

# APPENDIX

# APPENDIX A

## Construction Emissions

## Mariposa Industrial Park - San Joaquin County, Annual

## Mariposa Industrial Park

### San Joaquin County, Annual

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses                        | Size     | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|----------|----------|-------------|--------------------|------------|
| Unrefrigerated Warehouse-No Rail | 3,616.87 | 1000sqft | 83.03       | 3,616,870.00       | 0          |

### 1.2 Other Project Characteristics

|                          |                                |                          |       |                           |       |
|--------------------------|--------------------------------|--------------------------|-------|---------------------------|-------|
| Urbanization             | Urban                          | Wind Speed (m/s)         | 2.7   | Precipitation Freq (Days) | 51    |
| Climate Zone             | 2                              |                          |       | Operational Year          | 2026  |
| Utility Company          | Pacific Gas & Electric Company |                          |       |                           |       |
| CO2 Intensity (lb/MW hr) | 641.35                         | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr)  | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Mobile Commute Mitigation - Entered by CalEEMod.

| Table Name           | Column Name                               | Default Value | New Value |
|----------------------|-------------------------------------------|---------------|-----------|
| tblAreaMitigation    | UseLowVOCPaintNonresidentialExteriorValue | 150           | 0         |
| tblAreaMitigation    | UseLowVOCPaintNonresidentialInteriorValue | 150           | 0         |
| tblAreaMitigation    | UseLowVOCPaintResidentialExteriorValue    | 150           | 0         |
| tblAreaMitigation    | UseLowVOCPaintResidentialInteriorValue    | 150           | 0         |
| tblConstructionPhase | NumDays                                   | 110.00        | 30.00     |
| tblConstructionPhase | NumDays                                   | 1,550.00      | 750.00    |

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|                      |                            |        |        |
|----------------------|----------------------------|--------|--------|
| tblConstructionPhase | NumDays                    | 100.00 | 10.00  |
| tblConstructionPhase | NumDays                    | 155.00 | 30.00  |
| tblConstructionPhase | NumDays                    | 110.00 | 45.00  |
| tblOffRoadEquipment  | HorsePower                 | 231.00 | 226.00 |
| tblOffRoadEquipment  | HorsePower                 | 187.00 | 174.00 |
| tblOffRoadEquipment  | HorsePower                 | 130.00 | 125.00 |
| tblOffRoadEquipment  | HorsePower                 | 247.00 | 255.00 |
| tblOffRoadEquipment  | HorsePower                 | 247.00 | 255.00 |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 3.00   | 2.00   |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 2.00   | 1.00   |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 2.00   | 1.00   |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 2.00   | 1.00   |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 3.00   | 2.00   |
| tblOffRoadEquipment  | OffRoadEquipmentUnitAmount | 4.00   | 1.00   |
| tblOffRoadEquipment  | UsageHours                 | 7.00   | 4.00   |
| tblOffRoadEquipment  | UsageHours                 | 8.00   | 6.00   |
| tblOffRoadEquipment  | UsageHours                 | 8.00   | 7.00   |
| tblOffRoadEquipment  | UsageHours                 | 8.00   | 7.00   |
| tblOffRoadEquipment  | UsageHours                 | 8.00   | 1.00   |
| tblOffRoadEquipment  | UsageHours                 | 8.00   | 1.00   |
| tblOffRoadEquipment  | UsageHours                 | 7.00   | 8.00   |
| tblOffRoadEquipment  | UsageHours                 | 8.00   | 6.00   |

## 2.0 Emissions Summary

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**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    |                |                |        |        |                |
| 2022    | 0.4413  | 4.0425 | 3.2462 | 0.0156 | 0.9984        | 0.0498       | 1.0482     | 0.2459         | 0.0463        | 0.2922      | 0.0000   | 1,443.594<br>5 | 1,443.594<br>5 | 0.0876 | 0.0000 | 1,445.785<br>5 |
| 2023    | 0.8778  | 7.3026 | 6.4684 | 0.0361 | 2.0822        | 0.0574       | 2.1396     | 0.5654         | 0.0530        | 0.6184      | 0.0000   | 3,359.131<br>2 | 3,359.131<br>2 | 0.1497 | 0.0000 | 3,362.874<br>0 |
| 2024    | 5.3181  | 7.2769 | 6.2491 | 0.0360 | 2.1192        | 0.0557       | 2.1750     | 0.5753         | 0.0516        | 0.6269      | 0.0000   | 3,344.324<br>9 | 3,344.324<br>9 | 0.1503 | 0.0000 | 3,348.082<br>5 |
| 2025    | 4.2945  | 3.3780 | 2.8286 | 0.0167 | 1.0037        | 0.0250       | 1.0286     | 0.2724         | 0.0231        | 0.2955      | 0.0000   | 1,554.036<br>6 | 1,554.036<br>6 | 0.0708 | 0.0000 | 1,555.806<br>3 |
| Maximum | 5.3181  | 7.3026 | 6.4684 | 0.0361 | 2.1192        | 0.0574       | 2.1750     | 0.5753         | 0.0530        | 0.6269      | 0.0000   | 3,359.131<br>2 | 3,359.131<br>2 | 0.1503 | 0.0000 | 3,362.874<br>0 |

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**2.1 Overall Construction****Mitigated Construction**

Used in the  
Construction Risk  
Calculation



|         | ROG     | NOx    | CO     | SO2    | 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    |                |                |        |        |                |
| 2022    | 0.4413  | 4.0425 | 3.2462 | 0.0156 | 0.9133        | 0.0498       | 0.9631     | 0.2366         | 0.0463        | 0.2829      | 0.0000   | 1,443.594<br>4 | 1,443.594<br>4 | 0.0876 | 0.0000 | 1,445.785<br>4 |
| 2023    | 0.8778  | 7.3026 | 6.4684 | 0.0361 | 2.0822        | 0.0574       | 2.1396     | 0.5654         | 0.0530        | 0.6184      | 0.0000   | 3,359.131<br>1 | 3,359.131<br>1 | 0.1497 | 0.0000 | 3,362.873<br>8 |
| 2024    | 5.3181  | 7.2648 | 6.2491 | 0.0360 | 2.1192        | 0.0557       | 2.1750     | 0.5753         | 0.0516        | 0.6269      | 0.0000   | 3,344.324<br>7 | 3,344.324<br>7 | 0.1503 | 0.0000 | 3,348.082<br>3 |
| 2025    | 4.2945  | 3.3653 | 2.8286 | 0.0167 | 1.0037        | 0.0250       | 1.0286     | 0.2724         | 0.0231        | 0.2955      | 0.0000   | 1,554.036<br>5 | 1,554.036<br>5 | 0.0708 | 0.0000 | 1,555.806<br>2 |
| Maximum | 5.3181  | 7.3026 | 6.4684 | 0.0361 | 2.1192        | 0.0574       | 2.1750     | 0.5753         | 0.0530        | 0.6269      | 0.0000   | 3,359.131<br>1 | 3,359.131<br>1 | 0.1503 | 0.0000 | 3,362.873<br>8 |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.11 | 0.00 | 0.00 | 1.37          | 0.00         | 1.33       | 0.56           | 0.00          | 0.50        | 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       | 4-4-2022   | 7-3-2022  | 0.2767                                       | 0.2767                                     |
| 2       | 7-4-2022   | 10-3-2022 | 1.7256                                       | 1.7256                                     |
| 3       | 10-4-2022  | 1-3-2023  | 2.5779                                       | 2.5779                                     |
| 4       | 1-4-2023   | 4-3-2023  | 2.0408                                       | 2.0408                                     |
| 5       | 4-4-2023   | 7-3-2023  | 2.0381                                       | 2.0381                                     |
| 6       | 7-4-2023   | 10-3-2023 | 2.0613                                       | 2.0613                                     |
| 7       | 10-4-2023  | 1-3-2024  | 2.0853                                       | 2.0853                                     |
| 8       | 1-4-2024   | 4-3-2024  | 2.0107                                       | 2.0107                                     |

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|    |           |           |        |        |
|----|-----------|-----------|--------|--------|
| 9  | 4-4-2024  | 7-3-2024  | 1.9872 | 1.9872 |
| 10 | 7-4-2024  | 10-3-2024 | 2.0098 | 2.0098 |
| 11 | 10-4-2024 | 1-3-2025  | 7.1163 | 7.1033 |
| 12 | 1-4-2025  | 4-3-2025  | 5.4026 | 5.3916 |
| 13 | 4-4-2025  | 7-3-2025  | 1.6607 | 1.6607 |
|    |           | Highest   | 7.1163 | 7.1033 |

## 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         | 5.7919        | 3.0000e-004    | 0.0332         | 0.0000        |                | 1.2000e-004   | 1.2000e-004    |                | 1.2000e-004   | 1.2000e-004   | 0.0000          | 0.0646             | 0.0646             | 1.7000e-004    | 0.0000        | 0.0688             |
| Energy       | 0.1192        | 1.0833         | 0.9100         | 6.5000e-003   |                | 0.0823        | 0.0823         |                | 0.0823        | 0.0823        | 0.0000          | 6,019.3600         | 6,019.3600         | 0.2415         | 0.0669        | 6,045.3328         |
| Mobile       | 3.0410        | 23.4291        | 36.7661        | 0.2305        | 16.1178        | 0.2163        | 16.3341        | 4.3503         | 0.2051        | 4.5554        | 0.0000          | 21,470.6420        | 21,470.6420        | 0.7284         | 0.0000        | 21,488.8509        |
| Waste        |               |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 690.1409        | 0.0000             | 690.1409           | 40.7862        | 0.0000        | 1,709.7948         |
| Water        |               |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 265.3515        | 1,316.5975         | 1,581.9490         | 27.3137        | 0.6559        | 2,460.2332         |
| <b>Total</b> | <b>8.9520</b> | <b>24.5127</b> | <b>37.7092</b> | <b>0.2370</b> | <b>16.1178</b> | <b>0.2988</b> | <b>16.4166</b> | <b>4.3503</b>  | <b>0.2875</b> | <b>4.6378</b> | <b>955.4924</b> | <b>28,806.6641</b> | <b>29,762.1565</b> | <b>69.0698</b> | <b>0.7228</b> | <b>31,704.2804</b> |

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**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         | 5.7919        | 3.0000e-004    | 0.0332         | 0.0000        |                | 1.2000e-004   | 1.2000e-004    |                | 1.2000e-004   | 1.2000e-004   | 0.0000          | 0.0646             | 0.0646             | 1.7000e-004    | 0.0000        | 0.0688             |
| Energy       | 0.1192        | 1.0833         | 0.9100         | 6.5000e-003   |                | 0.0823        | 0.0823         |                | 0.0823        | 0.0823        | 0.0000          | 6,019.3600         | 6,019.3600         | 0.2415         | 0.0669        | 6,045.3328         |
| Mobile       | 2.8449        | 20.9490        | 32.7617        | 0.2029        | 13.9462        | 0.1882        | 14.1344        | 3.7642         | 0.1784        | 3.9425        | 0.0000          | 18,897.0461        | 18,897.0461        | 0.6814         | 0.0000        | 18,914.0819        |
| Waste        |               |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 172.5352        | 0.0000             | 172.5352           | 10.1965        | 0.0000        | 427.4487           |
| Water        |               |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 212.2812        | 1,053.2780         | 1,265.5592         | 21.8509        | 0.5247        | 1,968.1865         |
| <b>Total</b> | <b>8.7559</b> | <b>22.0326</b> | <b>33.7048</b> | <b>0.2094</b> | <b>13.9462</b> | <b>0.2706</b> | <b>14.2168</b> | <b>3.7642</b>  | <b>0.2608</b> | <b>4.0250</b> | <b>384.8164</b> | <b>25,969.7487</b> | <b>26,354.5651</b> | <b>32.9705</b> | <b>0.5916</b> | <b>27,355.1188</b> |

|                          | ROG         | NOx          | CO           | SO2          | Fugitive PM10 | Exhaust PM10 | PM10 Total   | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total  | Bio- CO2     | NBio-CO2    | Total CO2    | CH4          | N2O          | CO2e         |
|--------------------------|-------------|--------------|--------------|--------------|---------------|--------------|--------------|----------------|---------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|
| <b>Percent Reduction</b> | <b>2.19</b> | <b>10.12</b> | <b>10.62</b> | <b>11.68</b> | <b>13.47</b>  | <b>9.43</b>  | <b>13.40</b> | <b>13.47</b>   | <b>9.29</b>   | <b>13.21</b> | <b>59.73</b> | <b>9.85</b> | <b>11.45</b> | <b>52.26</b> | <b>18.15</b> | <b>13.72</b> |

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**2.3 Vegetation****Vegetation**

|                        |                  |
|------------------------|------------------|
|                        | CO2e             |
| Category               | MT               |
| Vegetation Land Change | -961.0000        |
| <b>Total</b>           | <b>-961.0000</b> |

**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            | 4/4/2022   | 4/15/2022 | 5             | 10       |                   |
| 2            | Site Preparation      | Site Preparation      | 4/4/2022   | 6/24/2022 | 5             | 60       |                   |
| 3            | Grading               | Grading               | 6/25/2022  | 8/5/2022  | 5             | 30       |                   |
| 4            | Building Construction | Building Construction | 8/6/2022   | 6/20/2025 | 5             | 750      |                   |
| 5            | Paving                | Paving                | 12/2/2024  | 1/31/2025 | 5             | 45       |                   |
| 6            | Architectural Coating | Architectural Coating | 12/10/2024 | 1/20/2025 | 5             | 30       |                   |

**Acres of Grading (Site Preparation Phase): 203****Acres of Grading (Grading Phase): 85****Acres of Paving: 0**

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**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,425,305; Non-Residential Outdoor: 1,808,435; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Paving                | Cement and Mortar Mixers  | 4      | 6.00        | 9           | 0.56        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Building Construction | Cranes                    | 1      | 4.00        | 226         | 0.29        |
| Building Construction | Forklifts                 | 2      | 6.00        | 89          | 0.20        |
| Site Preparation      | Graders                   | 1      | 8.00        | 174         | 0.41        |
| Paving                | Pavers                    | 1      | 7.00        | 125         | 0.42        |
| Paving                | Rollers                   | 1      | 7.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 1      | 1.00        | 255         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 1.00        | 255         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Demolition            | Tractors/Loaders/Backhoes | 2      | 6.00        | 97          | 0.37        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 6.00        | 97          | 0.37        |
| Paving                | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Site Preparation      | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |

**Trips and VMT**

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| 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                       | 304.00             | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 5                       | 1,519.00           | 593.00             | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Demolition            | 4                       | 10.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 4                       | 10.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 2                       | 5.00               | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Alternative Fuel for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 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         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 2.0000e-003        | 0.0000             | 2.0000e-003        | 3.0000e-004        | 0.0000             | 3.0000e-004        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 3.5600e-003        | 0.0320        | 0.0395        | 6.0000e-005        |                    | 1.6700e-003        | 1.6700e-003        |                    | 1.6000e-003        | 1.6000e-003        | 0.0000        | 5.2268        | 5.2268        | 9.7000e-004        | 0.0000        | 5.2510        |
| <b>Total</b>  | <b>3.5600e-003</b> | <b>0.0320</b> | <b>0.0395</b> | <b>6.0000e-005</b> | <b>2.0000e-003</b> | <b>1.6700e-003</b> | <b>3.6700e-003</b> | <b>3.0000e-004</b> | <b>1.6000e-003</b> | <b>1.9000e-003</b> | <b>0.0000</b> | <b>5.2268</b> | <b>5.2268</b> | <b>9.7000e-004</b> | <b>0.0000</b> | <b>5.2510</b> |

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**3.2 Demolition - 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       | 1.7000e-004        | 1.1000e-004        | 1.1700e-003        | 0.0000        | 4.0000e-004        | 0.0000        | 4.0000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3278        | 0.3278        | 1.0000e-005        | 0.0000        | 0.3280        |
| <b>Total</b> | <b>1.7000e-004</b> | <b>1.1000e-004</b> | <b>1.1700e-003</b> | <b>0.0000</b> | <b>4.0000e-004</b> | <b>0.0000</b> | <b>4.0000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3278</b> | <b>0.3278</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3280</b> |

**Mitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 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 |                    |               |               |                    | 9.0000e-004        | 0.0000             | 9.0000e-004        | 1.4000e-004        | 0.0000             | 1.4000e-004        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 3.5600e-003        | 0.0320        | 0.0395        | 6.0000e-005        |                    | 1.6700e-003        | 1.6700e-003        |                    | 1.6000e-003        | 1.6000e-003        | 0.0000        | 5.2268        | 5.2268        | 9.7000e-004        | 0.0000        | 5.2510        |
| <b>Total</b>  | <b>3.5600e-003</b> | <b>0.0320</b> | <b>0.0395</b> | <b>6.0000e-005</b> | <b>9.0000e-004</b> | <b>1.6700e-003</b> | <b>2.5700e-003</b> | <b>1.4000e-004</b> | <b>1.6000e-003</b> | <b>1.7400e-003</b> | <b>0.0000</b> | <b>5.2268</b> | <b>5.2268</b> | <b>9.7000e-004</b> | <b>0.0000</b> | <b>5.2510</b> |

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**3.2 Demolition - 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       | 1.7000e-004        | 1.1000e-004        | 1.1700e-003        | 0.0000        | 4.0000e-004        | 0.0000        | 4.0000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3278        | 0.3278        | 1.0000e-005        | 0.0000        | 0.3280        |
| <b>Total</b> | <b>1.7000e-004</b> | <b>1.1000e-004</b> | <b>1.1700e-003</b> | <b>0.0000</b> | <b>4.0000e-004</b> | <b>0.0000</b> | <b>4.0000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3278</b> | <b>0.3278</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3280</b> |

**3.3 Site Preparation - 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         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.1076        | 0.0000        | 0.1076        | 0.0116         | 0.0000        | 0.0116        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0216        | 0.2060        | 0.1990        | 2.8000e-004        |               | 0.0114        | 0.0114        |                | 0.0105        | 0.0105        | 0.0000        | 24.5860        | 24.5860        | 7.9500e-003        | 0.0000        | 24.7848        |
| <b>Total</b>  | <b>0.0216</b> | <b>0.2060</b> | <b>0.1990</b> | <b>2.8000e-004</b> | <b>0.1076</b> | <b>0.0114</b> | <b>0.1190</b> | <b>0.0116</b>  | <b>0.0105</b> | <b>0.0221</b> | <b>0.0000</b> | <b>24.5860</b> | <b>24.5860</b> | <b>7.9500e-003</b> | <b>0.0000</b> | <b>24.7848</b> |

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**3.3 Site Preparation - 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       | 5.1000e-004        | 3.4000e-004        | 3.5200e-003        | 1.0000e-005        | 1.1900e-003        | 1.0000e-005        | 1.2000e-003        | 3.2000e-004        | 1.0000e-005        | 3.2000e-004        | 0.0000        | 0.9834        | 0.9834        | 2.0000e-005        | 0.0000        | 0.9840        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>3.4000e-004</b> | <b>3.5200e-003</b> | <b>1.0000e-005</b> | <b>1.1900e-003</b> | <b>1.0000e-005</b> | <b>1.2000e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>0.9834</b> | <b>0.9834</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.9840</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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 |               |               |               |                    | 0.0484        | 0.0000        | 0.0484        | 5.2300e-003        | 0.0000        | 5.2300e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0216        | 0.2060        | 0.1990        | 2.8000e-004        |               | 0.0114        | 0.0114        |                    | 0.0105        | 0.0105        | 0.0000        | 24.5860        | 24.5860        | 7.9500e-003        | 0.0000        | 24.7848        |
| <b>Total</b>  | <b>0.0216</b> | <b>0.2060</b> | <b>0.1990</b> | <b>2.8000e-004</b> | <b>0.0484</b> | <b>0.0114</b> | <b>0.0598</b> | <b>5.2300e-003</b> | <b>0.0105</b> | <b>0.0157</b> | <b>0.0000</b> | <b>24.5860</b> | <b>24.5860</b> | <b>7.9500e-003</b> | <b>0.0000</b> | <b>24.7848</b> |

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**3.3 Site Preparation - 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       | 5.1000e-004        | 3.4000e-004        | 3.5200e-003        | 1.0000e-005        | 1.1900e-003        | 1.0000e-005        | 1.2000e-003        | 3.2000e-004        | 1.0000e-005        | 3.2000e-004        | 0.0000        | 0.9834        | 0.9834        | 2.0000e-005        | 0.0000        | 0.9840        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>3.4000e-004</b> | <b>3.5200e-003</b> | <b>1.0000e-005</b> | <b>1.1900e-003</b> | <b>1.0000e-005</b> | <b>1.2000e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>0.9834</b> | <b>0.9834</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.9840</b> |

**3.4 Grading - 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         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0451        | 0.0000             | 0.0451        | 4.8700e-003        | 0.0000             | 4.8700e-003        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0107        | 0.0959        | 0.1185        | 1.8000e-004        |               | 5.0200e-003        | 5.0200e-003   |                    | 4.8000e-003        | 4.8000e-003        | 0.0000        | 15.6803        | 15.6803        | 2.9000e-003        | 0.0000        | 15.7529        |
| <b>Total</b>  | <b>0.0107</b> | <b>0.0959</b> | <b>0.1185</b> | <b>1.8000e-004</b> | <b>0.0451</b> | <b>5.0200e-003</b> | <b>0.0501</b> | <b>4.8700e-003</b> | <b>4.8000e-003</b> | <b>9.6700e-003</b> | <b>0.0000</b> | <b>15.6803</b> | <b>15.6803</b> | <b>2.9000e-003</b> | <b>0.0000</b> | <b>15.7529</b> |

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**3.4 Grading - 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       | 5.1000e-004        | 3.4000e-004        | 3.5200e-003        | 1.0000e-005        | 1.1900e-003        | 1.0000e-005        | 1.2000e-003        | 3.2000e-004        | 1.0000e-005        | 3.2000e-004        | 0.0000        | 0.9834        | 0.9834        | 2.0000e-005        | 0.0000        | 0.9840        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>3.4000e-004</b> | <b>3.5200e-003</b> | <b>1.0000e-005</b> | <b>1.1900e-003</b> | <b>1.0000e-005</b> | <b>1.2000e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>0.9834</b> | <b>0.9834</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.9840</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 |               |               |               |                    | 0.0203        | 0.0000             | 0.0203        | 2.1900e-003        | 0.0000             | 2.1900e-003        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0107        | 0.0959        | 0.1185        | 1.8000e-004        |               | 5.0200e-003        | 5.0200e-003   |                    | 4.8000e-003        | 4.8000e-003        | 0.0000        | 15.6803        | 15.6803        | 2.9000e-003        | 0.0000        | 15.7529        |
| <b>Total</b>  | <b>0.0107</b> | <b>0.0959</b> | <b>0.1185</b> | <b>1.8000e-004</b> | <b>0.0203</b> | <b>5.0200e-003</b> | <b>0.0253</b> | <b>2.1900e-003</b> | <b>4.8000e-003</b> | <b>6.9900e-003</b> | <b>0.0000</b> | <b>15.6803</b> | <b>15.6803</b> | <b>2.9000e-003</b> | <b>0.0000</b> | <b>15.7529</b> |

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**3.4 Grading - 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       | 5.1000e-004        | 3.4000e-004        | 3.5200e-003        | 1.0000e-005        | 1.1900e-003        | 1.0000e-005        | 1.2000e-003        | 3.2000e-004        | 1.0000e-005        | 3.2000e-004        | 0.0000        | 0.9834        | 0.9834        | 2.0000e-005        | 0.0000        | 0.9840        |
| <b>Total</b> | <b>5.1000e-004</b> | <b>3.4000e-004</b> | <b>3.5200e-003</b> | <b>1.0000e-005</b> | <b>1.1900e-003</b> | <b>1.0000e-005</b> | <b>1.2000e-003</b> | <b>3.2000e-004</b> | <b>1.0000e-005</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>0.9834</b> | <b>0.9834</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.9840</b> |

**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     | 0.0358        | 0.3665        | 0.3744        | 6.0000e-004        |               | 0.0194        | 0.0194        |                | 0.0179        | 0.0179        | 0.0000        | 52.2895        | 52.2895        | 0.0169        | 0.0000        | 52.7123        |
| <b>Total</b> | <b>0.0358</b> | <b>0.3665</b> | <b>0.3744</b> | <b>6.0000e-004</b> |               | <b>0.0194</b> | <b>0.0194</b> |                | <b>0.0179</b> | <b>0.0179</b> | <b>0.0000</b> | <b>52.2895</b> | <b>52.2895</b> | <b>0.0169</b> | <b>0.0000</b> | <b>52.7123</b> |

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**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       | 0.0958        | 3.1593        | 0.6342        | 8.6400e-003   | 0.2057        | 8.2100e-003   | 0.2139        | 0.0594         | 7.8500e-003   | 0.0673        | 0.0000        | 820.7021          | 820.7021          | 0.0465        | 0.0000        | 821.8638          |
| Worker       | 0.2726        | 0.1820        | 1.8724        | 5.7800e-003   | 0.6352        | 4.0400e-003   | 0.6393        | 0.1689         | 3.7200e-003   | 0.1726        | 0.0000        | 522.8153          | 522.8153          | 0.0124        | 0.0000        | 523.1249          |
| <b>Total</b> | <b>0.3685</b> | <b>3.3413</b> | <b>2.5067</b> | <b>0.0144</b> | <b>0.8409</b> | <b>0.0123</b> | <b>0.8532</b> | <b>0.2283</b>  | <b>0.0116</b> | <b>0.2399</b> | <b>0.0000</b> | <b>1,343.5173</b> | <b>1,343.5173</b> | <b>0.0589</b> | <b>0.0000</b> | <b>1,344.9886</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0358        | 0.3665        | 0.3744        | 6.0000e-004        |               | 0.0194        | 0.0194        |                | 0.0179        | 0.0179        | 0.0000        | 52.2894        | 52.2894        | 0.0169        | 0.0000        | 52.7122        |
| <b>Total</b> | <b>0.0358</b> | <b>0.3665</b> | <b>0.3744</b> | <b>6.0000e-004</b> |               | <b>0.0194</b> | <b>0.0194</b> |                | <b>0.0179</b> | <b>0.0179</b> | <b>0.0000</b> | <b>52.2894</b> | <b>52.2894</b> | <b>0.0169</b> | <b>0.0000</b> | <b>52.7122</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**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       | 0.0958        | 3.1593        | 0.6342        | 8.6400e-003   | 0.2057        | 8.2100e-003   | 0.2139        | 0.0594         | 7.8500e-003   | 0.0673        | 0.0000        | 820.7021          | 820.7021          | 0.0465        | 0.0000        | 821.8638          |
| Worker       | 0.2726        | 0.1820        | 1.8724        | 5.7800e-003   | 0.6352        | 4.0400e-003   | 0.6393        | 0.1689         | 3.7200e-003   | 0.1726        | 0.0000        | 522.8153          | 522.8153          | 0.0124        | 0.0000        | 523.1249          |
| <b>Total</b> | <b>0.3685</b> | <b>3.3413</b> | <b>2.5067</b> | <b>0.0144</b> | <b>0.8409</b> | <b>0.0123</b> | <b>0.8532</b> | <b>0.2283</b>  | <b>0.0116</b> | <b>0.2399</b> | <b>0.0000</b> | <b>1,343.5173</b> | <b>1,343.5173</b> | <b>0.0589</b> | <b>0.0000</b> | <b>1,344.9886</b> |

**3.5 Building Construction - 2023****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0817        | 0.8291        | 0.9200        | 1.4700e-003        |               | 0.0414        | 0.0414        |                | 0.0381        | 0.0381        | 0.0000        | 129.5577        | 129.5577        | 0.0419        | 0.0000        | 130.6053        |
| <b>Total</b> | <b>0.0817</b> | <b>0.8291</b> | <b>0.9200</b> | <b>1.4700e-003</b> |               | <b>0.0414</b> | <b>0.0414</b> |                | <b>0.0381</b> | <b>0.0381</b> | <b>0.0000</b> | <b>129.5577</b> | <b>129.5577</b> | <b>0.0419</b> | <b>0.0000</b> | <b>130.6053</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.5 Building Construction - 2023****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 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       | 0.1684        | 6.0699        | 1.3227        | 0.0209        | 0.5093        | 6.2400e-003   | 0.5156        | 0.1472         | 5.9700e-003   | 0.1532        | 0.0000        | 1,983.1627        | 1,983.1627        | 0.0804        | 0.0000        | 1,985.1734        |
| Worker       | 0.6277        | 0.4037        | 4.2256        | 0.0138        | 1.5729        | 9.7100e-003   | 1.5826        | 0.4182         | 8.9400e-003   | 0.4271        | 0.0000        | 1,246.4108        | 1,246.4108        | 0.0274        | 0.0000        | 1,247.0953        |
| <b>Total</b> | <b>0.7961</b> | <b>6.4736</b> | <b>5.5483</b> | <b>0.0347</b> | <b>2.0822</b> | <b>0.0160</b> | <b>2.0982</b> | <b>0.5654</b>  | <b>0.0149</b> | <b>0.5803</b> | <b>0.0000</b> | <b>3,229.5735</b> | <b>3,229.5735</b> | <b>0.1078</b> | <b>0.0000</b> | <b>3,232.2687</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0817        | 0.8291        | 0.9200        | 1.4700e-003        |               | 0.0414        | 0.0414        |                | 0.0381        | 0.0381        | 0.0000        | 129.5576        | 129.5576        | 0.0419        | 0.0000        | 130.6051        |
| <b>Total</b> | <b>0.0817</b> | <b>0.8291</b> | <b>0.9200</b> | <b>1.4700e-003</b> |               | <b>0.0414</b> | <b>0.0414</b> |                | <b>0.0381</b> | <b>0.0381</b> | <b>0.0000</b> | <b>129.5576</b> | <b>129.5576</b> | <b>0.0419</b> | <b>0.0000</b> | <b>130.6051</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.5 Building Construction - 2023****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 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       | 0.1684        | 6.0699        | 1.3227        | 0.0209        | 0.5093        | 6.2400e-003   | 0.5156        | 0.1472         | 5.9700e-003   | 0.1532        | 0.0000        | 1,983.1627        | 1,983.1627        | 0.0804        | 0.0000        | 1,985.1734        |
| Worker       | 0.6277        | 0.4037        | 4.2256        | 0.0138        | 1.5729        | 9.7100e-003   | 1.5826        | 0.4182         | 8.9400e-003   | 0.4271        | 0.0000        | 1,246.4108        | 1,246.4108        | 0.0274        | 0.0000        | 1,247.0953        |
| <b>Total</b> | <b>0.7961</b> | <b>6.4736</b> | <b>5.5483</b> | <b>0.0347</b> | <b>2.0822</b> | <b>0.0160</b> | <b>2.0982</b> | <b>0.5654</b>  | <b>0.0149</b> | <b>0.5803</b> | <b>0.0000</b> | <b>3,229.5735</b> | <b>3,229.5735</b> | <b>0.1078</b> | <b>0.0000</b> | <b>3,232.2687</b> |

**3.5 Building Construction - 2024****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0775        | 0.7776        | 0.9233        | 1.4900e-003        |               | 0.0368        | 0.0368        |                | 0.0338        | 0.0338        | 0.0000        | 130.5988        | 130.5988        | 0.0422        | 0.0000        | 131.6548        |
| <b>Total</b> | <b>0.0775</b> | <b>0.7776</b> | <b>0.9233</b> | <b>1.4900e-003</b> |               | <b>0.0368</b> | <b>0.0368</b> |                | <b>0.0338</b> | <b>0.0338</b> | <b>0.0000</b> | <b>130.5988</b> | <b>130.5988</b> | <b>0.0422</b> | <b>0.0000</b> | <b>131.6548</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.5 Building Construction - 2024****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 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       | 0.1640        | 6.0625        | 1.2596        | 0.0209        | 0.5132        | 6.2000e-003   | 0.5194        | 0.1483         | 5.9300e-003   | 0.1543        | 0.0000        | 1,983.5878        | 1,983.5878        | 0.0800        | 0.0000        | 1,985.5872        |
| Worker       | 0.5906        | 0.3654        | 3.9236        | 0.0133        | 1.5850        | 9.5100e-003   | 1.5945        | 0.4214         | 8.7500e-003   | 0.4302        | 0.0000        | 1,202.0210        | 1,202.0210        | 0.0247        | 0.0000        | 1,202.6381        |
| <b>Total</b> | <b>0.7545</b> | <b>6.4278</b> | <b>5.1832</b> | <b>0.0342</b> | <b>2.0983</b> | <b>0.0157</b> | <b>2.1140</b> | <b>0.5697</b>  | <b>0.0147</b> | <b>0.5844</b> | <b>0.0000</b> | <b>3,185.6088</b> | <b>3,185.6088</b> | <b>0.1047</b> | <b>0.0000</b> | <b>3,188.2253</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0775        | 0.7776        | 0.9233        | 1.4900e-003        |               | 0.0368        | 0.0368        |                | 0.0338        | 0.0338        | 0.0000        | 130.5987        | 130.5987        | 0.0422        | 0.0000        | 131.6546        |
| <b>Total</b> | <b>0.0775</b> | <b>0.7776</b> | <b>0.9233</b> | <b>1.4900e-003</b> |               | <b>0.0368</b> | <b>0.0368</b> |                | <b>0.0338</b> | <b>0.0338</b> | <b>0.0000</b> | <b>130.5987</b> | <b>130.5987</b> | <b>0.0422</b> | <b>0.0000</b> | <b>131.6546</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.5 Building Construction - 2024****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 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       | 0.1640        | 6.0625        | 1.2596        | 0.0209        | 0.5132        | 6.2000e-003   | 0.5194        | 0.1483         | 5.9300e-003   | 0.1543        | 0.0000        | 1,983.5878        | 1,983.5878        | 0.0800        | 0.0000        | 1,985.5872        |
| Worker       | 0.5906        | 0.3654        | 3.9236        | 0.0133        | 1.5850        | 9.5100e-003   | 1.5945        | 0.4214         | 8.7500e-003   | 0.4302        | 0.0000        | 1,202.0210        | 1,202.0210        | 0.0247        | 0.0000        | 1,202.6381        |
| <b>Total</b> | <b>0.7545</b> | <b>6.4278</b> | <b>5.1832</b> | <b>0.0342</b> | <b>2.0983</b> | <b>0.0157</b> | <b>2.1140</b> | <b>0.5697</b>  | <b>0.0147</b> | <b>0.5844</b> | <b>0.0000</b> | <b>3,185.6088</b> | <b>3,185.6088</b> | <b>0.1047</b> | <b>0.0000</b> | <b>3,188.2253</b> |

**3.5 Building Construction - 2025****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0337        | 0.3350        | 0.4311        | 7.0000e-004        |               | 0.0148        | 0.0148        |                | 0.0136        | 0.0136        | 0.0000        | 61.3444        | 61.3444        | 0.0198        | 0.0000        | 61.8405        |
| <b>Total</b> | <b>0.0337</b> | <b>0.3350</b> | <b>0.4311</b> | <b>7.0000e-004</b> |               | <b>0.0148</b> | <b>0.0148</b> |                | <b>0.0136</b> | <b>0.0136</b> | <b>0.0000</b> | <b>61.3444</b> | <b>61.3444</b> | <b>0.0198</b> | <b>0.0000</b> | <b>61.8405</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.5 Building Construction - 2025****Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 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       | 0.0748        | 2.8198        | 0.5646        | 9.7300e-003   | 0.2410        | 2.8700e-003        | 0.2438        | 0.0696         | 2.7500e-003        | 0.0724        | 0.0000        | 924.7276          | 924.7276          | 0.0370        | 0.0000        | 925.6532          |
| Worker       | 0.2603        | 0.1553        | 1.6981        | 5.9900e-003   | 0.7441        | 4.3700e-003        | 0.7485        | 0.1978         | 4.0200e-003        | 0.2019        | 0.0000        | 541.9792          | 541.9792          | 0.0105        | 0.0000        | 542.2409          |
| <b>Total</b> | <b>0.3351</b> | <b>2.9751</b> | <b>2.2627</b> | <b>0.0157</b> | <b>0.9851</b> | <b>7.2400e-003</b> | <b>0.9923</b> | <b>0.2675</b>  | <b>6.7700e-003</b> | <b>0.2742</b> | <b>0.0000</b> | <b>1,466.7068</b> | <b>1,466.7068</b> | <b>0.0475</b> | <b>0.0000</b> | <b>1,467.8941</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 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     | 0.0337        | 0.3350        | 0.4311        | 7.0000e-004        |               | 0.0148        | 0.0148        |                | 0.0136        | 0.0136        | 0.0000        | 61.3444        | 61.3444        | 0.0198        | 0.0000        | 61.8404        |
| <b>Total</b> | <b>0.0337</b> | <b>0.3350</b> | <b>0.4311</b> | <b>7.0000e-004</b> |               | <b>0.0148</b> | <b>0.0148</b> |                | <b>0.0136</b> | <b>0.0136</b> | <b>0.0000</b> | <b>61.3444</b> | <b>61.3444</b> | <b>0.0198</b> | <b>0.0000</b> | <b>61.8404</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.5 Building Construction - 2025****Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 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       | 0.0748        | 2.8198        | 0.5646        | 9.7300e-003   | 0.2410        | 2.8700e-003        | 0.2438        | 0.0696         | 2.7500e-003        | 0.0724        | 0.0000        | 924.7276          | 924.7276          | 0.0370        | 0.0000        | 925.6532          |
| Worker       | 0.2603        | 0.1553        | 1.6981        | 5.9900e-003   | 0.7441        | 4.3700e-003        | 0.7485        | 0.1978         | 4.0200e-003        | 0.2019        | 0.0000        | 541.9792          | 541.9792          | 0.0105        | 0.0000        | 542.2409          |
| <b>Total</b> | <b>0.3351</b> | <b>2.9751</b> | <b>2.2627</b> | <b>0.0157</b> | <b>0.9851</b> | <b>7.2400e-003</b> | <b>0.9923</b> | <b>0.2675</b>  | <b>6.7700e-003</b> | <b>0.2742</b> | <b>0.0000</b> | <b>1,466.7068</b> | <b>1,466.7068</b> | <b>0.0475</b> | <b>0.0000</b> | <b>1,467.8941</b> |

**3.6 Paving - 2024****Unmitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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     | 6.4300e-003        | 0.0569        | 0.0763        | 1.2000e-004        |               | 2.6400e-003        | 2.6400e-003        |                | 2.4700e-003        | 2.4700e-003        | 0.0000        | 10.1878        | 10.1878        | 2.9600e-003        | 0.0000        | 10.2619        |
| Paving       | 0.0000             |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>6.4300e-003</b> | <b>0.0569</b> | <b>0.0763</b> | <b>1.2000e-004</b> |               | <b>2.6400e-003</b> | <b>2.6400e-003</b> |                | <b>2.4700e-003</b> | <b>2.4700e-003</b> | <b>0.0000</b> | <b>10.1878</b> | <b>10.1878</b> | <b>2.9600e-003</b> | <b>0.0000</b> | <b>10.2619</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.6 Paving - 2024****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 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       | 5.9000e-004        | 3.6000e-004        | 3.9000e-003        | 1.0000e-005        | 1.5800e-003        | 1.0000e-005        | 1.5900e-003        | 4.2000e-004        | 1.0000e-005        | 4.3000e-004        | 0.0000        | 1.1961        | 1.1961        | 2.0000e-005        | 0.0000        | 1.1967        |
| <b>Total</b> | <b>5.9000e-004</b> | <b>3.6000e-004</b> | <b>3.9000e-003</b> | <b>1.0000e-005</b> | <b>1.5800e-003</b> | <b>1.0000e-005</b> | <b>1.5900e-003</b> | <b>4.2000e-004</b> | <b>1.0000e-005</b> | <b>4.3000e-004</b> | <b>0.0000</b> | <b>1.1961</b> | <b>1.1961</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>1.1967</b> |

**Mitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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     | 6.4300e-003        | 0.0447        | 0.0763        | 1.2000e-004        |               | 2.6400e-003        | 2.6400e-003        |                | 2.4700e-003        | 2.4700e-003        | 0.0000        | 10.1878        | 10.1878        | 2.9600e-003        | 0.0000        | 10.2619        |
| Paving       | 0.0000             |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>6.4300e-003</b> | <b>0.0447</b> | <b>0.0763</b> | <b>1.2000e-004</b> |               | <b>2.6400e-003</b> | <b>2.6400e-003</b> |                | <b>2.4700e-003</b> | <b>2.4700e-003</b> | <b>0.0000</b> | <b>10.1878</b> | <b>10.1878</b> | <b>2.9600e-003</b> | <b>0.0000</b> | <b>10.2619</b> |

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**3.6 Paving - 2024****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 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       | 5.9000e-004        | 3.6000e-004        | 3.9000e-003        | 1.0000e-005        | 1.5800e-003        | 1.0000e-005        | 1.5900e-003        | 4.2000e-004        | 1.0000e-005        | 4.3000e-004        | 0.0000        | 1.1961        | 1.1961        | 2.0000e-005        | 0.0000        | 1.1967        |
| <b>Total</b> | <b>5.9000e-004</b> | <b>3.6000e-004</b> | <b>3.9000e-003</b> | <b>1.0000e-005</b> | <b>1.5800e-003</b> | <b>1.0000e-005</b> | <b>1.5900e-003</b> | <b>4.2000e-004</b> | <b>1.0000e-005</b> | <b>4.3000e-004</b> | <b>0.0000</b> | <b>1.1961</b> | <b>1.1961</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>1.1967</b> |

**3.6 Paving - 2025****Unmitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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     | 6.4200e-003        | 0.0560        | 0.0797        | 1.3000e-004        |               | 2.4900e-003        | 2.4900e-003        |                | 2.3300e-003        | 2.3300e-003        | 0.0000        | 10.6513        | 10.6513        | 3.1000e-003        | 0.0000        | 10.7287        |
| Paving       | 0.0000             |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>6.4200e-003</b> | <b>0.0560</b> | <b>0.0797</b> | <b>1.3000e-004</b> |               | <b>2.4900e-003</b> | <b>2.4900e-003</b> |                | <b>2.3300e-003</b> | <b>2.3300e-003</b> | <b>0.0000</b> | <b>10.6513</b> | <b>10.6513</b> | <b>3.1000e-003</b> | <b>0.0000</b> | <b>10.7287</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.6 Paving - 2025****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 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       | 5.8000e-004        | 3.4000e-004        | 3.7600e-003        | 1.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.2009        | 1.2009        | 2.0000e-005        | 0.0000        | 1.2015        |
| <b>Total</b> | <b>5.8000e-004</b> | <b>3.4000e-004</b> | <b>3.7600e-003</b> | <b>1.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.2009</b> | <b>1.2009</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>1.2015</b> |

**Mitigated Construction On-Site**

|              | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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     | 6.4200e-003        | 0.0433        | 0.0797        | 1.3000e-004        |               | 2.4900e-003        | 2.4900e-003        |                | 2.3300e-003        | 2.3300e-003        | 0.0000        | 10.6513        | 10.6513        | 3.1000e-003        | 0.0000        | 10.7287        |
| Paving       | 0.0000             |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>6.4200e-003</b> | <b>0.0433</b> | <b>0.0797</b> | <b>1.3000e-004</b> |               | <b>2.4900e-003</b> | <b>2.4900e-003</b> |                | <b>2.3300e-003</b> | <b>2.3300e-003</b> | <b>0.0000</b> | <b>10.6513</b> | <b>10.6513</b> | <b>3.1000e-003</b> | <b>0.0000</b> | <b>10.7287</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.6 Paving - 2025****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 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       | 5.8000e-004        | 3.4000e-004        | 3.7600e-003        | 1.0000e-005        | 1.6500e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.2009        | 1.2009        | 2.0000e-005        | 0.0000        | 1.2015        |
| <b>Total</b> | <b>5.8000e-004</b> | <b>3.4000e-004</b> | <b>3.7600e-003</b> | <b>1.0000e-005</b> | <b>1.6500e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.2009</b> | <b>1.2009</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>1.2015</b> |

**3.7 Architectural Coating - 2024****Unmitigated Construction On-Site**

|                 | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 | 4.4705        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.4500e-003   | 9.7500e-003        | 0.0145        | 2.0000e-005        |               | 4.9000e-004        | 4.9000e-004        |                | 4.9000e-004        | 4.9000e-004        | 0.0000        | 2.0426        | 2.0426        | 1.2000e-004        | 0.0000        | 2.0455        |
| <b>Total</b>    | <b>4.4719</b> | <b>9.7500e-003</b> | <b>0.0145</b> | <b>2.0000e-005</b> |               | <b>4.9000e-004</b> | <b>4.9000e-004</b> |                | <b>4.9000e-004</b> | <b>4.9000e-004</b> | <b>0.0000</b> | <b>2.0426</b> | <b>2.0426</b> | <b>1.2000e-004</b> | <b>0.0000</b> | <b>2.0455</b> |

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**3.7 Architectural Coating - 2024****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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       | 7.2200e-003        | 4.4700e-003        | 0.0480        | 1.6000e-004        | 0.0194        | 1.2000e-004        | 0.0195        | 5.1500e-003        | 1.1000e-004        | 5.2600e-003        | 0.0000        | 14.6908        | 14.6908        | 3.0000e-004        | 0.0000        | 14.6984        |
| <b>Total</b> | <b>7.2200e-003</b> | <b>4.4700e-003</b> | <b>0.0480</b> | <b>1.6000e-004</b> | <b>0.0194</b> | <b>1.2000e-004</b> | <b>0.0195</b> | <b>5.1500e-003</b> | <b>1.1000e-004</b> | <b>5.2600e-003</b> | <b>0.0000</b> | <b>14.6908</b> | <b>14.6908</b> | <b>3.0000e-004</b> | <b>0.0000</b> | <b>14.6984</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 | 4.4705        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.4500e-003   | 9.7500e-003        | 0.0145        | 2.0000e-005        |               | 4.9000e-004        | 4.9000e-004        |                | 4.9000e-004        | 4.9000e-004        | 0.0000        | 2.0426        | 2.0426        | 1.2000e-004        | 0.0000        | 2.0455        |
| <b>Total</b>    | <b>4.4719</b> | <b>9.7500e-003</b> | <b>0.0145</b> | <b>2.0000e-005</b> |               | <b>4.9000e-004</b> | <b>4.9000e-004</b> |                | <b>4.9000e-004</b> | <b>4.9000e-004</b> | <b>0.0000</b> | <b>2.0426</b> | <b>2.0426</b> | <b>1.2000e-004</b> | <b>0.0000</b> | <b>2.0455</b> |

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**3.7 Architectural Coating - 2024****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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       | 7.2200e-003        | 4.4700e-003        | 0.0480        | 1.6000e-004        | 0.0194        | 1.2000e-004        | 0.0195        | 5.1500e-003        | 1.1000e-004        | 5.2600e-003        | 0.0000        | 14.6908        | 14.6908        | 3.0000e-004        | 0.0000        | 14.6984        |
| <b>Total</b> | <b>7.2200e-003</b> | <b>4.4700e-003</b> | <b>0.0480</b> | <b>1.6000e-004</b> | <b>0.0194</b> | <b>1.2000e-004</b> | <b>0.0195</b> | <b>5.1500e-003</b> | <b>1.1000e-004</b> | <b>5.2600e-003</b> | <b>0.0000</b> | <b>14.6908</b> | <b>14.6908</b> | <b>3.0000e-004</b> | <b>0.0000</b> | <b>14.6984</b> |

**3.7 Architectural Coating - 2025****Unmitigated Construction On-Site**

|                 | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 | 3.9116        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.2000e-003   | 8.0200e-003        | 0.0127        | 2.0000e-005        |               | 3.6000e-004        | 3.6000e-004        |                | 3.6000e-004        | 3.6000e-004        | 0.0000        | 1.7873        | 1.7873        | 1.0000e-004        | 0.0000        | 1.7897        |
| <b>Total</b>    | <b>3.9128</b> | <b>8.0200e-003</b> | <b>0.0127</b> | <b>2.0000e-005</b> |               | <b>3.6000e-004</b> | <b>3.6000e-004</b> |                | <b>3.6000e-004</b> | <b>3.6000e-004</b> | <b>0.0000</b> | <b>1.7873</b> | <b>1.7873</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>1.7897</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.7 Architectural Coating - 2025****Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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       | 5.9300e-003        | 3.5400e-003        | 0.0387        | 1.4000e-004        | 0.0170        | 1.0000e-004        | 0.0171        | 4.5100e-003        | 9.0000e-005        | 4.6000e-003        | 0.0000        | 12.3459        | 12.3459        | 2.4000e-004        | 0.0000        | 12.3518        |
| <b>Total</b> | <b>5.9300e-003</b> | <b>3.5400e-003</b> | <b>0.0387</b> | <b>1.4000e-004</b> | <b>0.0170</b> | <b>1.0000e-004</b> | <b>0.0171</b> | <b>4.5100e-003</b> | <b>9.0000e-005</b> | <b>4.6000e-003</b> | <b>0.0000</b> | <b>12.3459</b> | <b>12.3459</b> | <b>2.4000e-004</b> | <b>0.0000</b> | <b>12.3518</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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 | 3.9116        |                    |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.2000e-003   | 8.0200e-003        | 0.0127        | 2.0000e-005        |               | 3.6000e-004        | 3.6000e-004        |                | 3.6000e-004        | 3.6000e-004        | 0.0000        | 1.7873        | 1.7873        | 1.0000e-004        | 0.0000        | 1.7897        |
| <b>Total</b>    | <b>3.9128</b> | <b>8.0200e-003</b> | <b>0.0127</b> | <b>2.0000e-005</b> |               | <b>3.6000e-004</b> | <b>3.6000e-004</b> |                | <b>3.6000e-004</b> | <b>3.6000e-004</b> | <b>0.0000</b> | <b>1.7873</b> | <b>1.7873</b> | <b>1.0000e-004</b> | <b>0.0000</b> | <b>1.7897</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**3.7 Architectural Coating - 2025****Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 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       | 5.9300e-003        | 3.5400e-003        | 0.0387        | 1.4000e-004        | 0.0170        | 1.0000e-004        | 0.0171        | 4.5100e-003        | 9.0000e-005        | 4.6000e-003        | 0.0000        | 12.3459        | 12.3459        | 2.4000e-004        | 0.0000        | 12.3518        |
| <b>Total</b> | <b>5.9300e-003</b> | <b>3.5400e-003</b> | <b>0.0387</b> | <b>1.4000e-004</b> | <b>0.0170</b> | <b>1.0000e-004</b> | <b>0.0171</b> | <b>4.5100e-003</b> | <b>9.0000e-005</b> | <b>4.6000e-003</b> | <b>0.0000</b> | <b>12.3459</b> | <b>12.3459</b> | <b>2.4000e-004</b> | <b>0.0000</b> | <b>12.3518</b> |

**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

Improve Destination Accessibility

Improve Pedestrian Network

Implement Trip Reduction Program

Employee Vanpool/Shuttle

## Mariposa Industrial Park - San Joaquin County, Annual

|             | ROG     | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 2.8449  | 20.9490 | 32.7617 | 0.2029 | 13.9462       | 0.1882       | 14.1344    | 3.7642         | 0.1784        | 3.9425      | 0.0000   | 18,897.04<br>61 | 18,897.04<br>61 | 0.6814 | 0.0000 | 18,914.08<br>19 |
| Unmitigated | 3.0410  | 23.4291 | 36.7661 | 0.2305 | 16.1178       | 0.2163       | 16.3341    | 4.3503         | 0.2051        | 4.5554      | 0.0000   | 21,470.64<br>20 | 21,470.64<br>20 | 0.7284 | 0.0000 | 21,488.85<br>09 |

## 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |          | Unmitigated | Mitigated  |
|----------------------------------|-------------------------|----------|----------|-------------|------------|
|                                  | Weekday                 | Saturday | Sunday   | Annual VMT  | Annual VMT |
| Unrefrigerated Warehouse-No Rail | 12,369.70               | 6,076.34 | 6,076.34 | 42,192,202  | 36,507,600 |
| Total                            | 12,369.70               | 6,076.34 | 6,076.34 | 42,192,202  | 36,507,600 |

## 4.3 Trip Type Information

| Land Use                         | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|----------------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|                                  | 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 |
| Unrefrigerated Warehouse-No Rail | 9.50       | 7.30       | 15.00       | 59.00      | 0.00       | 41.00       | 92             | 5        | 3       |

## 4.4 Fleet Mix

| Land Use                         | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Unrefrigerated Warehouse-No Rail | 0.483580 | 0.043245 | 0.188169 | 0.107110 | 0.003644 | 0.004172 | 0.054876 | 0.106665 | 0.001183 | 0.001302 | 0.004809 | 0.000595 | 0.000651 |

## 5.0 Energy Detail

## Mariposa Industrial Park - San Joaquin County, Annual

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   | 4,840.0692 | 4,840.0692 | 0.2189 | 0.0453 | 4,859.0340 |
| Electricity Unmitigated |         |        |        |             |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 4,840.0692 | 4,840.0692 | 0.2189 | 0.0453 | 4,859.0340 |
| NaturalGas Mitigated    | 0.1192  | 1.0833 | 0.9100 | 6.5000e-003 |               | 0.0823       | 0.0823     |                | 0.0823        | 0.0823      | 0.0000   | 1,179.2908 | 1,179.2908 | 0.0226 | 0.0216 | 1,186.2988 |
| NaturalGas Unmitigated  | 0.1192  | 1.0833 | 0.9100 | 6.5000e-003 |               | 0.0823       | 0.0823     |                | 0.0823        | 0.0823      | 0.0000   | 1,179.2908 | 1,179.2908 | 0.0226 | 0.0216 | 1,186.2988 |

## Mariposa Industrial Park - San Joaquin County, Annual

**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         |                   |                   |               |               |                   |
| Unrefrigerated Warehouse-No Rail | 2.20991e+007   | 0.1192        | 1.0833        | 0.9100        | 6.5000e-003        |               | 0.0823        | 0.0823        |                | 0.0823        | 0.0823        | 0.0000        | 1,179.2908        | 1,179.2908        | 0.0226        | 0.0216        | 1,186.2988        |
| <b>Total</b>                     |                | <b>0.1192</b> | <b>1.0833</b> | <b>0.9100</b> | <b>6.5000e-003</b> |               | <b>0.0823</b> | <b>0.0823</b> |                | <b>0.0823</b> | <b>0.0823</b> | <b>0.0000</b> | <b>1,179.2908</b> | <b>1,179.2908</b> | <b>0.0226</b> | <b>0.0216</b> | <b>1,186.2988</b> |

**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         |                   |                   |               |               |                   |
| Unrefrigerated Warehouse-No Rail | 2.20991e+007   | 0.1192        | 1.0833        | 0.9100        | 6.5000e-003        |               | 0.0823        | 0.0823        |                | 0.0823        | 0.0823        | 0.0000        | 1,179.2908        | 1,179.2908        | 0.0226        | 0.0216        | 1,186.2988        |
| <b>Total</b>                     |                | <b>0.1192</b> | <b>1.0833</b> | <b>0.9100</b> | <b>6.5000e-003</b> |               | <b>0.0823</b> | <b>0.0823</b> |                | <b>0.0823</b> | <b>0.0823</b> | <b>0.0000</b> | <b>1,179.2908</b> | <b>1,179.2908</b> | <b>0.0226</b> | <b>0.0216</b> | <b>1,186.2988</b> |

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**5.3 Energy by Land Use - Electricity****Unmitigated**

|                                  | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|----------------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use                         | kWh/yr          | MT/yr             |               |               |                   |
| Unrefrigerated Warehouse-No Rail | 1.66376e+007    | 4,840.0692        | 0.2189        | 0.0453        | 4,859.0340        |
| <b>Total</b>                     |                 | <b>4,840.0692</b> | <b>0.2189</b> | <b>0.0453</b> | <b>4,859.0340</b> |

**Mitigated**

|                                  | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|----------------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use                         | kWh/yr          | MT/yr             |               |               |                   |
| Unrefrigerated Warehouse-No Rail | 1.66376e+007    | 4,840.0692        | 0.2189        | 0.0453        | 4,859.0340        |
| <b>Total</b>                     |                 | <b>4,840.0692</b> | <b>0.2189</b> | <b>0.0453</b> | <b>4,859.0340</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

## Mariposa Industrial Park - San Joaquin County, Annual

|             | ROG     | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 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   | 5.7919  | 3.0000e-004 | 0.0332 | 0.0000 |               | 1.2000e-004  | 1.2000e-004 |                | 1.2000e-004   | 1.2000e-004 | 0.0000   | 0.0646    | 0.0646    | 1.7000e-004 | 0.0000 | 0.0688 |
| Unmitigated | 5.7919  | 3.0000e-004 | 0.0332 | 0.0000 |               | 1.2000e-004  | 1.2000e-004 |                | 1.2000e-004   | 1.2000e-004 | 0.0000   | 0.0646    | 0.0646    | 1.7000e-004 | 0.0000 | 0.0688 |

## 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 | 0.8382        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Consumer Products     | 4.9506        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Landscaping           | 3.0500e-003   | 3.0000e-004        | 0.0332        | 0.0000        |               | 1.2000e-004        | 1.2000e-004        |                | 1.2000e-004        | 1.2000e-004        | 0.0000        | 0.0646        | 0.0646        | 1.7000e-004        | 0.0000        | 0.0688        |
| <b>Total</b>          | <b>5.7919</b> | <b>3.0000e-004</b> | <b>0.0332</b> | <b>0.0000</b> |               | <b>1.2000e-004</b> | <b>1.2000e-004</b> |                | <b>1.2000e-004</b> | <b>1.2000e-004</b> | <b>0.0000</b> | <b>0.0646</b> | <b>0.0646</b> | <b>1.7000e-004</b> | <b>0.0000</b> | <b>0.0688</b> |

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**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 | 0.8382        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Consumer Products     | 4.9506        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Landscaping           | 3.0500e-003   | 3.0000e-004        | 0.0332        | 0.0000        |               | 1.2000e-004        | 1.2000e-004        |                | 1.2000e-004        | 1.2000e-004        | 0.0000        | 0.0646        | 0.0646        | 1.7000e-004        | 0.0000        | 0.0688        |
| <b>Total</b>          | <b>5.7919</b> | <b>3.0000e-004</b> | <b>0.0332</b> | <b>0.0000</b> |               | <b>1.2000e-004</b> | <b>1.2000e-004</b> |                | <b>1.2000e-004</b> | <b>1.2000e-004</b> | <b>0.0000</b> | <b>0.0646</b> | <b>0.0646</b> | <b>1.7000e-004</b> | <b>0.0000</b> | <b>0.0688</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

## Mariposa Industrial Park - San Joaquin County, Annual

|             | Total CO2      | CH4     | N2O    | CO2e           |
|-------------|----------------|---------|--------|----------------|
| Category    | MT/yr          |         |        |                |
| Mitigated   | 1,265.559<br>2 | 21.8509 | 0.5247 | 1,968.186<br>5 |
| Unmitigated | 1,581.949<br>0 | 27.3137 | 0.6559 | 2,460.233<br>2 |

## 7.2 Water by Land Use

Unmitigated

|                                  | Indoor/Outdoor Use | Total CO2              | CH4            | N2O           | CO2e                   |
|----------------------------------|--------------------|------------------------|----------------|---------------|------------------------|
| Land Use                         | Mgal               | MT/yr                  |                |               |                        |
| Unrefrigerated Warehouse-No Rail | 836.401 /<br>0     | 1,581.949<br>0         | 27.3137        | 0.6559        | 2,460.233<br>2         |
| <b>Total</b>                     |                    | <b>1,581.949<br/>0</b> | <b>27.3137</b> | <b>0.6559</b> | <b>2,460.233<br/>2</b> |

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**7.2 Water by Land Use****Mitigated**

|                                  | Indoor/Outdoor Use | Total CO2          | CH4            | N2O           | CO2e               |
|----------------------------------|--------------------|--------------------|----------------|---------------|--------------------|
| Land Use                         | Mgal               | MT/yr              |                |               |                    |
| Unrefrigerated Warehouse-No Rail | 669.121 / 0        | 1,265.559 2        | 21.8509        | 0.5247        | 1,968.186 5        |
| <b>Total</b>                     |                    | <b>1,265.559 2</b> | <b>21.8509</b> | <b>0.5247</b> | <b>1,968.186 5</b> |

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

## Mariposa Industrial Park - San Joaquin County, Annual

**Category/Year**

|             | Total CO2 | CH4     | N2O    | CO2e       |
|-------------|-----------|---------|--------|------------|
|             | MT/yr     |         |        |            |
| Mitigated   | 172.5352  | 10.1965 | 0.0000 | 427.4487   |
| Unmitigated | 690.1409  | 40.7862 | 0.0000 | 1,709.7948 |

**8.2 Waste by Land Use****Unmitigated**

|                                  | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e              |
|----------------------------------|----------------|-----------------|----------------|---------------|-------------------|
| Land Use                         | tons           | MT/yr           |                |               |                   |
| Unrefrigerated Warehouse-No Rail | 3399.86        | 690.1409        | 40.7862        | 0.0000        | 1,709.7948        |
| <b>Total</b>                     |                | <b>690.1409</b> | <b>40.7862</b> | <b>0.0000</b> | <b>1,709.7948</b> |

## Mariposa Industrial Park - San Joaquin County, Annual

**8.2 Waste by Land Use****Mitigated**

|                                  | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e            |
|----------------------------------|----------------|-----------------|----------------|---------------|-----------------|
| Land Use                         | tons           | MT/yr           |                |               |                 |
| Unrefrigerated Warehouse-No Rail | 849.965        | 172.5352        | 10.1965        | 0.0000        | 427.4487        |
| <b>Total</b>                     |                | <b>172.5352</b> | <b>10.1965</b> | <b>0.0000</b> | <b>427.4487</b> |

**9.0 Operational Offroad**

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
| Forklifts      | 42     | 8.00      | 260       | 17          | 0.20        | Diesel    |

**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 |
|----------------|--------|
|----------------|--------|

## Mariposa Industrial Park - San Joaquin County, Annual

**11.0 Vegetation**

|             | Total CO2 | CH4    | N2O    | CO2e      |
|-------------|-----------|--------|--------|-----------|
| Category    | MT        |        |        |           |
| Unmitigated | -961.0000 | 0.0000 | 0.0000 | -961.0000 |

**11.1 Vegetation Land Change****Vegetation Type**

|              | Initial/Final | Total CO2        | CH4           | N2O           | CO2e             |
|--------------|---------------|------------------|---------------|---------------|------------------|
|              | Acres         | MT               |               |               |                  |
| Cropland     | 155 / 0       | -961.0000        | 0.0000        | 0.0000        | -961.0000        |
| <b>Total</b> |               | <b>-961.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>-961.0000</b> |

## APPENDIX B

### Detailed Emission Calculations

**Table B-1**  
**Calculation of On-Site DPM Emissions**

| <b>IDLING EMISSIONS</b>                     | <b>Units</b>               |              |
|---------------------------------------------|----------------------------|--------------|
| Daily Vehicles                              |                            | 10,572       |
| % Trucks                                    |                            | 25%          |
| HD Trucks Count                             | <i>(trucks/day)</i>        | 2,643        |
| Truck Idling                                |                            |              |
| Idle rate/truck                             | <i>(min/truck)</i>         | 15           |
| Idle rate all trucks                        | <i>(min/day)</i>           | 39,643       |
| Idle time/day all trucks                    | <i>(hrs/day)</i>           | 661          |
| idle time/yr all trucks                     | <i>(hrs/yr)</i>            | 241165       |
| Emission Factor for Vehicle Idling (Note 1) | <i>(grams/vehicle-day)</i> | 0.027361     |
| Idling Emissions All Trucks                 | <i>(grams/yr)</i>          | 6,598.4      |
|                                             | <i>(lbs/yr)</i>            | <b>14.53</b> |

| <b>EMISSIONS FROM On-Site Truck Movement</b>       | <b>Units</b>        |              |
|----------------------------------------------------|---------------------|--------------|
| Daily Truck Volume                                 | <i>(Trucks/day)</i> | 2,643        |
| Distance Travelled On-Site                         |                     |              |
| 1 Truck                                            | <i>(mile/truck)</i> | 0.10         |
| All Trucks/day                                     | <i>(miles/day)</i>  | 264.29       |
| All Trucks (per year)                              | <i>(miles/yr)</i>   | 96,466       |
| Emission Factor (EMFAC 2017 for HD Trucks CY 2022) | <i>(gram/mile)</i>  | 0.02098      |
| Emissions                                          |                     |              |
| 1 Truck (per mile)                                 | <i>(grams/mile)</i> | 0.02098      |
| All Trucks (per day)                               | <i>(grams/day)</i>  | 5.54374      |
| All Trucks (per year)                              | <i>(grams/yr)</i>   | 2023.46      |
|                                                    | <i>(lbs/yr)</i>     | <b>4.457</b> |
| TOTAL On-Site (Idling +On-Site Movement)           | <i>(lbs/yr)</i>     | <b>18.99</b> |

**Table B-2**  
**Calculation of DPM Emissions from**  
**Truck Travel within 0.25 Miles of Project**

| <b>Emissions from Trucks</b>                                                                                |                   | West Along Arch Road | South Along Newcastle Rd |
|-------------------------------------------------------------------------------------------------------------|-------------------|----------------------|--------------------------|
| Annual Vehicle Count                                                                                        | (truck trips/day) | 2,643                | 2643                     |
|                                                                                                             | (truck trips/yr)  | 964,658              | 964,658                  |
| Emission Factor for Vehicle Movement (Note 1)                                                               | (grams/mile)      | 0.0256               | 0.0256                   |
| Distance Travelled                                                                                          |                   |                      |                          |
| 1 Truck Trip                                                                                                | (mile/truck trip) | 0.25                 | 0.25                     |
| All Truck Trips                                                                                             | (total miles/yr)  | 241,165              | 241,165                  |
| Emissions of DPM                                                                                            | (grams/yr)        | 6,171                | 6,171                    |
|                                                                                                             | (lbs/yr)          | 13.59                | 13.59                    |
| <b>Notes:</b><br>1. Emissions based on EMFAC 2017 for CY 2023 aggregate speed and model years for HD Trucks |                   |                      |                          |

# Table B-3

## Calculation of Toxic Emissions from Light Duty Vehicles within 0.23 mile of Project Site

### Running Exhaust Emissions (RUNEX)

Average No. of Vehicles per Day 7,929 veh/day total  
 [Ref.CalEEMod Section 4.2 (PDF Page 66) 2,893,975 veh/yr total  
 Length of Roadway 0.25 mile  
 Annual Miles per Roadway Segment 723,494 miles/yr

| TAC           | % By Wt  | Emission Rate (Vehicle Travel) |         |         | (lbshr)  |
|---------------|----------|--------------------------------|---------|---------|----------|
|               |          | (g/mile)                       | (g/yr)  | (lb/yr) |          |
| 1,3 Butadiene | 0.242726 | 1.92E-05                       | 13.876  | 0.031   | 3.49E-06 |
| Acetaldehyde  | 0.90012  | 7.11E-05                       | 51.459  | 0.113   | 1.29E-05 |
| Benzene       | 3.890986 | 3.07E-04                       | 222.442 | 0.490   | 5.59E-05 |
| Formaldehyde  | 2.148524 | 1.70E-04                       | 122.828 | 0.271   | 3.09E-05 |
| Styrene       | 0.218529 | 1.73E-05                       | 12.493  | 0.028   | 3.14E-06 |
| Toluene       | 4.754084 | 3.76E-04                       | 271.784 | 0.599   | 6.83E-05 |
| o-Xylene      | 1.611576 | 1.27E-04                       | 92.132  | 0.203   | 2.32E-05 |
| p-Xylene      | 1.195047 | 9.44E-05                       | 68.319  | 0.150   | 1.72E-05 |
|               |          |                                |         |         |          |

#### NOTES

1. THC Emissions in Grams/mile 0.0079017 g/mile  
 [From EMFAC 2017 for CY 2026 for SJV Air Basin]
2. Speciation data (% By Wt) from "Organic Gas Speciation Profiles for Catalyzed Gasoline Powered Vehicle Stabilized Running Exhaust (Dec 12, 2013)  
 Available at: [https://ww3.arb.ca.gov/ei/speciate/profilereference/cate6running\\_og2303&04.pdf](https://ww3.arb.ca.gov/ei/speciate/profilereference/cate6running_og2303&04.pdf)

#### EMFAC2017 (v1.0.2) Emission Rates

Region Type: Air Basin

Region: SAN JOAQUIN VALLEY

Calendar Year: 2026

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HTSK and RUNLS,

Region Calendar Y Vehicle Cate Model Year Speed Fuel  
 SAN JOAQUIN VALLEY 2026 LDA Aggregated Aggregator GAS

TOG\_RUNEX  
 0.007901739

**Table B-4**  
**Summary of Emissions**

| On-Site              |          | Off-Site <sup>+</sup> |                              |  |            |
|----------------------|----------|-----------------------|------------------------------|--|------------|
| HD Truck<br>Idle,etc |          | HD Trucks             | Autos + Light<br>Duty Trucks |  |            |
| Daily Trips          | 2,643    | 2,643                 | 7,929                        |  | 10571.5971 |
| Pollutant            | (lbs/yr) |                       |                              |  |            |
| DPM                  | 14.53    | 4.46                  | 0                            |  | 18.99      |
| 1,3 Butadiene        |          |                       | 5.35                         |  | 0.03       |
| Acetaldehyde         |          |                       | 4.41                         |  | 0.11       |
| Benzene              |          |                       | 72.16                        |  | 0.49       |
| Formaldehyde         |          |                       | 20.51                        |  | 0.27       |
| Styrene              |          |                       | 0.028                        |  | 0.03       |
| Toluene              |          |                       | 0.599                        |  | 0.60       |
| o-Xylene             |          |                       | 0.203                        |  | 0.20       |
| p-Xylene             |          |                       | 0.150                        |  | 0.15       |

Note 1: These emissions are for each 1/4 mile segment shown in Figure 2-1.

Table B-4  
Summary of Emissions

## APPENDIX C

### Excerpts of AERMOD Model Reports

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 4/21/2021
** File: C:\Lakes\AERMOD View\MariposaPk\MariposaPk.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\MariposaPk\MariposaPk.isc
  MODELOPT DEFAULT CONC
  AVERTIME 1 PERIOD
  POLLUTID GENRIC
  RUNORNOT RUN
  ERRORFIL MariposaPk.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION PAREAL AREAPOLY 656686.763 4198978.136 10.060
  LOCATION ALINE1 LINE 656734.051 4199339.708 657161.646 4199170.570 10.060
** DESCRSRC Segment 1
  LOCATION ALINE2 LINE 657424.173 4199028.444 657867.605 4198789.092 10.670
** DESCRSRC Segment 2
** Source Parameters **
  SRCPARAM PAREAL 1.2543E-06 2.000 13
  AREAVERT PAREAL 656686.763 4198978.136 657179.294 4199155.875
  AREAVERT PAREAL 657406.287 4199040.238 657414.853 4198986.702
  AREAVERT PAREAL 657425.560 4198954.580 657440.550 4198943.873
  AREAVERT PAREAL 657472.672 4198941.731 657566.895 4198637.647
  AREAVERT PAREAL 657476.955 4198603.384 657564.754 4198402.088
  AREAVERT PAREAL 657648.270 4198423.503 657766.681 4198118.282
  AREAVERT PAREAL 657061.263 4197899.099
  SRCPARAM ALINE1 0.0000434943 5.000 50.000
  SRCPARAM ALINE2 0.0000396899 5.000 50.000

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
** Variable Emission Scenario: "Scenario 1"
  EMISFACT ALINE1 HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
  EMISFACT ALINE1 HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT ALINE1 HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
  EMISFACT ALINE1 HROFDY 1.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT ALINE2 HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
  EMISFACT ALINE2 HROFDY 1.0 1.0 1.0 1.0 1.0 1.0

```

```

    EMISFACT ALINE2      HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT ALINE2      HROFDY 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT PAREA1      HROFDY 0.0 0.0 0.0 0.0 1.0 1.0
    EMISFACT PAREA1      HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT PAREA1      HROFDY 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT PAREA1      HROFDY 1.0 0.0 0.0 0.0 0.0 0.0
    SRCGROUP ALINE1      ALINE1
    SRCGROUP ALINE2      ALINE2
    SRCGROUP PAREA1      PAREA1
    SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
    INCLUDED MariposaPk.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
    SURFFILE "..\0 0 0 Met Data\Stockton\Stockton_2013-2017.SFC"
    PROFFILE "..\0 0 0 Met Data\Stockton\Stockton_2013-2017.PFL"
    SURFDATA 23237 2013
    UAIRDATA 23230 2013 OAKLAND/WSO_AP
    PROFBASE 7.9 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
    RECTABLE ALLAVE 1ST
    RECTABLE 1 1ST
** Auto-Generated Plotfiles
    PLOTFILE 1 ALL 1ST MariposaPk.AD\01H1GALL.PLT 31
    PLOTFILE 1 ALINE1 1ST MariposaPk.AD\01H1G001.PLT 32
    PLOTFILE 1 ALINE2 1ST MariposaPk.AD\01H1G002.PLT 33
    PLOTFILE 1 PAREA1 1ST MariposaPk.AD\01H1G003.PLT 34
    PLOTFILE PERIOD ALL MariposaPk.AD\PE00GALL.PLT 35
    PLOTFILE PERIOD ALINE1 MariposaPk.AD\PE00G001.PLT 36
    PLOTFILE PERIOD ALINE2 MariposaPk.AD\PE00G002.PLT 37
    PLOTFILE PERIOD PAREA1 MariposaPk.AD\PE00G003.PLT 38
    SUMMFILE MariposaPk.sum
OU FINISHED

```

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 0 Informational Message(s)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 92 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 92 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

```

*** AERMOD - VERSION 19191 ***   *** C:\Lakes\AERMOD View\MariposaPk\MariposaPk.isc   ***   04/21/21
*** AERMET - VERSION 18081 ***   ***   ***   ***   00:23:56
*** MODELOPTS:   RegDFAULT  CONC  ELEV  RURAL  ADJ_U*   ***   PAGE 1

```

---

```

***   MODEL SETUP OPTIONS SUMMARY   ***
- - - - -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION.  DRYDPLT = F
**Model Uses NO WET DEPLETION.  WETDPLT = F

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:
  1. Stack-tip Downwash.
  2. Model Accounts for ELEVated Terrain Effects.
  3. Use Calms Processing Routine.
  4. Use Missing Data Processing Routine.
  5. No Exponential Decay.

**Other Options Specified:
  ADJ_U* - Use ADJ_U* option for SBL in AERMET
  CCVR_Sub - Meteorological data includes CCVR substitutions
  TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  GENRIC

**Model Calculates 1 Short Term Average(s) of:  1-HR
  and Calculates PERIOD Averages

**This Run Includes:      3 Source(s);      4 Source Group(s); and      2503 Receptor(s)

  with:      0 POINT(s), including
             0 POINTCAP(s) and      0 POINTHOR(s)
  and:      0 VOLUME source(s)
  and:      1 AREA type source(s)
  and:      2 LINE source(s)
  and:      0 RLINE/RLINEXT source(s)
  and:      0 OPENPIT source(s)
  and:      0 BUOYANT LINE source(s) with      0 line(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:
  Model Outputs Tables of PERIOD Averages by Receptor
  Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
  Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
  Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing Hours  
b for Both Calm and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 7.90 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 4.1 MB of RAM.

\*\*Input Runstream File: aermod.inp  
\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: MariposaPk.err  
\*\*File for Summary of Results: MariposaPk.sum

\*\*\* AERMOD - VERSION 19191 \*\*\* \*\*\* C:\Lakes\AERMOD View\MariposaPk\MariposaPk.isc

\*\*\* AERMET - VERSION 18081 \*\*\* \*\*\*

\*\*\* 04/21/21

\*\*\* 00:23:56

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* AREAPOLY SOURCE DATA \*\*\*

| SOURCE | NUMBER | EMISSION RATE | LOCATION OF AREA | BASE      | RELEASE  | NUMBER   | INIT.     | URBAN    | EMISSION RATE |             |
|--------|--------|---------------|------------------|-----------|----------|----------|-----------|----------|---------------|-------------|
| ID     | PART.  | (GRAMS/SEC    | X                | Y         | ELEV.    | HEIGHT   | OF VERTS. | SZ       | SOURCE        | SCALAR VARY |
|        | CATS.  | /METER**2)    | (METERS)         | (METERS)  | (METERS) | (METERS) |           | (METERS) |               | BY          |
| PAREA1 | 0      | 0.12543E-05   | 656686.8         | 4198978.1 | 10.1     | 2.00     | 13        | 0.00     | NO            | HROFDY      |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* LINE SOURCE DATA \*\*\*

| SOURCE | NUMBER | EMISSION RATE | FIRST COORD |           | SECOND COORD |           | BASE     | RELEASE  | WIDTH    | INIT.    | URBAN  | EMISSION RATE |
|--------|--------|---------------|-------------|-----------|--------------|-----------|----------|----------|----------|----------|--------|---------------|
| ID     | PART.  | (GRAMS/SEC    | X           | Y         | X            | Y         | ELEV.    | HEIGHT   | OF LINE  | SZ       | SOURCE | SCALAR VARY   |
|        | CATS.  | /METER**2)    | (METERS)    | (METERS)  | (METERS)     | (METERS)  | (METERS) | (METERS) | (METERS) | (METERS) |        | BY            |
| ALINE1 | 0      | 0.43494E-04   | 656734.1    | 4199339.7 | 657161.6     | 4199170.6 | 10.1     | 5.00     | 50.00    | 0.00     | NO     | HROFDY        |
| ALINE2 | 0      | 0.39690E-04   | 657424.2    | 4199028.4 | 657867.6     | 4198789.1 | 10.7     | 5.00     | 50.00    | 0.00     | NO     | HROFDY        |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

-----

-----

|        |        |   |        |   |        |
|--------|--------|---|--------|---|--------|
| ALINE1 | ALINE1 | , |        |   |        |
| ALINE2 | ALINE2 | , |        |   |        |
| PAREA1 | PAREA1 | , |        |   |        |
| ALL    | PAREA1 | , | ALINE1 | , | ALINE2 |

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\*\*\* 04/21/21

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY \*

| HOURL                                         | SCALAR     | HOURL | SCALAR     | HOURL | SCALAR     | HOURL | SCALAR     | HOURL | SCALAR     | HOURL | SCALAR     |
|-----------------------------------------------|------------|-------|------------|-------|------------|-------|------------|-------|------------|-------|------------|
| SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY : |            |       |            |       |            |       |            |       |            |       |            |
| 1                                             | .00000E+00 | 2     | .00000E+00 | 3     | .00000E+00 | 4     | .00000E+00 | 5     | .10000E+01 | 6     | .10000E+01 |
| 7                                             | .10000E+01 | 8     | .10000E+01 | 9     | .10000E+01 | 10    | .10000E+01 | 11    | .10000E+01 | 12    | .10000E+01 |
| 13                                            | .10000E+01 | 14    | .10000E+01 | 15    | .10000E+01 | 16    | .10000E+01 | 17    | .10000E+01 | 18    | .10000E+01 |
| 19                                            | .10000E+01 | 20    | .00000E+00 | 21    | .00000E+00 | 22    | .00000E+00 | 23    | .00000E+00 | 24    | .00000E+00 |
| SOURCE ID = ALINE1 ; SOURCE TYPE = LINE :     |            |       |            |       |            |       |            |       |            |       |            |
| 1                                             | .00000E+00 | 2     | .00000E+00 | 3     | .00000E+00 | 4     | .00000E+00 | 5     | .10000E+01 | 6     | .10000E+01 |
| 7                                             | .10000E+01 | 8     | .10000E+01 | 9     | .10000E+01 | 10    | .10000E+01 | 11    | .10000E+01 | 12    | .10000E+01 |
| 13                                            | .10000E+01 | 14    | .10000E+01 | 15    | .10000E+01 | 16    | .10000E+01 | 17    | .10000E+01 | 18    | .10000E+01 |
| 19                                            | .10000E+01 | 20    | .00000E+00 | 21    | .00000E+00 | 22    | .00000E+00 | 23    | .00000E+00 | 24    | .00000E+00 |
| SOURCE ID = ALINE2 ; SOURCE TYPE = LINE :     |            |       |            |       |            |       |            |       |            |       |            |
| 1                                             | .00000E+00 | 2     | .00000E+00 | 3     | .00000E+00 | 4     | .00000E+00 | 5     | .10000E+01 | 6     | .10000E+01 |
| 7                                             | .10000E+01 | 8     | .10000E+01 | 9     | .10000E+01 | 10    | .10000E+01 | 11    | .10000E+01 | 12    | .10000E+01 |
| 13                                            | .10000E+01 | 14    | .10000E+01 | 15    | .10000E+01 | 16    | .10000E+01 | 17    | .10000E+01 | 18    | .10000E+01 |
| 19                                            | .10000E+01 | 20    | .00000E+00 | 21    | .00000E+00 | 22    | .00000E+00 | 23    | .00000E+00 | 24    | .00000E+00 |

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\*\*\* AERMET - VERSION 18081 \*\*\* \*\*\*

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04/21/21

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* GRIDDED RECEPTOR NETWORK SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID \*\*\*

(METERS)

|           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 655333.2, | 655408.2, | 655483.2, | 655558.2, | 655633.2, | 655708.2, | 655783.2, | 655858.2, | 655933.2, | 656008.2, |
| 656083.2, | 656158.2, | 656233.2, | 656308.2, | 656383.2, | 656458.2, | 656533.2, | 656608.2, | 656683.2, | 656758.2, |
| 656833.2, | 656908.2, | 656983.2, | 657058.2, | 657133.2, | 657208.2, | 657283.2, | 657358.2, | 657433.2, | 657508.2, |
| 657583.2, | 657658.2, | 657733.2, | 657808.2, | 657883.2, | 657958.2, | 658033.2, | 658108.2, | 658183.2, | 658258.2, |
| 658333.2, | 658408.2, | 658483.2, | 658558.2, | 658633.2, | 658708.2, | 658783.2, | 658858.2, | 658933.2, | 659008.2, |

\*\*\* Y-COORDINATES OF GRID \*\*\*

(METERS)

|            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 4197638.4, | 4197688.4, | 4197738.4, | 4197788.4, | 4197838.4, | 4197888.4, | 4197938.4, | 4197988.4, | 4198038.4, | 4198088.4, |
| 4198138.4, | 4198188.4, | 4198238.4, | 4198288.4, | 4198338.4, | 4198388.4, | 4198438.4, | 4198488.4, | 4198538.4, | 4198588.4, |
| 4198638.4, | 4198688.4, | 4198738.4, | 4198788.4, | 4198838.4, | 4198888.4, | 4198938.4, | 4198988.4, | 4199038.4, | 4199088.4, |
| 4199138.4, | 4199188.4, | 4199238.4, | 4199288.4, | 4199338.4, | 4199388.4, | 4199438.4, | 4199488.4, | 4199538.4, | 4199588.4, |
| 4199638.4, | 4199688.4, | 4199738.4, | 4199788.4, | 4199838.4, | 4199888.4, | 4199938.4, | 4199988.4, | 4200038.4, | 4200088.4, |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 655333.25 | 655408.25 | 655483.25 | 655558.25 | 655633.25 | 655708.25 | 655783.25 | 655858.25 | 655933.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 8.80      | 8.70      | 8.80      | 9.10      | 9.10      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4200038.43          | 8.80      | 8.60      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      |
| 4199988.43          | 8.80      | 8.50      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199938.43          | 8.60      | 8.50      | 8.60      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4199888.43          | 8.60      | 8.20      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199838.43          | 8.40      | 8.00      | 8.10      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199788.43          | 8.10      | 7.80      | 7.70      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199738.43          | 7.90      | 7.60      | 7.70      | 8.60      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199688.43          | 7.60      | 7.60      | 7.80      | 8.30      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199638.43          | 7.70      | 7.80      | 8.00      | 8.30      | 8.70      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4199588.43          | 8.10      | 8.00      | 8.20      | 8.50      | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199538.43          | 8.60      | 8.20      | 8.40      | 8.50      | 8.50      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199488.43          | 8.90      | 8.50      | 8.50      | 8.50      | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199438.43          | 9.10      | 8.80      | 8.60      | 8.60      | 8.80      | 8.80      | 9.00      | 9.10      | 9.10      |
| 4199388.43          | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      |
| 4199338.43          | 9.10      | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4199288.43          | 9.10      | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4199238.43          | 9.10      | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      |
| 4199188.43          | 9.10      | 9.00      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      |
| 4199138.43          | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      |
| 4199088.43          | 8.60      | 8.60      | 8.60      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      |
| 4199038.43          | 8.50      | 8.50      | 8.50      | 8.80      | 8.80      | 8.80      | 9.00      | 9.00      | 9.10      |
| 4198988.43          | 8.50      | 8.50      | 8.60      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4198938.43          | 8.50      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198888.43          | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198838.43          | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198788.43          | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198738.43          | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198688.43          | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198638.43          | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198588.43          | 8.50      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198538.43          | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198488.43          | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198438.43          | 8.50      | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198388.43          | 8.50      | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198338.43          | 8.50      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198288.43          | 8.50      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198238.43          | 8.50      | 8.50      | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198188.43          | 8.50      | 8.50      | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198138.43          | 8.30      | 8.50      | 8.60      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      | 9.10      |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 655333.25 | 655408.25 | 655483.25 | 655558.25 | 655633.25 | 655708.25 | 655783.25 | 655858.25 | 655933.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4198088.43          | 8.20      | 8.50      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198038.43          | 8.20      | 8.50      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4197988.43          | 8.20      | 8.30      | 8.50      | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4197938.43          | 8.20      | 8.20      | 8.50      | 8.50      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4197888.43          | 8.00      | 8.20      | 8.20      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4197838.43          | 7.90      | 8.10      | 8.20      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4197788.43          | 7.60      | 7.90      | 8.20      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4197738.43          | 7.60      | 7.60      | 8.10      | 8.50      | 8.60      | 8.80      | 9.00      | 9.10      | 9.10      |
| 4197688.43          | 7.60      | 7.60      | 8.00      | 8.50      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4197638.43          | 7.90      | 7.90      | 8.20      | 8.50      | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 656008.25 | 656083.25 | 656158.25 | 656233.25 | 656308.25 | 656383.25 | 656458.25 | 656533.25 | 656608.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 9.10      | 9.40      | 9.50      | 10.00     | 10.50     | 10.70     | 9.30      | 9.10      | 9.20      |
| 4200038.43          | 9.10      | 9.40      | 9.40      | 9.40      | 9.70      | 10.00     | 9.50      | 9.10      | 9.10      |
| 4199988.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.30      | 10.70     | 9.80      | 9.10      |
| 4199938.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.70      | 10.40     | 10.70     | 10.20     |
| 4199888.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.70      | 10.30     | 10.60     | 10.70     |
| 4199838.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.70      | 10.10     | 10.40     | 10.70     |
| 4199788.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.50      | 9.80      | 10.10     | 10.30     | 10.40     |
| 4199738.43          | 9.10      | 9.20      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     | 10.10     | 10.40     |
| 4199688.43          | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      | 10.10     | 10.40     |
| 4199638.43          | 9.30      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      | 10.10     | 10.10     |
| 4199588.43          | 9.40      | 9.40      | 9.40      | 9.40      | 9.50      | 9.70      | 9.80      | 10.10     | 10.10     |
| 4199538.43          | 9.40      | 9.40      | 9.40      | 9.40      | 9.40      | 9.70      | 9.80      | 10.10     | 10.10     |
| 4199488.43          | 9.20      | 9.30      | 9.30      | 9.30      | 9.30      | 9.50      | 9.80      | 10.10     | 10.10     |
| 4199438.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.40      | 9.80      | 10.00     | 10.10     |
| 4199388.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.40      | 9.80      | 10.00     | 10.10     |
| 4199338.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199288.43          | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199238.43          | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199188.43          | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199138.43          | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4199088.43          | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4199038.43          | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198988.43          | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198938.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198888.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198838.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198788.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198738.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198688.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.70      | 9.80      | 9.80      |
| 4198638.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198588.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198538.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198488.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198438.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198388.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198338.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198288.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      |
| 4198238.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.40      | 9.70      | 9.80      |
| 4198188.43          | 9.10      | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.70      | 9.80      |
| 4198138.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      |

\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

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*** NETWORK ID: UCART1      ; NETWORK TYPE: GRIDCART ***
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\* ELEVATION HEIGHTS IN METERS \*

[illegible]

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 656683.25 | 656758.25 | 656833.25 | 656908.25 | 656983.25 | 657058.25 | 657133.25 | 657208.25 | 657283.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 9.30      | 9.30      | 9.30      | 9.60      | 10.00     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4200038.43          | 9.10      | 9.10      | 9.10      | 9.20      | 10.00     | 10.40     | 10.40     | 10.40     | 10.60     |
| 4199988.43          | 9.10      | 9.10      | 9.10      | 9.20      | 10.00     | 10.40     | 10.40     | 10.40     | 10.50     |
| 4199938.43          | 9.70      | 9.60      | 9.40      | 9.60      | 10.00     | 10.40     | 10.40     | 10.60     | 10.70     |
| 4199888.43          | 10.40     | 10.10     | 9.80      | 9.80      | 10.10     | 10.40     | 10.50     | 10.70     | 10.70     |
| 4199838.43          | 10.70     | 10.40     | 10.20     | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4199788.43          | 10.70     | 10.70     | 10.40     | 10.30     | 10.20     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4199738.43          | 10.50     | 10.70     | 10.70     | 10.40     | 10.40     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4199688.43          | 10.40     | 10.40     | 10.70     | 10.70     | 10.60     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4199638.43          | 10.40     | 10.40     | 10.60     | 10.70     | 10.70     | 10.50     | 10.40     | 10.40     | 10.70     |
| 4199588.43          | 10.30     | 10.40     | 10.40     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4199538.43          | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4199488.43          | 10.10     | 10.20     | 10.40     | 10.40     | 10.50     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4199438.43          | 10.10     | 10.10     | 10.30     | 10.40     | 10.40     | 10.60     | 10.70     | 10.70     | 10.70     |
| 4199388.43          | 10.10     | 10.10     | 10.30     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     | 10.70     |
| 4199338.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.60     | 10.70     | 10.70     |
| 4199288.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     | 10.70     |
| 4199238.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.60     | 10.70     | 10.70     | 10.70     |
| 4199188.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.60     | 10.70     | 10.70     | 10.70     |
| 4199138.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4199088.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     | 10.70     |
| 4199038.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.60     | 10.70     | 10.70     |
| 4198988.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4198938.43          | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4198888.43          | 10.10     | 10.10     | 10.10     | 10.20     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4198838.43          | 10.10     | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4198788.43          | 10.10     | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4198738.43          | 10.00     | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     | 10.70     |
| 4198688.43          | 10.00     | 10.10     | 10.10     | 10.10     | 10.30     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198638.43          | 9.80      | 10.10     | 10.10     | 10.10     | 10.30     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198588.43          | 9.80      | 10.10     | 10.10     | 10.10     | 10.30     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198538.43          | 9.80      | 10.10     | 10.10     | 10.10     | 10.30     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198488.43          | 9.80      | 10.10     | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198438.43          | 9.80      | 9.90      | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198388.43          | 9.80      | 9.80      | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198338.43          | 9.80      | 9.80      | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198288.43          | 9.80      | 9.80      | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198238.43          | 9.80      | 9.80      | 10.00     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198188.43          | 9.80      | 9.80      | 10.00     | 10.10     | 10.10     | 10.40     | 10.40     | 10.40     | 10.70     |
| 4198138.43          | 9.80      | 9.80      | 10.00     | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 656683.25 | 656758.25 | 656833.25 | 656908.25 | 656983.25 | 657058.25 | 657133.25 | 657208.25 | 657283.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4198088.43          | 9.80      | 9.80      | 9.90      | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     |
| 4198038.43          | 9.80      | 9.80      | 9.80      | 10.10     | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     |
| 4197988.43          | 9.80      | 9.80      | 9.80      | 9.90      | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     |
| 4197938.43          | 9.40      | 9.70      | 9.80      | 9.80      | 10.10     | 10.10     | 10.40     | 10.40     | 10.70     |
| 4197888.43          | 9.40      | 9.40      | 9.50      | 9.80      | 10.00     | 10.10     | 10.40     | 10.40     | 10.60     |
| 4197838.43          | 9.40      | 9.40      | 9.40      | 9.60      | 9.80      | 10.10     | 10.10     | 10.40     | 10.50     |
| 4197788.43          | 9.40      | 9.10      | 9.10      | 9.40      | 9.80      | 10.10     | 10.10     | 10.40     | 10.40     |
| 4197738.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.80      | 10.10     | 10.10     | 10.10     | 10.40     |
| 4197688.43          | 9.10      | 9.10      | 9.30      | 9.40      | 9.80      | 9.80      | 10.10     | 10.10     | 10.40     |
| 4197638.43          | 9.10      | 9.20      | 9.40      | 9.50      | 9.80      | 9.80      | 10.10     | 10.10     | 10.40     |

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\*\*\* AERMET - VERSION 18081 \*\*\* \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 657358.25 | 657433.25 | 657508.25 | 657583.25 | 657658.25 | 657733.25 | 657808.25 | 657883.25 | 657958.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.00     | 11.20     | 11.30     |
| 4200038.43          | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     |
| 4199988.43          | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     |
| 4199938.43          | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     |
| 4199888.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.20     | 11.30     | 11.30     | 11.30     |
| 4199838.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     | 11.30     |
| 4199788.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     | 11.30     |
| 4199738.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     | 11.30     | 11.30     |
| 4199688.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     | 11.30     | 11.30     |
| 4199638.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     | 11.30     | 11.60     |
| 4199588.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     | 11.50     | 11.60     |
| 4199538.43          | 10.70     | 10.70     | 11.00     | 11.20     | 11.30     | 11.30     | 11.30     | 11.60     | 11.60     |
| 4199488.43          | 10.70     | 10.70     | 11.00     | 11.20     | 11.30     | 11.30     | 11.50     | 11.60     | 11.60     |
| 4199438.43          | 10.70     | 10.90     | 11.00     | 11.30     | 11.30     | 11.30     | 11.60     | 11.60     | 11.60     |
| 4199388.43          | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.60     | 11.60     | 11.60     | 11.60     |
| 4199338.43          | 10.70     | 10.90     | 11.00     | 11.40     | 11.60     | 11.60     | 11.60     | 11.60     | 11.60     |
| 4199288.43          | 10.70     | 10.90     | 11.30     | 11.70     | 11.70     | 11.70     | 11.60     | 11.60     | 11.70     |
| 4199238.43          | 10.70     | 10.90     | 11.30     | 12.20     | 11.90     | 11.90     | 11.90     | 11.90     | 11.90     |
| 4199188.43          | 10.70     | 10.70     | 11.10     | 12.10     | 12.20     | 11.90     | 11.90     | 11.90     | 11.90     |
| 4199138.43          | 10.70     | 10.70     | 10.70     | 11.40     | 12.10     | 12.20     | 12.20     | 12.00     | 11.90     |
| 4199088.43          | 10.70     | 10.70     | 10.70     | 11.00     | 11.20     | 12.10     | 12.20     | 12.20     | 12.20     |
| 4199038.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 11.30     | 12.00     | 12.20     | 12.20     |
| 4198988.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 11.20     | 12.20     | 12.20     |
| 4198938.43          | 10.70     | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.10     | 12.20     | 12.20     |
| 4198888.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.20     | 11.60     | 12.00     | 12.20     |
| 4198838.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.30     | 11.30     | 11.60     | 11.90     | 12.10     |
| 4198788.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.30     | 11.50     | 11.60     | 11.80     | 11.90     |
| 4198738.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.60     | 11.60     | 11.90     |
| 4198688.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.30     | 11.30     | 11.60     | 11.60     | 11.60     |
| 4198638.43          | 10.70     | 10.80     | 11.00     | 11.00     | 11.30     | 11.30     | 11.40     | 11.60     | 11.60     |
| 4198588.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.10     | 11.30     | 11.30     | 11.60     | 11.60     |
| 4198538.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     | 11.60     | 11.60     |
| 4198488.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.20     | 11.30     | 11.30     | 11.60     |
| 4198438.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.10     | 11.30     | 11.30     | 11.40     |
| 4198388.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     | 11.30     |
| 4198338.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     | 11.30     | 11.30     |
| 4198288.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     | 11.10     | 11.30     |
| 4198238.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     |
| 4198188.43          | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     |
| 4198138.43          | 10.70     | 10.70     | 10.70     | 10.80     | 10.80     | 10.80     | 10.80     | 10.80     | 10.70     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 657358.25 | 657433.25 | 657508.25 | 657583.25 | 657658.25 | 657733.25 | 657808.25 | 657883.25 | 657958.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4198088.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4198038.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4197988.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4197938.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4197888.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     |
| 4197838.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.80     | 10.90     |
| 4197788.43          | 10.60     | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 10.80     | 11.00     | 11.00     |
| 4197738.43          | 10.40     | 10.70     | 10.70     | 10.70     | 10.90     | 11.00     | 11.00     | 11.00     | 11.00     |
| 4197688.43          | 10.40     | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     |
| 4197638.43          | 10.40     | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.00     | 11.00     | 11.00     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 658033.25 | 658108.25 | 658183.25 | 658258.25 | 658333.25 | 658408.25 | 658483.25 | 658558.25 | 658633.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 11.30     | 11.30     | 11.60     | 11.60     | 11.90     | 11.90     | 12.00     | 12.20     | 12.20     |
| 4200038.43          | 11.30     | 11.60     | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199988.43          | 11.30     | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199938.43          | 11.30     | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199888.43          | 11.30     | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199838.43          | 11.50     | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199788.43          | 11.50     | 11.60     | 11.70     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199738.43          | 11.60     | 11.60     | 11.80     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     |
| 4199688.43          | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.10     | 12.20     | 12.20     |
| 4199638.43          | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.10     | 12.20     | 12.20     |
| 4199588.43          | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4199538.43          | 11.60     | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4199488.43          | 11.60     | 11.80     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4199438.43          | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4199388.43          | 11.60     | 11.90     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4199338.43          | 11.70     | 11.90     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4199288.43          | 11.90     | 11.90     | 11.90     | 11.90     | 11.90     | 12.00     | 12.20     | 12.20     | 12.20     |
| 4199238.43          | 11.90     | 11.90     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4199188.43          | 11.90     | 11.90     | 11.90     | 12.10     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4199138.43          | 11.90     | 11.90     | 12.10     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4199088.43          | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4199038.43          | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198988.43          | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198938.43          | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198888.43          | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198838.43          | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198788.43          | 12.10     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198738.43          | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198688.43          | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198638.43          | 11.80     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198588.43          | 11.60     | 11.90     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198538.43          | 11.60     | 11.60     | 11.90     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198488.43          | 11.60     | 11.60     | 11.80     | 11.90     | 12.10     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198438.43          | 11.60     | 11.60     | 11.60     | 11.90     | 12.00     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198388.43          | 11.40     | 11.60     | 11.60     | 11.80     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198338.43          | 11.30     | 11.60     | 11.60     | 11.60     | 11.90     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198288.43          | 11.30     | 11.30     | 11.60     | 11.60     | 11.80     | 12.20     | 12.20     | 12.20     | 12.20     |
| 4198238.43          | 11.10     | 11.30     | 11.40     | 11.60     | 11.70     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4198188.43          | 10.90     | 11.30     | 11.30     | 11.60     | 11.60     | 11.90     | 12.20     | 12.20     | 12.20     |
| 4198138.43          | 10.80     | 11.00     | 11.20     | 11.30     | 11.50     | 11.90     | 12.20     | 12.20     | 12.20     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 658033.25 | 658108.25 | 658183.25 | 658258.25 | 658333.25 | 658408.25 | 658483.25 | 658558.25 | 658633.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4198088.43          | 10.90     | 11.00     | 11.00     | 11.20     | 11.30     | 11.60     | 12.20     | 12.20     | 12.20     |
| 4198038.43          | 10.70     | 10.70     | 10.70     | 11.00     | 11.00     | 11.60     | 12.20     | 12.20     | 12.20     |
| 4197988.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.70     | 11.50     | 12.10     | 12.20     | 12.20     |
| 4197938.43          | 10.70     | 10.70     | 10.70     | 10.70     | 10.90     | 11.30     | 12.00     | 12.20     | 12.20     |
| 4197888.43          | 10.70     | 10.90     | 11.00     | 11.00     | 11.20     | 11.30     | 11.80     | 12.20     | 12.20     |
| 4197838.43          | 11.00     | 11.00     | 11.10     | 11.30     | 11.30     | 11.60     | 11.80     | 12.20     | 12.20     |
| 4197788.43          | 11.00     | 11.00     | 11.30     | 11.30     | 11.50     | 11.60     | 11.90     | 12.20     | 12.20     |
| 4197738.43          | 11.00     | 11.30     | 11.30     | 11.30     | 11.60     | 11.60     | 11.90     | 12.20     | 12.20     |
| 4197688.43          | 11.10     | 11.30     | 11.30     | 11.30     | 11.60     | 11.60     | 11.90     | 12.00     | 12.20     |
| 4197638.43          | 11.20     | 11.30     | 11.30     | 11.40     | 11.60     | 11.60     | 11.90     | 11.90     | 12.20     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 658708.25 | 658783.25 | 658858.25 | X-COORD (METERS)<br>658933.25 | 659008.25 |
|---------------------|-----------|-----------|-----------|-------------------------------|-----------|
| 4200088.43          | 12.40     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4200038.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199988.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199938.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199888.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199838.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199788.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199738.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199688.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4199638.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199588.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199538.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199488.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199438.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199388.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199338.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199288.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199238.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199188.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199138.43          | 12.50     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199088.43          | 12.50     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4199038.43          | 12.50     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4198988.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4198938.43          | 12.20     | 12.20     | 12.50     | 12.50                         | 12.50     |
| 4198888.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198838.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198788.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198738.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198688.43          | 12.20     | 12.20     | 12.20     | 12.30                         | 12.50     |
| 4198638.43          | 12.20     | 12.20     | 12.50     | 12.50                         | 12.50     |
| 4198588.43          | 12.20     | 12.20     | 12.50     | 12.50                         | 12.50     |
| 4198538.43          | 12.20     | 12.20     | 12.50     | 12.50                         | 12.50     |
| 4198488.43          | 12.20     | 12.20     | 12.50     | 12.50                         | 12.50     |
| 4198438.43          | 12.20     | 12.20     | 12.40     | 12.50                         | 12.50     |
| 4198388.43          | 12.20     | 12.20     | 12.20     | 12.50                         | 12.50     |
| 4198338.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.50     |
| 4198288.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198238.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198188.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198138.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN METERS \*

| Y-COORD<br>(METERS) | 658708.25 | 658783.25 | 658858.25 | X-COORD (METERS)<br>658933.25 | 659008.25 |
|---------------------|-----------|-----------|-----------|-------------------------------|-----------|
| 4198088.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4198038.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4197988.43          | 12.20     | 12.20     | 12.20     | 12.20                         | 12.20     |
| 4197938.43          | 12.20     | 12.20     | 12.30     | 12.30                         | 12.30     |
| 4197888.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.50     |
| 4197838.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.70     |
| 4197788.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4197738.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4197688.43          | 12.20     | 12.50     | 12.50     | 12.50                         | 12.80     |
| 4197638.43          | 12.20     | 12.40     | 12.50     | 12.50                         | 12.80     |

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\*\*\* AERMET - VERSION 18081 \*\*\*

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

| Y-COORD<br>(METERS) | 655333.25 | 655408.25 | 655483.25 | 655558.25 | 655633.25 | 655708.25 | 655783.25 | 655858.25 | 655933.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 8.80      | 8.70      | 8.80      | 9.10      | 9.10      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4200038.43          | 8.80      | 8.60      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      |
| 4199988.43          | 8.80      | 8.50      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199938.43          | 8.60      | 8.50      | 8.60      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4199888.43          | 8.60      | 8.20      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199838.43          | 8.40      | 8.00      | 8.10      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199788.43          | 8.10      | 7.80      | 7.70      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199738.43          | 7.90      | 7.60      | 7.70      | 8.60      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199688.43          | 7.60      | 7.60      | 7.80      | 8.30      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4199638.43          | 7.70      | 7.80      | 8.00      | 8.30      | 8.70      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4199588.43          | 8.10      | 8.00      | 8.20      | 8.50      | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199538.43          | 8.60      | 8.20      | 8.40      | 8.50      | 8.50      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199488.43          | 8.90      | 8.50      | 8.50      | 8.50      | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4199438.43          | 9.10      | 8.80      | 8.60      | 8.60      | 8.80      | 8.80      | 9.00      | 9.10      | 9.10      |
| 4199388.43          | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      |
| 4199338.43          | 9.10      | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4199288.43          | 9.10      | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4199238.43          | 9.10      | 9.10      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      |
| 4199188.43          | 9.10      | 9.00      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.90      | 9.10      |
| 4199138.43          | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      |
| 4199088.43          | 8.60      | 8.60      | 8.60      | 8.80      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      |
| 4199038.43          | 8.50      | 8.50      | 8.50      | 8.80      | 8.80      | 8.80      | 9.00      | 9.00      | 9.10      |
| 4198988.43          | 8.50      | 8.50      | 8.60      | 8.80      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4198938.43          | 8.50      | 8.80      | 8.80      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198888.43          | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198838.43          | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198788.43          | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198738.43          | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198688.43          | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198638.43          | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198588.43          | 8.50      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198538.43          | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198488.43          | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198438.43          | 8.50      | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198388.43          | 8.50      | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198338.43          | 8.50      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198288.43          | 8.50      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198238.43          | 8.50      | 8.50      | 8.70      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198188.43          | 8.50      | 8.50      | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198138.43          | 8.30      | 8.50      | 8.60      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      | 9.10      |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

| Y-COORD<br>(METERS) | 655333.25 | 655408.25 | 655483.25 | 655558.25 | 655633.25 | 655708.25 | 655783.25 | 655858.25 | 655933.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4198088.43          | 8.20      | 8.50      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4198038.43          | 8.20      | 8.50      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4197988.43          | 8.20      | 8.30      | 8.50      | 8.60      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4197938.43          | 8.20      | 8.20      | 8.50      | 8.50      | 8.80      | 9.10      | 9.10      | 9.10      | 9.10      |
| 4197888.43          | 8.00      | 8.20      | 8.20      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4197838.43          | 7.90      | 8.10      | 8.20      | 8.50      | 8.80      | 8.90      | 9.10      | 9.10      | 9.10      |
| 4197788.43          | 7.60      | 7.90      | 8.20      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      | 9.10      |
| 4197738.43          | 7.60      | 7.60      | 8.10      | 8.50      | 8.60      | 8.80      | 9.00      | 9.10      | 9.10      |
| 4197688.43          | 7.60      | 7.60      | 8.00      | 8.50      | 8.50      | 8.80      | 8.80      | 9.10      | 9.10      |
| 4197638.43          | 7.90      | 7.90      | 8.20      | 8.50      | 8.70      | 8.80      | 9.00      | 9.10      | 9.10      |

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV RURAL ADJ\_U\*

\*\*\* NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES IN METERS \*

| Y-COORD<br>(METERS) | 656008.25 | 656083.25 | 656158.25 | 656233.25 | 656308.25 | 656383.25 | 656458.25 | 656533.25 | 656608.25 |
|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4200088.43          | 9.10      | 9.40      | 9.50      | 10.00     | 10.50     | 10.70     | 9.30      | 9.10      | 9.20      |
| 4200038.43          | 9.10      | 9.40      | 9.40      | 9.40      | 9.70      | 10.00     | 9.50      | 9.10      | 9.10      |
| 4199988.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.30      | 10.70     | 9.80      | 9.10      |
| 4199938.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.70      | 10.40     | 10.70     | 10.20     |
| 4199888.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.70      | 10.30     | 10.60     | 10.70     |
| 4199838.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.70      | 10.10     | 10.40     | 10.70     |
| 4199788.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.50      | 9.80      | 10.10     | 10.30     | 10.40     |
| 4199738.43          | 9.10      | 9.20      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     | 10.10     | 10.40     |
| 4199688.43          | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      | 10.10     | 10.40     |
| 4199638.43          | 9.30      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      | 10.10     | 10.10     |
| 4199588.43          | 9.40      | 9.40      | 9.40      | 9.40      | 9.50      | 9.70      | 9.80      | 10.10     | 10.10     |
| 4199538.43          | 9.40      | 9.40      | 9.40      | 9.40      | 9.40      | 9.70      | 9.80      | 10.10     | 10.10     |
| 4199488.43          | 9.20      | 9.30      | 9.30      | 9.30      | 9.30      | 9.50      | 9.80      | 10.10     | 10.10     |
| 4199438.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.10      | 9.40      | 9.80      | 10.00     | 10.10     |
| 4199388.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.20      | 9.40      | 9.80      | 10.00     | 10.10     |
| 4199338.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199288.43          | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199238.43          | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199188.43          | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 10.10     |
| 4199138.43          | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4199088.43          | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4199038.43          | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198988.43          | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198938.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198888.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198838.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198788.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198738.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198688.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.70      | 9.80      | 9.80      |
| 4198638.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198588.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198538.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198488.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      | 9.80      |
| 4198438.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198388.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198338.43          | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      | 9.80      |
| 4198288.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.40      | 9.80      | 9.80      |
| 4198238.43          | 9.10      | 9.10      | 9.10      | 9.30      | 9.40      | 9.40      | 9.40      | 9.70      | 9.80      |
| 4198188.43          | 9.10      | 9.10      | 9.10      | 9.20      | 9.40      | 9.40      | 9.40      | 9.70      | 9.80      |
| 4198138.43          | 9.10      | 9.10      | 9.10      | 9.10      | 9.40      | 9.40      | 9.40      | 9.50      | 9.80      |

## APPENDIX D

### Excerpts of HARP2 Model

File Tools Help

## GLC Calc Setup

- ... PLOTFILE List (non-pollutant spec)
- ... Emission Inventory
- ... Background Concentrations
- ... Screening Adjustment Factors
- ... Calculate\Import GLCs
- ... Pathway\Spatial Avg GLCs
- ... Contour GLCs (AERPLOT.EXE)
- Post Process
  - ... Max 30-Day Rolling Ave for Pb
  - ... Daily 8-Hr Ave GLCs for 8-Hr RE
  - ... Refined Worker Period Ave for C

Air Dispersion

Import/Calc GLCs

Risk Analysis

## Emission Inventory

Add Import Export Delete All Options Filter: All

All

All

|   | SrcID  | StkID | ProID | PolID  | PolAbbrev     | Multiplier | Annual Ems<br>(lbs/yr) | Max Hr Ems<br>(lbs/hr) | MWAF |
|---|--------|-------|-------|--------|---------------|------------|------------------------|------------------------|------|
|   | ALINE1 | 0     | 0     | 106990 | 1,3-Butadiene | 1          | 0.031                  | 3.49E-06               | 1    |
|   | ALINE1 | 0     | 0     | 75070  | Acetaldehyde  | 1          | 0.113                  | 1.29E-05               | 1    |
|   | ALINE1 | 0     | 0     | 71432  | Benzene       | 1          | 0.49                   | 5.59E-05               | 1    |
|   | ALINE1 | 0     | 0     | 50000  | Formaldehyde  | 1          | 0.271                  | 3.09E-05               | 1    |
|   | ALINE1 | 0     | 0     | 9901   | DieselExhPM   | 1          | 13.05                  | 0                      | 1    |
|   | ALINE2 | 0     | 0     | 106990 | 1,3-Butadiene | 1          | 0.031                  | 3.49E-06               | 1    |
|   | ALINE2 | 0     | 0     | 75070  | Acetaldehyde  | 1          | 0.113                  | 1.29E-05               | 1    |
|   | ALINE2 | 0     | 0     | 50000  | Formaldehyde  | 1          | 0.271                  | 3.09E-05               | 1    |
|   | ALINE2 | 0     | 0     | 71432  | Benzene       | 1          | 0.49                   | 5.59E-05               | 1    |
|   | ALINE2 | 0     | 0     | 9901   | DieselExhPM   | 1          | 3.26                   | 0                      | 1    |
|   | PAREA1 | 0     | 0     | 9901   | DieselExhPM   | 1          | 2.03                   | 0                      | 1    |
|   | ALINE1 | 0     | 0     | 100425 | Styrene       | 1          | 0.028                  | 3.14E-06               | 1    |
|   | ALINE1 | 0     | 0     | 108883 | Toluene       | 1          | 0.599                  | 6.83E-05               | 1    |
|   | ALINE1 | 0     | 0     | 95476  | o-Xylene      | 1          | 0.203                  | 2.32E-05               | 1    |
|   | ALINE1 | 0     | 0     | 106423 | p-Xylene      | 1          | 0.15                   | 1.72E-05               | 1    |
|   | ALINE2 | 0     | 0     | 100425 | Styrene       | 1          | 0.028                  | 3.14E-06               | 1    |
|   | ALINE2 | 0     | 0     | 108883 | Toluene       | 1          | 0.599                  | 6.83E-05               | 1    |
|   | ALINE2 | 0     | 0     | 95476  | o-Xylene      | 1          | 0.203                  | 2.32E-05               | 1    |
| ▶ | ALINE2 | 0     | 0     | 106423 | p-Xylene      | 1          | 0.15                   | 1.72E-05               | 1    |

Count: 19

File Tools Help

- Calculate Risk
  - Select Risk Scenario
  - Select Pathways to Evaluate and Define Site Parameters
  - Press Calculate
  - View Risk Results
  - Refined Acute Analysis
  - Spatial Averaging Risk (Optional)
  - Project Summary Report

Air Dispersion

Import/Calc GLCs

Risk Analysis

## Select Pathways to Evaluate and Define Site Parameters

Pathways to Evaluate

■ Inh ■ Soil ■ Dem ■ MMilk ■ Drink Water ■ Fish ■ HG Produce ■ Beef & Dairy ■ Pig. Chick

- ☐ Inhalation Only
- ☒ Mandatory Minimum Pathways
- ☐ Worker Pathways
- ☐ User Defined

☒ Inhalation (Always On)

☐ Soil Ingestion

☐ Dermal

☐ Mother's Milk

☐ Drinking Water

☐ Fish

☐ Homegrown Produce

☐ Beef

☐ Dairy Cows

☐ Pigs

☐ Chickens

☐ Eggs

Deposition Rate (for noninhalation pathways only)

☒ 0.05 m/s (uncontrolled sources)

☐ 0.02 m/s (controlled sources)

☐ Other 

Advanced Options (Tier 2) - For noninhalation pathways only

☐ Change exposure frequency (days/year):  [What's this do?](#)
[Help me choose](#)
[Click to select SCAQMD mandatory minimum pathways](#)

- Calculate Risk
  - Select Risk Scenario
  - Select Pathways to Evaluate and
  - Press Calculate
- View Risk Results
- Refined Acute Analysis
- Spatial Averaging Risk (Optional)
- Project Summary Report

Air Dispersion

Import/Calc GLCs

Risk Analysis

## View Risk Results

Cancer Chronic 8-hour Acute

Load File Risk Views Options Export

|  | REC | GRP | NETID  | X         | Y          | RISK_SUM   | SCENARIO                          |
|--|-----|-----|--------|-----------|------------|------------|-----------------------------------|
|  | 1   | ALL | UCART1 | 655333.25 | 4197638.43 | 3.9784e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 2   | ALL | UCART1 | 655408.25 | 4197638.43 | 4.1025e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 3   | ALL | UCART1 | 655483.25 | 4197638.43 | 4.2400e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 4   | ALL | UCART1 | 655558.25 | 4197638.43 | 4.3884e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 5   | ALL | UCART1 | 655633.25 | 4197638.43 | 4.5466e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 6   | ALL | UCART1 | 655708.25 | 4197638.43 | 4.7168e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 7   | ALL | UCART1 | 655783.25 | 4197638.43 | 4.9038e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 8   | ALL | UCART1 | 655858.25 | 4197638.43 | 5.1099e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 9   | ALL | UCART1 | 655933.25 | 4197638.43 | 5.3380e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 10  | ALL | UCART1 | 656008.25 | 4197638.43 | 5.5913e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 11  | ALL | UCART1 | 656083.25 | 4197638.43 | 5.8673e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 12  | ALL | UCART1 | 656158.25 | 4197638.43 | 6.1581e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 13  | ALL | UCART1 | 656233.25 | 4197638.43 | 6.4533e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 14  | ALL | UCART1 | 656308.25 | 4197638.43 | 6.7417e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 15  | ALL | UCART1 | 656383.25 | 4197638.43 | 7.0207e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 16  | ALL | UCART1 | 656458.25 | 4197638.43 | 7.2952e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 17  | ALL | UCART1 | 656533.25 | 4197638.43 | 7.5686e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 18  | ALL | UCART1 | 656608.25 | 4197638.43 | 7.8353e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 19  | ALL | UCART1 | 656683.25 | 4197638.43 | 8.0881e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 20  | ALL | UCART1 | 656758.25 | 4197638.43 | 8.3371e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 21  | ALL | UCART1 | 656833.25 | 4197638.43 | 8.6035e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 22  | ALL | UCART1 | 656908.25 | 4197638.43 | 8.8977e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 23  | ALL | UCART1 | 656983.25 | 4197638.43 | 9.2222e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 24  | ALL | UCART1 | 657058.25 | 4197638.43 | 9.5503e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 25  | ALL | UCART1 | 657133.25 | 4197638.43 | 9.9068e-08 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 26  | ALL | UCART1 | 657208.25 | 4197638.43 | 1.0295e-07 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 27  | ALL | UCART1 | 657283.25 | 4197638.43 | 1.0674e-07 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 28  | ALL | UCART1 | 657358.25 | 4197638.43 | 1.1000e-07 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 29  | ALL | UCART1 | 657433.25 | 4197638.43 | 1.1259e-07 | 70YrCancerDerived_InhSoilDemMMilk |
|  | 30  | ALL | UCART1 | 657508.25 | 4197638.43 | 1.1463e-07 | 70YrCancerDerived_InhSoilDemMMilk |