attend the WEAP and sign an acknowledgment of attendance and agreement to comply with the measures outlined in the WEAP, MSHCP/NCCP and specific project permit requirements.

4. A trash containment plan and proper disposal to avoid attracting scavengers and predators to the Project site.

5. Completion of a jurisdictional delineation to determine the areas of the project disturbance footprint that are within jurisdictional areas and the permits, agreements and certifications as well as any mitigation required to compensate for unavoidable Project impacts to jurisdictional areas.

6. Restoration of the pre-existing topography, contours and native vegetation communities temporarily impacted by project implementation. This applies to all on-site and adjacent areas temporarily impacted by the project. Restoration aids in the recovery of the undeveloped, temporarily impacted vegetation, habitats and drainage.

7. Avoidance of landscaping with invasive and/or toxic plant species.
8. Avoidance of night work involving the use of bright lighting to avoid potential impacts to nocturnal wildlife such as bats.
9. Participation in and compliance with the all requirements, terms and conditions of the MSHCP/NCCP.

6.4 Recommended Actions Prior to Adoption of the MSHCP/NCCP

Until the MSHCP/NCCP is finalized and implemented, any/all proposed projects would need to individually comply with existing laws and regulations protecting listed and special-status biological resources. Project proponents would be required to individually fund and conduct a biological resources assessment for each project. When habitat for the potentially-occurring special-status species is not present on-and/or immediately adjacent to a given site, no direct or indirect disturbance or "take" of habitat would result, and disturbance to jurisdictional areas are entirely avoided, generally nothing more would be required and the proposed project could proceed. Biological resources assessments are generally considered to be valid for a one (1) year period. If project implementation exceeds one (1) year following the biological resources assessment, the process may need to be repeated.

When a biological resources assessment determines that habitat for special-status species (e.g., desert tortoise, Mohave ground squirrel, burrowing owl, nesting birds) is present on a given project site, usually focused surveys conducted in accordance with regulatory agency protocols are required. Depending on the species in question, these surveys have seasonal requirements, temperature requirements, daily time period requirements, surveyor qualifications requirements, etc. and can take months, sometimes even years to complete.

In lieu of conducting surveys, proponents can simply assume presence and mitigate accordingly. When focused surveys determine impacts to the occurring or potentially-occurring special-status species are possible, impacts would need to be entirely avoided or permitted individually through a Section 7 incidental take permit (for those projects having a federal nexus) or through a Section 10 incidental take permit (for those projects not having a federal nexus) under the FESA, section 2081 incidental take permit under the CESA, where applicable.

For projects potentially impacting special-status species habitat, focused surveys to determine each of the potentially-occurring special-status species would also likely be required. Focused surveys for Mohave ground squirrel involves an intensive trapping effort conducted by permitted biologists and in accordance with CDFW protocol. If evidence of any of these species is found to occur on, or adjacent to, a proposed project site, the respective above-referenced incidental take permits would be required. Permitting would include a list of terms, conditions and requirements for project implementation. Depending on the species in question, these terms, conditions and requirements may include, but are not limited to:

- Preconstruction clearance surveys
- Specific measures to avoid or minimize impacts
- Relocation of special-status species (i.e., desert tortoise, burrowing owl) to off-site areas where impact avoidance is not possible

- Biological monitoring
- A project-specific WEAP
- Trash containment and disposal
- Designated project speed limits
- Common raven control plan
- Restoration of temporarily disturbed areas
- The acquisition of compensatory habitat off-site

Projects potentially resulting in impacts to drainages would be required to quantify and delineate the limits of those impacts and apply for and receive various permits, authorizations and/or certificates from the USACOE, CDFW and/or RWQCB.

7.0 CONCLUSION

The proposed annexation of the 1,390-acre area commonly referred to as “the golden triangle” is not anticipated to significantly alter the conceptual landscape for the implementation of the forthcoming MSHCP/NCCP. This area is currently zoned for future residential, commercial and/or industrial development and does not appear to offer any viable long-term conservation value for any of the proposed covered species under the plan. This area is also not located immediately adjacent to any conservation areas proposed by the plan. Suitable habitat for a variety special-status species that are proposed to be covered by and conserved under the MSHCP/NCCP is, however, present within the proposed BSA. Although specific project-related impacts to the potentially-occurring MSHCP/NCCP-covered species are not currently known at this time, most anticipated future impacts (i.e., development) would generally be mitigated through participation in and compliance with the requirements of the plan (i.e., usually payment of a per-acre development fee), once the plan is finalized and implemented. Additional conservation actions, however, may be required to further minimize impacts for some of the covered species. Representative examples of special-status biological resources that may require additional conservation measures include, but are not limited to: desert tortoise, burrowing owl and other nesting bird species protected under the MBTA. Examples of additional conservation measures may include: 1) pre-construction clearance surveys for desert tortoise and burrowing owl, 2) relocation of any on-site desert tortoises and/or burrowing owl with project-specific agency concurrence and following specific requirements and guidelines for each, 3) avoidance of impacts to nesting bird species protected by the MBTA, 4) administration of a project-specific WEAP outlining required impact avoidance and minimization measures, 5) temporary exclusion fencing for desert tortoise, 6) implementation of a litter control and trash abatement program, 7) implementation of a common raven control/management plan, 8) landscaping with only approved plant species, and 9) avoidance of planting invasive and/or toxic exotic plant species. Additional conservation measures (if any) required for MSHCP/NCCP compliance and participation will be outlined and stipulated in their entirety by the plan.

In addition to participation and compliance with the MSHCP/NCCP, applicants proposing actions that may impact special-status biological resources that are not covered by the plan will either

need to avoid impacts to those resources or ensure impacts are minimized to acceptable levels. Participants impacting jurisdictional areas will likely need to delineate the limits of the jurisdictional areas, define and quantify the impacts and apply for permits, agreements and/or certifications from the USACE, CDFW and/or RWQCB for authorization prior to project implementation.

With participation in and compliance with the MSHCP/NCCP, the payment of required development fees and the implementation of any and all additional conservation measures for the 0occurring or potentially-occurring special-status species covered under the plan, as well as avoidance or mitigation of impacts to the occurring or potentially-occurring biological resources that are not covered under the plan (i.e., jurisdictional areas and nesting bird species protected by the MBTA), projects proposed in the BSA are anticipated to be in compliance with the proposed MSHCP/NCCP.

Until the MSHCP/NCCP is implemented and the associated take permits for the plan have been finalized and signed by all associated parties including the resource agencies, project proponents proposing disturbance to habitat within the BSA would be subject to current regulatory processes. These include conducting biological studies (i.e., assessments, focused surveys and/or jurisdictional delineations) to determine if the proposed action may impact potentially-occurring threatened or endangered species or otherwise special-status biological resources. If it is determined that a project has the potential to affect a threatened or endangered species, the proponent must apply for and receive an incidental take permits for unavoidable impacts. Projects resulting in impacts to other special-status biological resources (i.e., special concern species, nesting birds, jurisdictional areas) must also be avoided or minimized to acceptable levels. Once issued, permits will likely contain terms, conditions and requirements that are designed to avoid (where possible) and/or minimize project-related impacts to the greatest extent possible. These measures may include, but not limited to: 1) pre-construction clearance surveys, 2) relocation of special-status species off-site, 3) biological monitoring, 4) a WEAP, 5) trash containment, 6) speed limits, 7) common raven management plan, 8) restoration of temporarily disturbed areas, and 9) acquisition of compensatory habitat.

8.0 LITERATURE CITED AND REFERENCES

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APPENDIX 1

SPECIES LIST: VASCULAR PLANTS

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APPENDIX 1

SPECIES LIST: VASCULAR PLANTS

This list reports only plants observed on the site by this study. Other species may have been overlooked or undetectable due to their growing season. Unless noted otherwise, nomenclature and systematics follows Jepson Flora Project (2014) = non-native species, sp. = identified only to genus, *cf*= compares favorably with]. Common names not provided by Jepson Flora Project follows those provided by USDA, NRCS (2015b). [*†= special status species,* * = non-native species, sp. = identified only to genus, *cf*= compares favorably with]

CONIFERAE	**CONE BEARING PLANTS**
GNETAE	JOINT FIRS
Ephedraceae	**Ephedra Family**
Ephedra nevadensis	Nevada ephedra
DICOTYLEDONEAE	**DICOT FLOWERING PLANTS**
Asteraceae	**Sunflower Family**
Ambrosia acanthicarpa	annual bur-sage
Ambrosia dumosa	white bur-sage
Ambrosia salsola	common burrowbrush, cheesebush
Ericameria nauseosa	rubber rabbitbrush
Ericameria sp.	goldenbush
Stephanomeria pauciflora	wire-lettuce
Brassicaceae	**Mustard Family**
**Brassica tournefortii*	Saharan mustard
**Hirschfeldia incana*	short-pod mustard
**Lepidium* sp.	pepper grass
**Sisymbrium irio*	London rocket
**Sisymbrium* sp.	tumble mustard
Cactaceae	**Cactus Family**
Cylindropuntia echinocarpa	golden cholla
Cylindropuntia ramosissima	diamond cholla, pencil cactus
Chenopodiaceae	**Goosefoot Family**
Atriplex canescens	four-wing saltbush
Atriplex polycarpa	allscale saltbush
**Salsola tragus*	Russian thistle, tumbleweed
Euphorbiaceae	**Spurge Family**
Euphorbia albomarginata	rattlesnake sandmat

Geraniaceae	**Geranium Family**
**Erodium cicutarium*	redstem filaree
Lamiaceae	**Mint Family**
Scutellaria mexicana	bladder-sage
Loasaceae	**Stickleaf Family**
Petalonyx thurberi	sandpaper plant
Polegonaceae	**Buckwheat Family**
Eriogonum fasciculatum	California buckwheat
Eriogonum inflatum	desert trumpet
Eriogonum angulosum	angle-stem wild buckwheat
Solanaceae	**Nightshade Family**
Datura wrightii	jimsonweed
Lycium cooperi	peach thorn
Tamaricaceae	**Tamarisk Family**
**Tamarix ramosissima*	salt cedar
Zygophyllaceae	**Caltrop Family**
Larrea tridentata	creosote bush
MONOCOTYLEDONEAE	MONOCOT FLOWERING PLANTS
Liliaceae	**Lily Family**
Yucca brevifolia	Joshua tree
Yucca schidegera	Mojave yucca
Poaceae	**Grass Family**
Achnatherum hymenoides	Indian ricegrass
**Bromus madritensis ssp. rubens*	red brome
**Bromus tectorium*	cheat grass
**Schismus* cf. *barbatus*	common Mediterranean grass

APPENDIX 2

SPECIES LIST: VERTEBRATES

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APPENDIX 2

SPECIES LIST: VERTEBRATES

This list reports the vertebrate animals observed and/or detected in the BSA during the field work conducted by Amec Foster Wheeler on 3 August 2017. Many other species are expected to occur but were undetectable due to their activity patterns and/or current weather conditions. [*†= special status species,* * = non-native species, sp. = identified only to genus, *cf* = compares favorably with]

VERTEBRATES	
REPTILIA	**REPTILES**
Phrynosomatidae *Uta stansburiana elegans*	**Horned Lizards, Spiny Lizards & Relatives** western side-blotched lizard
AVES	**BIRDS**
Columbidae *Zenaida macroura*	**Pigeons and Doves** mourning dove
Caprimulgidae *Phalaenoptilus nuttallii*	**Goatsuckers** common poorwill
Corvidae *Corvus corax*	**Crows, Ravens & Jays** common raven
Alaudidae *Eremophila alpestris*	**Larks** horned lark
Lanidae ***Lanius ludovicianus*	**Shrikes** loggerhead shrike
Sturnidae **Sturnus vulgaris*	**Starlings and Allies** European Starling
Fringillidae *Carpodacus mexicanus*	**Cardueline Finches & Allies** house finch
MAMMALIA	**MAMMALS**
Canidae **Canis domesticus*	**Dogs, Foxes, Coyotes and Wolves** domestic dog (scat, tracks, digs)

Canis latrans	coyote (scat, tracks)
Leporidae	**Rabbits and Hares**
Lepus californicus	black-tailed jackrabbit
Cricetidae	**New World Mice and Rats**
Neotoma cf. lepida (middens)	desert woodrat (middens)
Squiridae	**Squirrels and Relatives**
Ammospermophilus leucurus	white-tailed antelope squirrel
Otospermophilus beecheyi	California ground squirrel
Rodentia	**Rodents**
Unknown (burrows)	unknown (burrows)

APPENDIX 3

PHOTOGRAPHIC EXHIBITS

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Photo 1. Representative condition of the BSA. View facing east.



Photo 2. Representative drainage in the BSA. View facing east.



Photo 3. Representative condition of the BSA. Single-family residential dwelling in background. View facing west.



Photo 4. Representative drainage in the BSA. View facing northwest.



Photo 5. Example of an on-site somewhat rocky knoll. View facing northeast.



Photo 6. Example of an on-site somewhat rocky knoll. View facing north.

Appendix C
Traffic Update Letter

URBAN CROSSROADS

260 E. Baker St. | Suite 200 | Costa Mesa, CA 92626 | (949) 660-1994
urbanxroads.com

October 25, 2017

Ms. Nicole Criste
Terra Nova Planning & Research
42635 Melanie Place #101
Palm Desert, CA 92211

SUBJECT: APPLE VALLEY LAND ANNEXATION TRIP GENERATION ASSESSMENT

Dear Ms. Nicole Criste:

This letter summarizes the findings for the trip generation assessment prepared for the proposed Apple Valley Land Annexation ("2017 Annexation"), which is located east of the I-15 Freeway, north of Johnson Road, and west of Dale Evans Parkway in the Town of Apple Valley.

The purpose of this letter is to determine if the proposed 2017 Annexation would generate more or fewer trips than that previously evaluated as part of the 2009 General Plan ("2009 Annexation"). The trip generation comparisons are based on the 9th Edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual (2012).

SUMMARY OF ANALYSIS FINDINGS

To make the necessary comparisons, trip generation estimates have been prepared for: 1) the 2009 Annexation Area; and 2) the proposed 2017 Annexation Area. Implementation of the proposed 2017 Annexation would result in an overall reduction of 117,738 trip-ends per day compared to the approved 2009 Annexation along with 7,759 fewer vehicle trips during the AM peak hour and 12,683 fewer vehicle trips during the PM peak hour. The decrease in trip generation is attributable to a reduction to the land area and intensity of the proposed uses. The following summarizes the reductions between the currently adopted and proposed annexation areas:

- Estate Residential: reduction of 475 dwelling units
- Medium Density Residential: reduction of 2,659 dwelling units
- Mixed-Use Residential: reduction of 854 dwelling units
- Commercial Retail: reduction of 1,591,630 square feet
- Office: increase of 113,318 square feet
- Industrial: reduction of 4,136,059 square feet

The traffic analysis previously performed for the 2009 Annexation indicated that the Preferred Scenario land use plan could be accommodated by the Town's planned circulation network at the target LOS C and D. Based on the reduction in trips identified for the proposed 2017 Annexation, it is anticipated that

the LOS previously projected for the roadways and intersections near the Annexation Area would be the same or in some cases improved as compared to the 2009 Annexation. As such, no new traffic impacts beyond those previously disclosed in the 2009 Annexation traffic study would occur as a result of the 2017 Annexation.

PROJECT DESCRIPTION

CURRENTLY ADOPTED: 2009 ANNEXATION

The 2009 General Plan Traffic Study included the following land use assumptions for the 2009 Annexation area:

- Estate Residential: 722 dwelling units
- Medium Density Residential: 2,659 dwelling units
- Mixed-Use Residential: 854 dwelling units
- Commercial Retail (Mixed-Use, Regional Commercial, General Commercial): 5,380,731 square feet
- Office: 1,754,639 square feet
- Industrial: 7,782,275 square feet

The 2009 Annexation area included the area bounded by the I-15 Freeway, Johnson Road, and Dale Evans Parkway (Annexation Area #1 or Golden Triangle area) and an area bounded by Central Road, Quarry Road, and Lafayette Street (Annexation Area #2 or northeast annexation area). Exhibit 1 shows the currently adopted annexation area.

PROPOSED: 2017 ANNEXATION

The Annexation Area #2 was annexed to the City shortly after adoption of the General Plan, and is not considered further in this analysis. The boundary for Annexation Area #1 has been revised for the purposes of the 2017 Annexation to include a smaller land area (see Exhibit 2). The following is a summary of the land use assumptions for the 2017 Annexation area (Golden Triangle area only):

- Estate Residential: 247 dwelling units
- Commercial Retail (Regional Commercial and General Commercial): 3,789,101 square feet
- Office: 1,867,957 square feet
- Industrial: 3,646,216 square feet

There are portions that are now anticipated to remain within the County of San Bernardino (see Exhibit 1). The land uses proposed for the area remaining within the County of San Bernardino are summarized below:

- Rural Living: 218 dwelling units
- Commercial Retail (General Commercial): 75,899 square feet

PROJECT TRIP GENERATION

Trip generation represents the amount of traffic which is both attracted to and produced by a development. Determining traffic generation for a specific project is therefore based upon forecasting the amount of traffic that is expected to be both attracted to and produced by the specific land uses being proposed for a given development. The trip generation rates used for this assessment are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in their latest Trip Generation Manual (10th Edition, 2017). The ITE Trip Generation Manual is a nationally recognized source for estimating site-specific trip generation.

In an effort to compare the net change in vehicle trips to be generated by the proposed 2017 Annexation as compared to the 2009 Annexation, current ITE trip generation rates for the land use categories general light industrial, single family residential, multifamily housing, general office, and commercial retail have been applied to each annexation scenario in order to provide an "apples to apples" comparison of trip generation. Trip generation rates used for the purposes of this assessment are shown in Table 1.

TABLE 1: TRIP GENERATION RATES

Land Use	Units[2]	ITE LU Code	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
General Light Industrial[3]	TSF	110	0.616	0.084	0.700	0.082	0.548	0.630	4.960
Passenger Cars			0.484	0.066	0.550	0.064	0.431	0.495	3.899
2-Axle Trucks (PCE = 1.5)			0.074	0.010	0.084	0.010	0.066	0.076	0.595
3-Axle Trucks (PCE = 2.0)			0.048	0.007	0.055	0.006	0.043	0.049	0.387
4-Axle+ Trucks (PCE = 3.0)			0.176	0.024	0.200	0.023	0.156	0.180	1.414
Single Family Detached Residential	DU	210	0.19	0.56	0.74	0.62	0.37	0.99	9.44
Multifamily Housing (Low-Rise)	DU	220	0.11	0.35	0.46	0.35	0.21	0.56	7.32
General Office	TSF	710	1.00	0.16	1.16	0.18	0.97	1.15	9.74
Shopping Center	TSF	820	0.58	0.36	0.94	1.83	1.98	3.81	37.75

[1] Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Tenth Edition (2017).

[2] DU = dwelling units; TSF = thousand square feet

[3] General Light Industrial Vehicle Mix Source: City of Fontana Truck Trip Generation Study for LU 110, August 2003. PCE rates are per SBCTA.

CURRENTLY ADOPTED: 2009 ANNEXATION

Table 2 summarizes the resulting trip generation estimates based on the 2009 Annexation land use assumptions. The adopted land uses for Annexation Area #1 generates a net total of approximately 309,176 trip-ends per day with 17,140 AM peak hour trips and 32,933 PM peak hour trips.

TABLE 2: TRIP GENERATION SUMMARY: 2009 ANNEXATION

Land Use	Quantity	Units[2]	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
Estate Residential	722	DU	134	401	535	450	264	714	6,816
Medium Density Residential	2,659	DU	492	1,476	1,968	1,658	974	2,632	25,101
Mixed-Use Residential	854	DU	158	474	632	533	313	846	8,062
Commercial Retail	5,380.731	TSF	3,136	1,922	5,058	9,840	10,660	20,500	203,123
General Office	1,754.639	TSF	1,750	285	2,035	323	1,695	2,018	17,090
General Light Industrial	7,782.275	TSF							
Passenger Cars:			3,768	514	4,282	501	3,353	3,854	30,340
Truck Trips:									
2-axle:			*575*	*78*	653	*76*	*512*	588	*4,632*
3-axle:			*374*	*51*	425	*50*	*333*	383	*3,011*
4+-axle:			*1,366*	*186*	1,552	*182*	*1,216*	1,398	*11,001*
- Net Truck Trips (PCE)[2]			*2,315*	*315*	*2,630*	*308*	*2,061*	*2,369*	*18,644*
Total			**11,753**	**5,387**	**17,140**	**13,613**	**19,320**	**32,933**	**309,176**

[1] Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Tenth Edition (2017).

[2] DU = dwelling units; TSF = thousand square feet

PROPOSED: 2017 ANNEXATION

The proposed 2017 Annexation is anticipated to generate a net total of approximately 191,438 trip-ends per day with 9,381 AM peak hour trips and 20,250 PM peak hour trips. The trip generation associated with the County of San Bernardino area has been calculated separately from the new Golden Triangle boundary.

TABLE 3: TRIP GENERATION SUMMARY: 2017 ANNEXATION AREAS

Land Use	Quantity	Units[2]	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
Golden Triangle Area									
Estate Residential	247	DU	46	137	183	154	90	244	2,332
Commercial Retail	3,789.101	TSF	2,208	1,353	3,561	6,930	7,507	14,437	143,039
General Office	1,867.957	TSF	1,863	303	2,166	344	1,804	2,148	18,194
General Light Industrial	3,646.216	TSF							
Passenger Cars:			1,765	241	2,006	235	1,571	1,806	14,215
Truck Trips:									
2-axle:			*270*	*37*	307	*36*	*240*	276	*2,170*
3-axle:			*175*	*24*	199	*23*	*156*	179	*1,411*
4+-axle:			*640*	*87*	727	*85*	*570*	655	*5,154*
- Net Truck Trips (PCE)[2]			*1,085*	*148*	*1,233*	*144*	*966*	*1,110*	*8,735*
Total (Golden Triangle Area)			6,967	2,182	9,149	7,807	11,938	19,745	186,515
County of San Bernardino Area									
Rural Living	218	DU	40	121	161	136	80	216	2,058
Commercial Retail	75.899	TSF	44	27	71	139	150	289	2,865
Total (County of San Bernardino Area)			84	148	232	275	230	505	4,923
Grand Total			**7,051**	**2,330**	**9,381**	**8,082**	**12,168**	**20,250**	**191,438**

[1] Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Tenth Edition (2017).

[2] DU = dwelling units; TSF = thousand square feet

TRIP GENERATION COMPARISON

As shown in Table 4, the development of the proposed 2017 Annexation is anticipated to generate 117,738 fewer trip-ends per day with 7,759 fewer AM peak hour trip and 12,683 fewer PM peak hour trips as compared to the currently adopted land uses within the 2009 Annexation.

TABLE 4: TRIP GENERATION COMPARISON

	AM Peak Hour			PM Peak Hour			
Land Use	**In**	**Out**	**Total**	**In**	**Out**	**Total**	**Daily**
2009 Annexation[1]	11,753	5,387	17,140	13,613	19,320	32,933	309,176
2017 Annexation[2]	7,051	2,330	9,381	8,082	12,168	20,250	191,438
Variance[3]	**-4,702**	**-3,057**	**-7,759**	**-5,531**	**-7,152**	**-12,683**	**-117,738**

[1] Total from Table 2.

[2] Total from Table 3.

[3] Variance = 2017 Annexation - 2009 Annexation. Negative value represents a reduction in trips.

CONCLUSION

The traffic analysis previously performed for the 2009 Annexation indicated that the Preferred Scenario land use plan could be accommodated by the Town's planned circulation network at the target LOS C and D. Based on the reduction in trips identified for the proposed 2017 Annexation, it is anticipated that the LOS previously projected for the roadways and intersections near the Annexation Area would be the same or in some cases improved as compared to the 2009 Annexation. As such, no new traffic impacts beyond those previously disclosed in the 2009 Annexation traffic study would occur as a result of the 2017 Annexation. If you have any questions or comments, I can be reached at (949) 336-5982.

URBAN CROSSROADS, INC.

Charlene So

Charlene So, PE
Senior Associate

Attachments

EXHIBIT 1: CURRENTLY ADOPTED AANNEXATION AREA

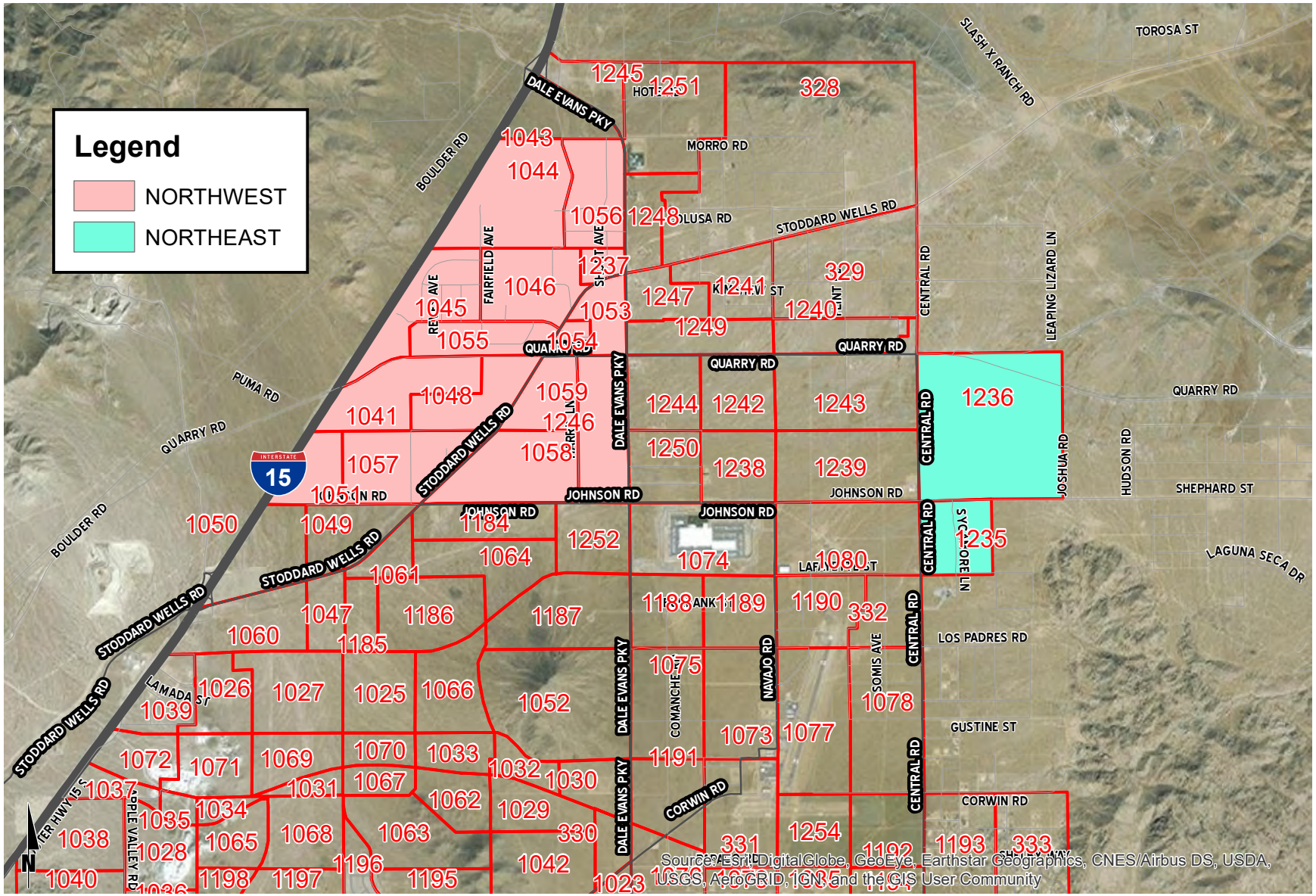


EXHIBIT 2: PROPOSED 2017 ANNEXATION AREA

