# Appendix A:
# Air Quality and Greenhouse Gas Supporting Information

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# CalEEMod Output, Construction Health Risk Assessment Calculations, and AERMOD Modeling Output

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# Emerald Isle Unmitigated Construction and Project Operations

**Sonoma-San Francisco County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.53 | Acre | 0.53 | 0.00 | 0 |
| Other Non-Asphalt Surfaces | 1.53 | Acre | 1.53 | 0.00 | 0 |
| Parking Lot | 63.00 | Space | 0.57 | 0.00 | 0 |
| Congregate Care (Assisted Living) | 49.00 | Dwelling Unit | 1.51 | 68,144.00 | 140 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 75 |
| **Climate Zone** | 4 | | | **Operational Year** | 2019 |
| **Utility Company** | Pacific Gas & Electric Company | | | | |
| **CO2 Intensity (lb/MWhr)** | 641.35 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics - Emerald Isle Assisted Living Project - Unmitigated Construction and Project Operations

Land Use - Based on site plan and project description

Construction Phase - Adjusted based on input from the Project Applicant.
March 2018 start date, duration 12-15 months

Off-road Equipment - Equipment usage adjusted to conserve default horsepower hours

Off-road Equipment - Expected equipment for the underground utilities phase

Trips and VMT - At the peak of construction activities there would be 60 workers on-site

Grading - 29,304 cubic yards of material to be exported

Vehicle Trips - Focused Traffic Study for the Emerald Isle Assisted Living Project prepared by W-Trans on May 10, 2017
ITE Trip Generation Manual, 9th Ed (ITE Code 254)

Construction Off-road Equipment Mitigation - Compliance with BAAQMD Best Management Practices threshold for fugitive dust

Mobile Land Use Mitigation - Existing project site conditions

Energy Mitigation - 15% more efficient than 2016 Title 24

Water Mitigation - Green Building Code Standards

Waste Mitigation - Adopt a long-term waste diversion goal of a 70% diversion rate by 2015

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingValue | 0 | 100 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 0 |
| tblConstructionPhase | NumDays | 8.00 | 45.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 22.50 | 4.14 |
| tblGrading | MaterialExported | 0.00 | 29,304.00 |
| tblLandUse | BuildingSpaceSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LandUseSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LotAcreage | 3.06 | 1.51 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 5.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.70 |
| tblProjectCharacteristics | OperationalYear | 2018 | 2019 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 68.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 120.00 |
| tblVehicleTrips | ST_TR | 2.20 | 3.19 |
| tblVehicleTrips | SU_TR | 2.44 | 3.54 |
| tblVehicleTrips | WD_TR | 2.74 | 3.85 |

# 2.0 Emissions Summary

## 2.1 Overall Construction

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 0.4038 | 3.8501 | 2.6225 | 5.7100e-003 | 0.2933 | 0.1876 | 0.4809 | 0.1291 | 0.1750 | 0.3041 | 0.0000 | 523.7007 | 523.7007 | 0.0932 | 0.0000 | 526.0299 |
| 2019 | 0.6210 | 1.0139 | 1.0502 | 1.8200e-003 | 0.0493 | 0.0592 | 0.1085 | 0.0132 | 0.0556 | 0.0688 | 0.0000 | 160.9505 | 160.9505 | 0.0296 | 0.0000 | 161.6913 |
| **Maximum** | **0.6210** | **3.8501** | **2.6225** | **5.7100e-003** | **0.2933** | **0.1876** | **0.4809** | **0.1291** | **0.1750** | **0.3041** | **0.0000** | **523.7007** | **523.7007** | **0.0932** | **0.0000** | **526.0299** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 0.4038 | 3.8501 | 2.6225 | 5.7100e-003 | 0.1919 | 0.1876 | 0.3795 | 0.0742 | 0.1750 | 0.2492 | 0.0000 | 523.7004 | 523.7004 | 0.0932 | 0.0000 | 526.0296 |
| 2019 | 0.6210 | 1.0139 | 1.0502 | 1.8200e-003 | 0.0493 | 0.0592 | 0.1085 | 0.0132 | 0.0556 | 0.0688 | 0.0000 | 160.9504 | 160.9504 | 0.0296 | 0.0000 | 161.6912 |
| **Maximum** | **0.6210** | **3.8501** | **2.6225** | **5.7100e-003** | **0.1919** | **0.1876** | **0.3795** | **0.0742** | **0.1750** | **0.2492** | **0.0000** | **523.7004** | **523.7004** | **0.0932** | **0.0000** | **526.0296** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **29.62** | **0.00** | **17.22** | **38.60** | **0.00** | **14.72** | **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 | 3-1-2018 | 5-31-2018 | 1.5184 | 1.5184 |
| 2 | 6-1-2018 | 8-31-2018 | 0.6593 | 0.6593 |
| 3 | 9-1-2018 | 11-30-2018 | 1.0956 | 1.0956 |
| 4 | 12-1-2018 | 2-28-2019 | 1.0147 | 1.0147 |
| 5 | 3-1-2019 | 5-31-2019 | 0.9723 | 0.9723 |
| | | Highest | 1.5184 | 1.5184 |

## 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 | 0.3254 | 4.2400e-003 | 0.3662 | 2.0000e-005 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | 0.0000 | 0.5955 | 0.5955 | 5.9000e-004 | 0.0000 | 0.6101 |
| Energy | 2.9200e-003 | 0.0250 | 0.0106 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | 0.0000 | 91.8206 | 91.8206 | 3.4000e-003 | 1.1200e-003 | 92.2390 |
| Mobile | 0.0751 | 0.3615 | 0.8329 | 2.0900e-003 | 0.1559 | 3.4400e-003 | 0.1594 | 0.0420 | 3.2600e-003 | 0.0452 | 0.0000 | 191.8601 | 191.8601 | 9.6500e-003 | 0.0000 | 192.1013 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 9.0757 | 0.0000 | 9.0757 | 0.5364 | 0.0000 | 22.4847 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 1.0129 | 7.0748 | 8.0876 | 0.1044 | 2.5200e-003 | 11.4481 |
| **Total** | **0.4034** | **0.3908** | **1.2098** | **2.2700e-003** | **0.1559** | **7.4700e-003** | **0.1634** | **0.0420** | **7.2900e-003** | **0.0493** | **10.0886** | **291.3509** | **301.4395** | **0.6544** | **3.6400e-003** | **318.8832** |

### 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 | 0.3252 | 4.2100e-003 | 0.3636 | 2.0000e-005 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 0.5901 | 0.5901 | 5.8000e-004 | 0.0000 | 0.6046 |
| Energy | 1.7900e-003 | 0.0153 | 6.5200e-003 | 1.0000e-004 | | 1.2400e-003 | 1.2400e-003 | | 1.2400e-003 | 1.2400e-003 | 0.0000 | 77.5985 | 77.5985 | 3.0500e-003 | 8.9000e-004 | 77.9385 |
| Mobile | 0.0745 | 0.3570 | 0.8212 | 2.0500e-003 | 0.1528 | 3.3800e-003 | 0.1562 | 0.0411 | 3.2000e-003 | 0.0443 | 0.0000 | 188.2502 | 188.2502 | 9.5100e-003 | 0.0000 | 188.4880 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 2.7227 | 0.0000 | 2.7227 | 0.1609 | 0.0000 | 6.7454 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.8103 | 5.6598 | 6.4701 | 0.0835 | 2.0200e-003 | 9.1584 |
| **Total** | **0.4015** | **0.3765** | **1.1913** | **2.1700e-003** | **0.1528** | **6.6100e-003** | **0.1594** | **0.0411** | **6.4300e-003** | **0.0476** | **3.5330** | **272.0986** | **275.6316** | **0.2575** | **2.9100e-003** | **282.9349** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.46** | **3.64** | **1.53** | **4.41** | **2.00** | **11.51** | **2.44** | **2.00** | **11.80** | **3.45** | **64.98** | **6.61** | **8.56** | **60.64** | **20.05** | **11.27** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 3/1/2018 | 3/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 3/8/2018 | 4/28/2018 | 6 | 45 | |
| 3 | Underground Utilities | Trenching | 4/29/2018 | 7/7/2018 | 6 | 60 | |
| 4 | Building Construction | Building Construction | 7/8/2018 | 4/2/2019 | 6 | 230 | |
| 5 | Paving | Paving | 4/3/2019 | 4/9/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 4/10/2019 | 5/3/2019 | 5 | 18 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4.14**

**Acres of Paving: 2.63**

**Residential Indoor: 137,992; Residential Outdoor: 45,997; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Underground Utilities | Excavators | 1 | 8.00 | 158 | 0.38 |
| Underground Utilities | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Underground Utilities | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 6 | 7.20 | 9 | 0.56 |
| Paving | Pavers | 4 | 7.20 | 130 | 0.42 |
| Paving | Paving Equipment | 6 | 7.20 | 132 | 0.36 |
| Paving | Rollers | 6 | 7.20 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 5 | 5.70 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 3,663.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Underground Utilities | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 120.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 27 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

## 3.2 Site Preparation - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0452 | 0.0000 | 0.0452 | 0.0248 | 0.0000 | 0.0248 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0114 | 0.1205 | 0.0562 | 1.0000e-004 | | 6.4400e-003 | 6.4400e-003 | | 5.9300e-003 | 5.9300e-003 | 0.0000 | 8.6900 | 8.6900 | 2.7100e-003 | 0.0000 | 8.7576 |
| **Total** | **0.0114** | **0.1205** | **0.0562** | **1.0000e-004** | **0.0452** | **6.4400e-003** | **0.0516** | **0.0248** | **5.9300e-003** | **0.0308** | **0.0000** | **8.6900** | **8.6900** | **2.7100e-003** | **0.0000** | **8.7576** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 2.0000e-004 | 1.9700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3457 | 0.3457 | 2.0000e-005 | 0.0000 | 0.3461 |
| **Total** | **2.6000e-004** | **2.0000e-004** | **1.9700e-003** | **0.0000** | **3.5000e-004** | **0.0000** | **3.6000e-004** | **9.0000e-005** | **0.0000** | **1.0000e-004** | **0.0000** | **0.3457** | **0.3457** | **2.0000e-005** | **0.0000** | **0.3461** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0112 | 0.0000 | 0.0112 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0114 | 0.1205 | 0.0562 | 1.0000e-004 | | 6.4400e-003 | 6.4400e-003 | | 5.9300e-003 | 5.9300e-003 | 0.0000 | 8.6900 | 8.6900 | 2.7100e-003 | 0.0000 | 8.7576 |
| **Total** | **0.0114** | **0.1205** | **0.0562** | **1.0000e-004** | **0.0203** | **6.4400e-003** | **0.0268** | **0.0112** | **5.9300e-003** | **0.0171** | **0.0000** | **8.6900** | **8.6900** | **2.7100e-003** | **0.0000** | **8.7576** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 2.0000e-004 | 1.9700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3457 | 0.3457 | 2.0000e-005 | 0.0000 | 0.3461 |
| **Total** | **2.6000e-004** | **2.0000e-004** | **1.9700e-003** | **0.0000** | **3.5000e-004** | **0.0000** | **3.6000e-004** | **9.0000e-005** | **0.0000** | **1.0000e-004** | **0.0000** | **0.3457** | **0.3457** | **2.0000e-005** | **0.0000** | **0.3461** |

## 3.3 Grading - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1394 | 0.0000 | 0.1394 | 0.0750 | 0.0000 | 0.0750 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0624 | 0.6901 | 0.3730 | 6.7000e-004 | | 0.0349 | 0.0349 | | 0.0321 | 0.0321 | 0.0000 | 60.9905 | 60.9905 | 0.0190 | 0.0000 | 61.4652 |
| **Total** | **0.0624** | **0.6901** | **0.3730** | **6.7000e-004** | **0.1394** | **0.0349** | **0.1743** | **0.0750** | **0.0321** | **0.1071** | **0.0000** | **60.9905** | **60.9905** | **0.0190** | **0.0000** | **61.4652** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0185 | 0.6290 | 0.1272 | 1.4800e-003 | 0.0304 | 3.4600e-003 | 0.0339 | 8.3300e-003 | 3.3100e-003 | 0.0116 | 0.0000 | 144.2187 | 144.2187 | 9.1700e-003 | 0.0000 | 144.4479 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.9300e-003 | 1.5000e-003 | 0.0148 | 3.0000e-005 | 2.6500e-003 | 2.0000e-005 | 2.6700e-003 | 7.1000e-004 | 2.0000e-005 | 7.3000e-004 | 0.0000 | 2.5929 | 2.5929 | 1.2000e-004 | 0.0000 | 2.5958 |
| **Total** | **0.0204** | **0.6305** | **0.1420** | **1.5100e-003** | **0.0330** | **3.4800e-003** | **0.0365** | **9.0400e-003** | **3.3300e-003** | **0.0124** | **0.0000** | **146.8116** | **146.8116** | **9.2900e-003** | **0.0000** | **147.0437** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 0.0627 | 0.0000 | 0.0627 | 0.0337 | 0.0000 | 0.0337 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0624 | 0.6901 | 0.3730 | 6.7000e-004 | | 0.0349 | 0.0349 | | 0.0321 | 0.0321 | 0.0000 | 60.9904 | 60.9904 | 0.0190 | 0.0000 | 61.4651 |
| **Total** | **0.0624** | **0.6901** | **0.3730** | **6.7000e-004** | **0.0627** | **0.0349** | **0.0976** | **0.0337** | **0.0321** | **0.0659** | **0.0000** | **60.9904** | **60.9904** | **0.0190** | **0.0000** | **61.4651** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0185 | 0.6290 | 0.1272 | 1.4800e-003 | 0.0304 | 3.4600e-003 | 0.0339 | 8.3300e-003 | 3.3100e-003 | 0.0116 | 0.0000 | 144.2187 | 144.2187 | 9.1700e-003 | 0.0000 | 144.4479 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.9300e-003 | 1.5000e-003 | 0.0148 | 3.0000e-005 | 2.6500e-003 | 2.0000e-005 | 2.6700e-003 | 7.1000e-004 | 2.0000e-005 | 7.3000e-004 | 0.0000 | 2.5929 | 2.5929 | 1.2000e-004 | 0.0000 | 2.5958 |
| **Total** | **0.0204** | **0.6305** | **0.1420** | **1.5100e-003** | **0.0330** | **3.4800e-003** | **0.0365** | **9.0400e-003** | **3.3300e-003** | **0.0124** | **0.0000** | **146.8116** | **146.8116** | **9.2900e-003** | **0.0000** | **147.0437** |

## 3.4 Underground Utilities - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0516 | 0.5486 | 0.2997 | 5.0000e-004 | | 0.0284 | 0.0284 | | 0.0261 | 0.0261 | 0.0000 | 46.0632 | 46.0632 | 0.0143 | 0.0000 | 46.4217 |
| **Total** | **0.0516** | **0.5486** | **0.2997** | **5.0000e-004** | | **0.0284** | **0.0284** | | **0.0261** | **0.0261** | **0.0000** | **46.0632** | **46.0632** | **0.0143** | **0.0000** | **46.4217** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.3700e-003 | 1.0700e-003 | 0.0105 | 2.0000e-005 | 1.8800e-003 | 2.0000e-005 | 1.9000e-003 | 5.0000e-004 | 2.0000e-005 | 5.2000e-004 | 0.0000 | 1.8439 | 1.8439 | 8.0000e-005 | 0.0000 | 1.8459 |
| **Total** | **1.3700e-003** | **1.0700e-003** | **0.0105** | **2.0000e-005** | **1.8800e-003** | **2.0000e-005** | **1.9000e-003** | **5.0000e-004** | **2.0000e-005** | **5.2000e-004** | **0.0000** | **1.8439** | **1.8439** | **8.0000e-005** | **0.0000** | **1.8459** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0516 | 0.5486 | 0.2997 | 5.0000e-004 | | 0.0284 | 0.0284 | | 0.0261 | 0.0261 | 0.0000 | 46.0632 | 46.0632 | 0.0143 | 0.0000 | 46.4217 |
| **Total** | **0.0516** | **0.5486** | **0.2997** | **5.0000e-004** | | **0.0284** | **0.0284** | | **0.0261** | **0.0261** | **0.0000** | **46.0632** | **46.0632** | **0.0143** | **0.0000** | **46.4217** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.3700e-003 | 1.0700e-003 | 0.0105 | 2.0000e-005 | 1.8800e-003 | 2.0000e-005 | 1.9000e-003 | 5.0000e-004 | 2.0000e-005 | 5.2000e-004 | 0.0000 | 1.8439 | 1.8439 | 8.0000e-005 | 0.0000 | 1.8459 |
| **Total** | **1.3700e-003** | **1.0700e-003** | **0.0105** | **2.0000e-005** | **1.8800e-003** | **2.0000e-005** | **1.9000e-003** | **5.0000e-004** | **2.0000e-005** | **5.2000e-004** | **0.0000** | **1.8439** | **1.8439** | **8.0000e-005** | **0.0000** | **1.8459** |

## 3.5 Building Construction - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2023 | 1.7660 | 1.3273 | 2.0300e-003 | | 0.1132 | 0.1132 | | 0.1065 | 0.1065 | 0.0000 | 179.5143 | 179.5143 | 0.0440 | 0.0000 | 180.6138 |
| **Total** | **0.2023** | **1.7660** | **1.3273** | **2.0300e-003** | | **0.1132** | **0.1132** | | **0.1065** | **0.1065** | **0.0000** | **179.5143** | **179.5143** | **0.0440** | **0.0000** | **180.6138** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.1600e-003 | 0.0529 | 0.0148 | 1.0000e-004 | 2.4500e-003 | 4.7000e-004 | 2.9100e-003 | 7.1000e-004 | 4.5000e-004 | 1.1500e-003 | 0.0000 | 9.8361 | 9.8361 | 6.7000e-004 | 0.0000 | 9.8529 |
| Worker | 0.0519 | 0.0403 | 0.3970 | 7.7000e-004 | 0.0711 | 6.3000e-004 | 0.0717 | 0.0189 | 5.8000e-004 | 0.0195 | 0.0000 | 69.6055 | 69.6055 | 3.1000e-003 | 0.0000 | 69.6830 |
| **Total** | **0.0540** | **0.0932** | **0.4118** | **8.7000e-004** | **0.0736** | **1.1000e-003** | **0.0746** | **0.0196** | **1.0300e-003** | **0.0207** | **0.0000** | **79.4416** | **79.4416** | **3.7700e-003** | **0.0000** | **79.5359** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.2023 | 1.7659 | 1.3273 | 2.0300e-003 | | 0.1132 | 0.1132 | | 0.1065 | 0.1065 | 0.0000 | 179.5141 | 179.5141 | 0.0440 | 0.0000 | 180.6136 |
| **Total** | **0.2023** | **1.7659** | **1.3273** | **2.0300e-003** | | **0.1132** | **0.1132** | | **0.1065** | **0.1065** | **0.0000** | **179.5141** | **179.5141** | **0.0440** | **0.0000** | **180.6136** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.1600e-003 | 0.0529 | 0.0148 | 1.0000e-004 | 2.4500e-003 | 4.7000e-004 | 2.9100e-003 | 7.1000e-004 | 4.5000e-004 | 1.1500e-003 | 0.0000 | 9.8361 | 9.8361 | 6.7000e-004 | 0.0000 | 9.8529 |
| Worker | 0.0519 | 0.0403 | 0.3970 | 7.7000e-004 | 0.0711 | 6.3000e-004 | 0.0717 | 0.0189 | 5.8000e-004 | 0.0195 | 0.0000 | 69.6055 | 69.6055 | 3.1000e-003 | 0.0000 | 69.6830 |
| **Total** | **0.0540** | **0.0932** | **0.4118** | **8.7000e-004** | **0.0736** | **1.1000e-003** | **0.0746** | **0.0196** | **1.0300e-003** | **0.0207** | **0.0000** | **79.4416** | **79.4416** | **3.7700e-003** | **0.0000** | **79.5359** |

## 3.5 Building Construction - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0933 | 0.8326 | 0.6780 | 1.0600e-003 | | 0.0510 | 0.0510 | | 0.0479 | 0.0479 | 0.0000 | 92.8662 | 92.8662 | 0.0226 | 0.0000 | 93.4317 |
| **Total** | **0.0933** | **0.8326** | **0.6780** | **1.0600e-003** | | **0.0510** | **0.0510** | | **0.0479** | **0.0479** | **0.0000** | **92.8662** | **92.8662** | **0.0226** | **0.0000** | **93.4317** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 9.9000e-004 | 0.0262 | 6.9300e-003 | 5.0000e-005 | 1.2800e-003 | 2.0000e-004 | 1.4800e-003 | 3.7000e-004 | 1.9000e-004 | 5.7000e-004 | 0.0000 | 5.1085 | 5.1085 | 3.4000e-004 | 0.0000 | 5.1170 |
| Worker | 0.0246 | 0.0186 | 0.1844 | 3.9000e-004 | 0.0372 | 3.1000e-004 | 0.0375 | 9.9000e-003 | 2.9000e-004 | 0.0102 | 0.0000 | 35.3595 | 35.3595 | 1.4300e-003 | 0.0000 | 35.3954 |
| **Total** | **0.0256** | **0.0447** | **0.1914** | **4.4000e-004** | **0.0385** | **5.1000e-004** | **0.0390** | **0.0103** | **4.8000e-004** | **0.0108** | **0.0000** | **40.4680** | **40.4680** | **1.7700e-003** | **0.0000** | **40.5124** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0933 | 0.8326 | 0.6780 | 1.0600e-003 | | 0.0510 | 0.0510 | | 0.0479 | 0.0479 | 0.0000 | 92.8661 | 92.8661 | 0.0226 | 0.0000 | 93.4316 |
| **Total** | **0.0933** | **0.8326** | **0.6780** | **1.0600e-003** | | **0.0510** | **0.0510** | | **0.0479** | **0.0479** | **0.0000** | **92.8661** | **92.8661** | **0.0226** | **0.0000** | **93.4316** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 9.9000e-004 | 0.0262 | 6.9300e-003 | 5.0000e-005 | 1.2800e-003 | 2.0000e-004 | 1.4800e-003 | 3.7000e-004 | 1.9000e-004 | 5.7000e-004 | 0.0000 | 5.1085 | 5.1085 | 3.4000e-004 | 0.0000 | 5.1170 |
| Worker | 0.0246 | 0.0186 | 0.1844 | 3.9000e-004 | 0.0372 | 3.1000e-004 | 0.0375 | 9.9000e-003 | 2.9000e-004 | 0.0102 | 0.0000 | 35.3595 | 35.3595 | 1.4300e-003 | 0.0000 | 35.3954 |
| **Total** | **0.0256** | **0.0447** | **0.1914** | **4.4000e-004** | **0.0385** | **5.1000e-004** | **0.0390** | **0.0103** | **4.8000e-004** | **0.0108** | **0.0000** | **40.4680** | **40.4680** | **1.7700e-003** | **0.0000** | **40.5124** |

## 3.6 Paving - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0114 | 0.1146 | 0.1106 | 1.7000e-004 | | 6.4600e-003 | 6.4600e-003 | | 5.9600e-003 | 5.9600e-003 | 0.0000 | 15.0239 | 15.0239 | 4.6200e-003 | 0.0000 | 15.1395 |
| Paving | 1.4400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0128** | **0.1146** | **0.1106** | **1.7000e-004** | | **6.4600e-003** | **6.4600e-003** | | **5.9600e-003** | **5.9600e-003** | **0.0000** | **15.0239** | **15.0239** | **4.6200e-003** | **0.0000** | **15.1395** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.5600e-003 | 1.1700e-003 | 0.0117 | 2.0000e-005 | 2.3500e-003 | 2.0000e-005 | 2.3700e-003 | 6.3000e-004 | 2.0000e-005 | 6.5000e-004 | 0.0000 | 2.2379 | 2.2379 | 9.0000e-005 | 0.0000 | 2.2402 |
| **Total** | **1.5600e-003** | **1.1700e-003** | **0.0117** | **2.0000e-005** | **2.3500e-003** | **2.0000e-005** | **2.3700e-003** | **6.3000e-004** | **2.0000e-005** | **6.5000e-004** | **0.0000** | **2.2379** | **2.2379** | **9.0000e-005** | **0.0000** | **2.2402** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0114 | 0.1146 | 0.1106 | 1.7000e-004 | | 6.4600e-003 | 6.4600e-003 | | 5.9600e-003 | 5.9600e-003 | 0.0000 | 15.0239 | 15.0239 | 4.6200e-003 | 0.0000 | 15.1395 |
| Paving | 1.4400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0128** | **0.1146** | **0.1106** | **1.7000e-004** | | **6.4600e-003** | **6.4600e-003** | | **5.9600e-003** | **5.9600e-003** | **0.0000** | **15.0239** | **15.0239** | **4.6200e-003** | **0.0000** | **15.1395** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.5600e-003 | 1.1700e-003 | 0.0117 | 2.0000e-005 | 2.3500e-003 | 2.0000e-005 | 2.3700e-003 | 6.3000e-004 | 2.0000e-005 | 6.5000e-004 | 0.0000 | 2.2379 | 2.2379 | 9.0000e-005 | 0.0000 | 2.2402 |
| **Total** | **1.5600e-003** | **1.1700e-003** | **0.0117** | **2.0000e-005** | **2.3500e-003** | **2.0000e-005** | **2.3700e-003** | **6.3000e-004** | **2.0000e-005** | **6.5000e-004** | **0.0000** | **2.2379** | **2.2379** | **9.0000e-005** | **0.0000** | **2.2402** |

## 3.7 Architectural Coating - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.4000e-003 | 0.0165 | 0.0166 | 3.0000e-005 | | 1.1600e-003 | 1.1600e-003 | | 1.1600e-003 | 1.1600e-003 | 0.0000 | 2.2979 | 2.2979 | 1.9000e-004 | 0.0000 | 2.3028 |
| **Total** | **0.4821** | **0.0165** | **0.0166** | **3.0000e-005** | | **1.1600e-003** | **1.1600e-003** | | **1.1600e-003** | **1.1600e-003** | **0.0000** | **2.2979** | **2.2979** | **1.9000e-004** | **0.0000** | **2.3028** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 5.6100e-003 | 4.2300e-003 | 0.0420 | 9.0000e-005 | 8.4800e-003 | 7.0000e-005 | 8.5500e-003 | 2.2600e-003 | 7.0000e-005 | 2.3200e-003 | 0.0000 | 8.0566 | 8.0566 | 3.3000e-004 | 0.0000 | 8.0648 |
| **Total** | **5.6100e-003** | **4.2300e-003** | **0.0420** | **9.0000e-005** | **8.4800e-003** | **7.0000e-005** | **8.5500e-003** | **2.2600e-003** | **7.0000e-005** | **2.3200e-003** | **0.0000** | **8.0566** | **8.0566** | **3.3000e-004** | **0.0000** | **8.0648** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.4797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.4000e-003 | 0.0165 | 0.0166 | 3.0000e-005 | | 1.1600e-003 | 1.1600e-003 | | 1.1600e-003 | 1.1600e-003 | 0.0000 | 2.2979 | 2.2979 | 1.9000e-004 | 0.0000 | 2.3028 |
| **Total** | **0.4821** | **0.0165** | **0.0166** | **3.0000e-005** | | **1.1600e-003** | **1.1600e-003** | | **1.1600e-003** | **1.1600e-003** | **0.0000** | **2.2979** | **2.2979** | **1.9000e-004** | **0.0000** | **2.3028** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 5.6100e-003 | 4.2300e-003 | 0.0420 | 9.0000e-005 | 8.4800e-003 | 7.0000e-005 | 8.5500e-003 | 2.2600e-003 | 7.0000e-005 | 2.3200e-003 | 0.0000 | 8.0566 | 8.0566 | 3.3000e-004 | 0.0000 | 8.0648 |
| **Total** | **5.6100e-003** | **4.2300e-003** | **0.0420** | **9.0000e-005** | **8.4800e-003** | **7.0000e-005** | **8.5500e-003** | **2.2600e-003** | **7.0000e-005** | **2.3200e-003** | **0.0000** | **8.0566** | **8.0566** | **3.3000e-004** | **0.0000** | **8.0648** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

Improve Pedestrian Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0745 | 0.3570 | 0.8212 | 2.0500e-003 | 0.1528 | 3.3800e-003 | 0.1562 | 0.0411 | 3.2000e-003 | 0.0443 | 0.0000 | 188.2502 | 188.2502 | 9.5100e-003 | 0.0000 | 188.4880 |
| Unmitigated | 0.0751 | 0.3615 | 0.8329 | 2.0900e-003 | 0.1559 | 3.4400e-003 | 0.1594 | 0.0420 | 3.2600e-003 | 0.0452 | 0.0000 | 191.8601 | 191.8601 | 9.6500e-003 | 0.0000 | 192.1013 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Congregate Care (Assisted Living) | 188.65 | 156.31 | 173.46 | 420,025 | 411,625 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 188.65 | 156.31 | 173.46 | 420,025 | 411,625 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Congregate Care (Assisted | 10.80 | 4.80 | 5.70 | 31.00 | 15.00 | 54.00 | 86 | 11 | 3 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Other Non-Asphalt Surfaces | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Parking Lot | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Congregate Care (Assisted Living) | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 59.8503 | 59.8503 | 2.7100e-003 | 5.6000e-004 | 60.0848 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 62.8769 | 62.8769 | 2.8400e-003 | 5.9000e-004 | 63.1233 |
| NaturalGas Mitigated | 1.7900e-003 | 0.0153 | 6.5200e-003 | 1.0000e-004 | | 1.2400e-003 | 1.2400e-003 | | 1.2400e-003 | 1.2400e-003 | 0.0000 | 17.7483 | 17.7483 | 3.4000e-004 | 3.3000e-004 | 17.8538 |
| NaturalGas Unmitigated | 2.9200e-003 | 0.0250 | 0.0106 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | 0.0000 | 28.9437 | 28.9437 | 5.5000e-004 | 5.3000e-004 | 29.1157 |

### 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 | | | | | |
| Congregate Care (Assisted Living) | 542384 | 2.9200e-003 | 0.0250 | 0.0106 | 1.6000e-004 | | 2.0200e-003 | 2.0200e-003 | | 2.0200e-003 | 2.0200e-003 | 0.0000 | 28.9437 | 28.9437 | 5.5000e-004 | 5.3000e-004 | 29.1157 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **2.9200e-003** | **0.0250** | **0.0106** | **1.6000e-004** | | **2.0200e-003** | **2.0200e-003** | | **2.0200e-003** | **2.0200e-003** | **0.0000** | **28.9437** | **28.9437** | **5.5000e-004** | **5.3000e-004** | **29.1157** |

**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 | | | | | |
| Congregate Care (Assisted Living) | 332590 | 1.7900e-003 | 0.0153 | 6.5200e-003 | 1.0000e-004 | | 1.2400e-003 | 1.2400e-003 | | 1.2400e-003 | 1.2400e-003 | 0.0000 | 17.7483 | 17.7483 | 3.4000e-004 | 3.3000e-004 | 17.8538 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **1.7900e-003** | **0.0153** | **6.5200e-003** | **1.0000e-004** | | **1.2400e-003** | **1.2400e-003** | | **1.2400e-003** | **1.2400e-003** | **0.0000** | **17.7483** | **17.7483** | **3.4000e-004** | **3.3000e-004** | **17.8538** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Congregate Care (Assisted Living) | 216138 | 62.8769 | 2.8400e-003 | 5.9000e-004 | 63.1233 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **62.8769** | **2.8400e-003** | **5.9000e-004** | **63.1233** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Congregate Care (Assisted Living) | 205734 | 59.8503 | 2.7100e-003 | 5.6000e-004 | 60.0848 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **59.8503** | **2.7100e-003** | **5.6000e-004** | **60.0848** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.3252 | 4.2100e-003 | 0.3636 | 2.0000e-005 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 0.5901 | 0.5901 | 5.8000e-004 | 0.0000 | 0.6046 |
| Unmitigated | 0.3254 | 4.2400e-003 | 0.3662 | 2.0000e-005 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | 0.0000 | 0.5955 | 0.5955 | 5.9000e-004 | 0.0000 | 0.6101 |

## 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 | 0.0480 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2661 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0113 | 4.2400e-003 | 0.3662 | 2.0000e-005 | | 2.0100e-003 | 2.0100e-003 | | 2.0100e-003 | 2.0100e-003 | 0.0000 | 0.5955 | 0.5955 | 5.9000e-004 | 0.0000 | 0.6101 |
| **Total** | **0.3254** | **4.2400e-003** | **0.3662** | **2.0000e-005** | | **2.0100e-003** | **2.0100e-003** | | **2.0100e-003** | **2.0100e-003** | **0.0000** | **0.5955** | **0.5955** | **5.9000e-004** | **0.0000** | **0.6101** |

**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 | 0.0480 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.2661 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0111 | 4.2100e-003 | 0.3636 | 2.0000e-005 | | 1.9900e-003 | 1.9900e-003 | | 1.9900e-003 | 1.9900e-003 | 0.0000 | 0.5901 | 0.5901 | 5.8000e-004 | 0.0000 | 0.6046 |
| **Total** | **0.3252** | **4.2100e-003** | **0.3636** | **2.0000e-005** | | **1.9900e-003** | **1.9900e-003** | | **1.9900e-003** | **1.9900e-003** | **0.0000** | **0.5901** | **0.5901** | **5.8000e-004** | **0.0000** | **0.6046** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 6.4701 | 0.0835 | 2.0200e-003 | 9.1584 |
| Unmitigated | 8.0876 | 0.1044 | 2.5200e-003 | 11.4481 |

## 7.2 Water by Land Use

### Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Congregate Care (Assisted Living) | 3.19255 / 2.01269 | 8.0876 | 0.1044 | 2.5200e-003 | 11.4481 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **8.0876** | **0.1044** | **2.5200e-003** | **11.4481** |

### Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Congregate Care (Assisted Living) | 2.55404 / 1.61015 | 6.4701 | 0.0835 | 2.0200e-003 | 9.1584 |
| Other Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **6.4701** | **0.0835** | **2.0200e-003** | **9.1584** |

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 2.7227 | 0.1609 | 0.0000 | 6.7454 |
| Unmitigated | 9.0757 | 0.5364 | 0.0000 | 22.4847 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Congregate Care (Assisted Living) | 44.71 | 9.0757 | 0.5364 | 0.0000 | 22.4847 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **9.0757** | **0.5364** | **0.0000** | **22.4847** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Congregate Care (Assisted Living) | 13.413 | 2.7227 | 0.1609 | 0.0000 | 6.7454 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **2.7227** | **0.1609** | **0.0000** | **6.7454** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Emerald Isle Unmitigated Construction and Project Operations

**Sonoma-San Francisco County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.53 | Acre | 0.53 | 0.00 | 0 |
| Other Non-Asphalt Surfaces | 1.53 | Acre | 1.53 | 0.00 | 0 |
| Parking Lot | 63.00 | Space | 0.57 | 0.00 | 0 |
| Congregate Care (Assisted Living) | 49.00 | Dwelling Unit | 1.51 | 68,144.00 | 140 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 75 |
| **Climate Zone** | 4 | | | **Operational Year** | 2019 |
| **Utility Company** | Pacific Gas & Electric Company | | | | |
| **CO2 Intensity (lb/MWhr)** | 641.35 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics - Emerald Isle Assisted Living Project - Unmitigated Construction and Project Operations

Land Use - Based on site plan and project description

Construction Phase - Adjusted based on input from the Project Applicant.
March 2018 start date, duration 12-15 months

Off-road Equipment - Equipment usage adjusted to conserve default horsepower hours

Off-road Equipment - Expected equipment for the underground utilities phase

Trips and VMT - At the peak of construction activities there would be 60 workers on-site

Grading - 29,304 cubic yards of material to be exported

Vehicle Trips - Focused Traffic Study for the Emerald Isle Assisted Living Project prepared by W-Trans on May 10, 2017
ITE Trip Generation Manual, 9th Ed (ITE Code 254)

Construction Off-road Equipment Mitigation - Compliance with BAAQMD Best Management Practices threshold for fugitive dust

Mobile Land Use Mitigation - Existing project site conditions

Energy Mitigation - 15% more efficient than 2016 Title 24

Water Mitigation - Green Building Code Standards

Waste Mitigation - Adopt a long-term waste diversion goal of a 70% diversion rate by 2015

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingValue | 0 | 100 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 0 |
| tblConstructionPhase | NumDays | 8.00 | 45.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 22.50 | 4.14 |
| tblGrading | MaterialExported | 0.00 | 29,304.00 |
| tblLandUse | BuildingSpaceSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LandUseSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LotAcreage | 3.06 | 1.51 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 5.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.70 |
| tblProjectCharacteristics | OperationalYear | 2018 | 2019 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 68.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 120.00 |
| tblVehicleTrips | ST_TR | 2.20 | 3.19 |
| tblVehicleTrips | SU_TR | 2.44 | 3.54 |
| tblVehicleTrips | WD_TR | 2.74 | 3.85 |

# 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 4.6682 | 58.1622 | 23.3040 | 0.0972 | 18.2141 | 2.5782 | 20.7923 | 9.9699 | 2.3719 | 12.3418 | 0.0000 | 10,226.9197 | 10,226.9197 | 1.3757 | 0.0000 | 10,261.3121 |
| 2019 | 54.2044 | 46.2690 | 49.1527 | 0.0786 | 1.0194 | 2.5926 | 3.5783 | 0.2712 | 2.3914 | 2.6529 | 0.0000 | 7,674.4080 | 7,674.4080 | 2.0796 | 0.0000 | 7,726.3987 |
| **Maximum** | **54.2044** | **58.1622** | **49.1527** | **0.0972** | **18.2141** | **2.5926** | **20.7923** | **9.9699** | **2.3914** | **12.3418** | **0.0000** | **10,226.9197** | **10,226.9197** | **2.0796** | **0.0000** | **10,261.3121** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 4.6682 | 58.1622 | 23.3040 | 0.0972 | 8.2777 | 2.5782 | 10.8558 | 4.5080 | 2.3719 | 6.8799 | 0.0000 | 10,226.9197 | 10,226.9197 | 1.3757 | 0.0000 | 10,261.3121 |
| 2019 | 54.2044 | 46.2690 | 49.1527 | 0.0786 | 1.0194 | 2.5926 | 3.5783 | 0.2712 | 2.3914 | 2.6529 | 0.0000 | 7,674.4080 | 7,674.4080 | 2.0796 | 0.0000 | 7,726.3987 |
| **Maximum** | **54.2044** | **58.1622** | **49.1527** | **0.0972** | **8.2777** | **2.5926** | **10.8558** | **4.5080** | **2.3914** | **6.8799** | **0.0000** | **10,226.9197** | **10,226.9197** | **2.0796** | **0.0000** | **10,261.3121** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **51.66** | **0.00** | **40.77** | **53.33** | **0.00** | **36.43** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.8461 | 0.0471 | 4.0693 | 2.1000e-004 | | 0.0223 | 0.0223 | | 0.0223 | 0.0223 | | 7.2933 | 7.2933 | 7.1800e-003 | | 7.4729 |
| Energy | 0.0160 | 0.1369 | 0.0583 | 8.7000e-004 | | 0.0111 | 0.0111 | | 0.0111 | 0.0111 | | 174.8217 | 174.8217 | 3.3500e-003 | 3.2100e-003 | 175.8606 |
| Mobile | 0.4753 | 1.9896 | 4.8016 | 0.0125 | 0.9294 | 0.0196 | 0.9490 | 0.2493 | 0.0185 | 0.2678 | | 1,263.2335 | 1,263.2335 | 0.0607 | | 1,264.7505 |
| **Total** | **2.3374** | **2.1737** | **8.9292** | **0.0136** | **0.9294** | **0.0529** | **0.9823** | **0.2493** | **0.0518** | **0.3011** | | **1,445.3485** | **1,445.3485** | **0.0712** | **3.2100e-003** | **1,448.0840** |

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.8444 | 0.0468 | 4.0399 | 2.1000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | | 7.2275 | 7.2275 | 7.0800e-003 | | 7.4045 |
| Energy | 9.8300e-003 | 0.0840 | 0.0357 | 5.4000e-004 | | 6.7900e-003 | 6.7900e-003 | | 6.7900e-003 | 6.7900e-003 | | 107.2008 | 107.2008 | 2.0500e-003 | 1.9700e-003 | 107.8378 |
| Mobile | 0.4721 | 1.9650 | 4.7284 | 0.0123 | 0.9109 | 0.0192 | 0.9300 | 0.2443 | 0.0182 | 0.2624 | | 1,239.4467 | 1,239.4467 | 0.0598 | | 1,240.9416 |
| **Total** | **2.3262** | **2.0958** | **8.8039** | **0.0130** | **0.9109** | **0.0481** | **0.9589** | **0.2443** | **0.0471** | **0.2913** | | **1,353.8750** | **1,353.8750** | **0.0689** | **1.9700e-003** | **1,356.1840** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.48** | **3.58** | **1.40** | **4.19** | **2.00** | **9.09** | **2.38** | **2.00** | **9.24** | **3.25** | **0.00** | **6.33** | **6.33** | **3.20** | **38.63** | **6.35** |

## 3.0 Construction Detail

**Construction Phase**

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 3/1/2018 | 3/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 3/8/2018 | 4/28/2018 | 6 | 45 | |
| 3 | Underground Utilities | Trenching | 4/29/2018 | 7/7/2018 | 6 | 60 | |
| 4 | Building Construction | Building Construction | 7/8/2018 | 4/2/2019 | 6 | 230 | |
| 5 | Paving | Paving | 4/3/2019 | 4/9/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 4/10/2019 | 5/3/2019 | 5 | 18 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4.14**

**Acres of Paving: 2.63**

**Residential Indoor: 137,992; Residential Outdoor: 45,997; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Underground Utilities | Excavators | 1 | 8.00 | 158 | 0.38 |
| Underground Utilities | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Underground Utilities | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 6 | 7.20 | 9 | 0.56 |
| Paving | Pavers | 4 | 7.20 | 130 | 0.42 |
| Paving | Paving Equipment | 6 | 7.20 | 132 | 0.36 |
| Paving | Rollers | 6 | 7.20 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 5 | 5.70 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 3,663.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Underground Utilities | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 120.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 27 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

## 3.2 Site Preparation - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5627 | 48.1988 | 22.4763 | 0.0380 | | 2.5769 | 2.5769 | | 2.3708 | 2.3708 | | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **4.5627** | **48.1988** | **22.4763** | **0.0380** | **18.0663** | **2.5769** | **20.6432** | **9.9307** | **2.3708** | **12.3014** | | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1054 | 0.0715 | 0.8277 | 1.6300e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 162.1839 | 162.1839 | 7.0600e-003 | | 162.3603 |
| **Total** | **0.1054** | **0.0715** | **0.8277** | **1.6300e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **162.1839** | **162.1839** | **7.0600e-003** | | **162.3603** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5627 | 48.1988 | 22.4763 | 0.0380 | | 2.5769 | 2.5769 | | 2.3708 | 2.3708 | 0.0000 | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **4.5627** | **48.1988** | **22.4763** | **0.0380** | **8.1298** | **2.5769** | **10.7067** | **4.4688** | **2.3708** | **6.8396** | **0.0000** | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1054 | 0.0715 | 0.8277 | 1.6300e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 162.1839 | 162.1839 | 7.0600e-003 | | 162.3603 |
| **Total** | **0.1054** | **0.0715** | **0.8277** | **1.6300e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **162.1839** | **162.1839** | **7.0600e-003** | | **162.3603** |

## 3.3 Grading - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1933 | 0.0000 | 6.1933 | 3.3319 | 0.0000 | 3.3319 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7733 | 30.6725 | 16.5770 | 0.0297 | | 1.5513 | 1.5513 | | 1.4272 | 1.4272 | | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **2.7733** | **30.6725** | **16.5770** | **0.0297** | **6.1933** | **1.5513** | **7.7446** | **3.3319** | **1.4272** | **4.7591** | | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8111 | 27.4301 | 5.4730 | 0.0662 | 1.4061 | 0.1520 | 1.5581 | 0.3839 | 0.1454 | 0.5293 | | 7,103.7449 | 7,103.7449 | 0.4396 | | 7,114.7350 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0879 | 0.0596 | 0.6897 | 1.3600e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 135.1532 | 135.1532 | 5.8800e-003 | | 135.3003 |
| **Total** | **0.8990** | **27.4897** | **6.1627** | **0.0676** | **1.5293** | **0.1530** | **1.6823** | **0.4166** | **0.1464** | **0.5630** | | **7,238.8981** | **7,238.8981** | **0.4455** | | **7,250.0352** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7870 | 0.0000 | 2.7870 | 1.4994 | 0.0000 | 1.4994 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7733 | 30.6725 | 16.5770 | 0.0297 | | 1.5513 | 1.5513 | | 1.4272 | 1.4272 | 0.0000 | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **2.7733** | **30.6725** | **16.5770** | **0.0297** | **2.7870** | **1.5513** | **4.3383** | **1.4994** | **1.4272** | **2.9266** | **0.0000** | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8111 | 27.4301 | 5.4730 | 0.0662 | 1.4061 | 0.1520 | 1.5581 | 0.3839 | 0.1454 | 0.5293 | | 7,103.7449 | 7,103.7449 | 0.4396 | | 7,114.7350 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0879 | 0.0596 | 0.6897 | 1.3600e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 135.1532 | 135.1532 | 5.8800e-003 | | 135.3003 |
| **Total** | **0.8990** | **27.4897** | **6.1627** | **0.0676** | **1.5293** | **0.1530** | **1.6823** | **0.4166** | **0.1464** | **0.5630** | | **7,238.8981** | **7,238.8981** | **0.4455** | | **7,250.0352** |

# 3.4 Underground Utilities - 2018

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7214 | 18.2856 | 9.9889 | 0.0168 | | 0.9470 | 0.9470 | | 0.8713 | 0.8713 | | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **1.7214** | **18.2856** | **9.9889** | **0.0168** | | **0.9470** | **0.9470** | | **0.8713** | **0.8713** | | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0469 | 0.0318 | 0.3679 | 7.3000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 72.0817 | 72.0817 | 3.1400e-003 | | 72.1601 |
| **Total** | **0.0469** | **0.0318** | **0.3679** | **7.3000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **72.0817** | **72.0817** | **3.1400e-003** | | **72.1601** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7214 | 18.2856 | 9.9889 | 0.0168 | | 0.9470 | 0.9470 | | 0.8713 | 0.8713 | 0.0000 | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **1.7214** | **18.2856** | **9.9889** | **0.0168** | | **0.9470** | **0.9470** | | **0.8713** | **0.8713** | **0.0000** | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0469 | 0.0318 | 0.3679 | 7.3000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 72.0817 | 72.0817 | 3.1400e-003 | | 72.1601 |
| **Total** | **0.0469** | **0.0318** | **0.3679** | **7.3000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **72.0817** | **72.0817** | **3.1400e-003** | | **72.1601** |

## 3.5 Building Construction - 2018

### Unmitigated Construction On-Site

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

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0280 | 0.6915 | 0.1847 | 1.3600e-003 | 0.0337 | 6.1100e-003 | 0.0398 | 9.6800e-003 | 5.8400e-003 | 0.0155 | | 144.8429 | 144.8429 | 9.5000e-003 | | 145.0804 |
| Worker | 0.7029 | 0.4766 | 5.5178 | 0.0109 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,081.2257 | 1,081.2257 | 0.0471 | | 1,082.4021 |
| **Total** | **0.7309** | **1.1680** | **5.7026** | **0.0122** | **1.0194** | **0.0144** | **1.0338** | **0.2712** | **0.0135** | **0.2846** | | **1,226.0686** | **1,226.0686** | **0.0566** | | **1,227.4824** |

### Mitigated Construction On-Site

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

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0280 | 0.6915 | 0.1847 | 1.3600e-003 | 0.0337 | 6.1100e-003 | 0.0398 | 9.6800e-003 | 5.8400e-003 | 0.0155 | | 144.8429 | 144.8429 | 9.5000e-003 | | 145.0804 |
| Worker | 0.7029 | 0.4766 | 5.5178 | 0.0109 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,081.2257 | 1,081.2257 | 0.0471 | | 1,082.4021 |
| **Total** | **0.7309** | **1.1680** | **5.7026** | **0.0122** | **1.0194** | **0.0144** | **1.0338** | **0.2712** | **0.0135** | **0.2846** | | **1,226.0686** | **1,226.0686** | **0.0566** | | **1,227.4824** |

## 3.5 Building Construction - 2019

### Unmitigated Construction On-Site

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

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0246 | 0.6543 | 0.1651 | 1.3500e-003 | 0.0337 | 5.1100e-003 | 0.0388 | 9.6800e-003 | 4.8900e-003 | 0.0146 | | 143.8107 | 143.8107 | 9.1400e-003 | | 144.0392 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6633** | **1.0736** | **5.0774** | **0.0119** | **1.0194** | **0.0131** | **1.0325** | **0.2712** | **0.0122** | **0.2834** | | **1,193.8028** | **1,193.8028** | **0.0509** | | **1,195.0743** |

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0246 | 0.6543 | 0.1651 | 1.3500e-003 | 0.0337 | 5.1100e-003 | 0.0388 | 9.6800e-003 | 4.8900e-003 | 0.0146 | | 143.8107 | 143.8107 | 9.1400e-003 | | 144.0392 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6633** | **1.0736** | **5.0774** | **0.0119** | **1.0194** | **0.0131** | **1.0325** | **0.2712** | **0.0122** | **0.2834** | | **1,193.8028** | **1,193.8028** | **0.0509** | | **1,195.0743** |

## 3.6 Paving - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 4.5557 | 45.8497 | 44.2405 | 0.0680 | | 2.5846 | 2.5846 | | 2.3841 | 2.3841 | | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **5.1321** | **45.8497** | **44.2405** | **0.0680** | | **2.5846** | **2.5846** | | **2.3841** | **2.3841** | | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 4.5557 | 45.8497 | 44.2405 | 0.0680 | | 2.5846 | 2.5846 | | 2.3841 | 2.3841 | 0.0000 | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **5.1321** | **45.8497** | **44.2405** | **0.0680** | | **2.5846** | **2.5846** | | **2.3841** | **2.3841** | **0.0000** | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

## 3.7 Architectural Coating - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.5657** | **1.8354** | **1.8413** | **2.9700e-003** | | **0.1288** | **0.1288** | | **0.1288** | **0.1288** | | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | 0.0000 | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.5657** | **1.8354** | **1.8413** | **2.9700e-003** | | **0.1288** | **0.1288** | | **0.1288** | **0.1288** | **0.0000** | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

Improve Pedestrian Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4721 | 1.9650 | 4.7284 | 0.0123 | 0.9109 | 0.0192 | 0.9300 | 0.2443 | 0.0182 | 0.2624 | | 1,239.4467 | 1,239.4467 | 0.0598 | | 1,240.9416 |
| Unmitigated | 0.4753 | 1.9896 | 4.8016 | 0.0125 | 0.9294 | 0.0196 | 0.9490 | 0.2493 | 0.0185 | 0.2678 | | 1,263.2335 | 1,263.2335 | 0.0607 | | 1,264.7505 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Congregate Care (Assisted Living) | 188.65 | 156.31 | 173.46 | 420,025 | 411,625 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 188.65 | 156.31 | 173.46 | 420,025 | 411,625 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-... | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Congregate Care (Assisted | 10.80 | 4.80 | 5.70 | 31.00 | 15.00 | 54.00 | 86 | 11 | 3 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Other Non-Asphalt Surfaces | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Parking Lot | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Congregate Care (Assisted Living) | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 9.8300e-003 | 0.0840 | 0.0357 | 5.4000e-004 | | 6.7900e-003 | 6.7900e-003 | | 6.7900e-003 | 6.7900e-003 | | 107.2008 | 107.2008 | 2.0500e-003 | 1.9700e-003 | 107.8378 |
| NaturalGas Unmitigated | 0.0160 | 0.1369 | 0.0583 | 8.7000e-004 | | 0.0111 | 0.0111 | | 0.0111 | 0.0111 | | 174.8217 | 174.8217 | 3.3500e-003 | 3.2100e-003 | 175.8606 |

### 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Congregate Care (Assisted Living) | 1485.98 | 0.0160 | 0.1369 | 0.0583 | 8.7000e-004 | | 0.0111 | 0.0111 | | 0.0111 | 0.0111 | | 174.8217 | 174.8217 | 3.3500e-003 | 3.2100e-003 | 175.8606 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0160** | **0.1369** | **0.0583** | **8.7000e-004** | | **0.0111** | **0.0111** | | **0.0111** | **0.0111** | | **174.8217** | **174.8217** | **3.3500e-003** | **3.2100e-003** | **175.8606** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Congregate Care (Assisted Living) | 0.911206 | 9.8300e-003 | 0.0840 | 0.0357 | 5.4000e-004 | | 6.7900e-003 | 6.7900e-003 | | 6.7900e-003 | 6.7900e-003 | | 107.2008 | 107.2008 | 2.0500e-003 | 1.9700e-003 | 107.8378 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **9.8300e-003** | **0.0840** | **0.0357** | **5.4000e-004** | | **6.7900e-003** | **6.7900e-003** | | **6.7900e-003** | **6.7900e-003** | | **107.2008** | **107.2008** | **2.0500e-003** | **1.9700e-003** | **107.8378** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.8444 | 0.0468 | 4.0399 | 2.1000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | | 7.2275 | 7.2275 | 7.0800e-003 | | 7.4045 |
| Unmitigated | 1.8461 | 0.0471 | 4.0693 | 2.1000e-004 | | 0.0223 | 0.0223 | | 0.0223 | 0.0223 | | 7.2933 | 7.2933 | 7.1800e-003 | | 7.4729 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2629 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.1250 | 0.0471 | 4.0693 | 2.1000e-004 | | 0.0223 | 0.0223 | | 0.0223 | 0.0223 | | 7.2933 | 7.2933 | 7.1800e-003 | | 7.4729 |
| **Total** | **1.8461** | **0.0471** | **4.0693** | **2.1000e-004** | | **0.0223** | **0.0223** | | **0.0223** | **0.0223** | | **7.2933** | **7.2933** | **7.1800e-003** | | **7.4729** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2629 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.1232 | 0.0468 | 4.0399 | 2.1000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | | 7.2275 | 7.2275 | 7.0800e-003 | | 7.4045 |
| **Total** | **1.8444** | **0.0468** | **4.0399** | **2.1000e-004** | | **0.0221** | **0.0221** | | **0.0221** | **0.0221** | | **7.2275** | **7.2275** | **7.0800e-003** | | **7.4045** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

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

### Boilers

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

### User Defined Equipment

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Emerald Isle Unmitigated Construction and Project Operations

**Sonoma-San Francisco County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.53 | Acre | 0.53 | 0.00 | 0 |
| Other Non-Asphalt Surfaces | 1.53 | Acre | 1.53 | 0.00 | 0 |
| Parking Lot | 63.00 | Space | 0.57 | 0.00 | 0 |
| Congregate Care (Assisted Living) | 49.00 | Dwelling Unit | 1.51 | 68,144.00 | 140 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 75 |
| **Climate Zone** | 4 | | | **Operational Year** | 2019 |
| **Utility Company** | Pacific Gas & Electric Company | | | | |
| **CO2 Intensity (lb/MWhr)** | 641.35 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics - Emerald Isle Assisted Living Project - Unmitigated Construction and Project Operations

Land Use - Based on site plan and project description

Construction Phase - Adjusted based on input from the Project Applicant.
March 2018 start date, duration 12-15 months

Off-road Equipment - Equipment usage adjusted to conserve default horsepower hours

Off-road Equipment - Expected equipment for the underground utilities phase

Trips and VMT - At the peak of construction activities there would be 60 workers on-site

Grading - 29,304 cubic yards of material to be exported

Vehicle Trips - Focused Traffic Study for the Emerald Isle Assisted Living Project prepared by W-Trans on May 10, 2017
ITE Trip Generation Manual, 9th Ed (ITE Code 254)

Construction Off-road Equipment Mitigation - Compliance with BAAQMD Best Management Practices threshold for fugitive dust

Mobile Land Use Mitigation - Existing project site conditions

Energy Mitigation - 15% more efficient than 2016 Title 24

Water Mitigation - Green Building Code Standards

Waste Mitigation - Adopt a long-term waste diversion goal of a 70% diversion rate by 2015

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingValue | 0 | 100 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 0 |
| tblConstructionPhase | NumDays | 8.00 | 45.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 22.50 | 4.14 |
| tblGrading | MaterialExported | 0.00 | 29,304.00 |
| tblLandUse | BuildingSpaceSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LandUseSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LotAcreage | 3.06 | 1.51 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 5.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.70 |
| tblProjectCharacteristics | OperationalYear | 2018 | 2019 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 68.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 120.00 |
| tblVehicleTrips | ST_TR | 2.20 | 3.19 |
| tblVehicleTrips | SU_TR | 2.44 | 3.54 |
| tblVehicleTrips | WD_TR | 2.74 | 3.85 |

# 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 4.6767 | 58.9094 | 23.2920 | 0.0963 | 18.2141 | 2.5782 | 20.7923 | 9.9699 | 2.3719 | 12.3418 | 0.0000 | 10,126.3553 | 10,126.3553 | 1.3978 | 0.0000 | 10,161.2993 |
| 2019 | 54.2550 | 46.3693 | 49.0588 | 0.0778 | 1.0194 | 2.5926 | 3.5783 | 0.2712 | 2.3914 | 2.6529 | 0.0000 | 7,600.2836 | 7,600.2836 | 2.0783 | 0.0000 | 7,652.2406 |
| **Maximum** | **54.2550** | **58.9094** | **49.0588** | **0.0963** | **18.2141** | **2.5926** | **20.7923** | **9.9699** | **2.3914** | **12.3418** | **0.0000** | **10,126.3553** | **10,126.3553** | **2.0783** | **0.0000** | **10,161.2993** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 4.6767 | 58.9094 | 23.2920 | 0.0963 | 8.2777 | 2.5782 | 10.8558 | 4.5080 | 2.3719 | 6.8799 | 0.0000 | 10,126.3553 | 10,126.3553 | 1.3978 | 0.0000 | 10,161.2993 |
| 2019 | 54.2550 | 46.3693 | 49.0588 | 0.0778 | 1.0194 | 2.5926 | 3.5783 | 0.2712 | 2.3914 | 2.6529 | 0.0000 | 7,600.2836 | 7,600.2836 | 2.0783 | 0.0000 | 7,652.2406 |
| **Maximum** | **54.2550** | **58.9094** | **49.0588** | **0.0963** | **8.2777** | **2.5926** | **10.8558** | **4.5080** | **2.3914** | **6.8799** | **0.0000** | **10,126.3553** | **10,126.3553** | **2.0783** | **0.0000** | **10,161.2993** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.00** | **0.00** | **0.00** | **0.00** | **51.66** | **0.00** | **40.77** | **53.33** | **0.00** | **36.43** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.8461 | 0.0471 | 4.0693 | 2.1000e-004 | | 0.0223 | 0.0223 | | 0.0223 | 0.0223 | | 7.2933 | 7.2933 | 7.1800e-003 | | 7.4729 |
| Energy | 0.0160 | 0.1369 | 0.0583 | 8.7000e-004 | | 0.0111 | 0.0111 | | 0.0111 | 0.0111 | | 174.8217 | 174.8217 | 3.3500e-003 | 3.2100e-003 | 175.8606 |
| Mobile | 0.4290 | 2.1151 | 5.0030 | 0.0118 | 0.9294 | 0.0198 | 0.9492 | 0.2493 | 0.0187 | 0.2680 | | 1,194.1871 | 1,194.1871 | 0.0623 | | 1,195.7436 |
| **Total** | **2.2911** | **2.2992** | **9.1306** | **0.0129** | **0.9294** | **0.0531** | **0.9826** | **0.2493** | **0.0521** | **0.3013** | | **1,376.3022** | **1,376.3022** | **0.0728** | **3.2100e-003** | **1,379.0771** |

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 1.8444 | 0.0468 | 4.0399 | 2.1000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | | 7.2275 | 7.2275 | 7.0800e-003 | | 7.4045 |
| Energy | 9.8300e-003 | 0.0840 | 0.0357 | 5.4000e-004 | | 6.7900e-003 | 6.7900e-003 | | 6.7900e-003 | 6.7900e-003 | | 107.2008 | 107.2008 | 2.0500e-003 | 1.9700e-003 | 107.8378 |
| Mobile | 0.4258 | 2.0880 | 4.9358 | 0.0116 | 0.9109 | 0.0194 | 0.9303 | 0.2443 | 0.0184 | 0.2627 | | 1,171.6660 | 1,171.6660 | 0.0614 | | 1,173.2014 |
| **Total** | **2.2800** | **2.2188** | **9.0114** | **0.0124** | **0.9109** | **0.0483** | **0.9592** | **0.2443** | **0.0473** | **0.2916** | | **1,286.0943** | **1,286.0943** | **0.0706** | **1.9700e-003** | **1,288.4437** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **0.49** | **3.49** | **1.31** | **4.26** | **2.00** | **9.05** | **2.38** | **2.00** | **9.20** | **3.24** | **0.00** | **6.55** | **6.55** | **3.08** | **38.63** | **6.57** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 3/1/2018 | 3/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 3/8/2018 | 4/28/2018 | 6 | 45 | |
| 3 | Underground Utilities | Trenching | 4/29/2018 | 7/7/2018 | 6 | 60 | |
| 4 | Building Construction | Building Construction | 7/8/2018 | 4/2/2019 | 6 | 230 | |
| 5 | Paving | Paving | 4/3/2019 | 4/9/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 4/10/2019 | 5/3/2019 | 5 | 18 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4.14**

**Acres of Paving: 2.63**

**Residential Indoor: 137,992; Residential Outdoor: 45,997; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Underground Utilities | Excavators | 1 | 8.00 | 158 | 0.38 |
| Underground Utilities | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Underground Utilities | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 6 | 7.20 | 9 | 0.56 |
| Paving | Pavers | 4 | 7.20 | 130 | 0.42 |
| Paving | Paving Equipment | 6 | 7.20 | 132 | 0.36 |
| Paving | Rollers | 6 | 7.20 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 5 | 5.70 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 3,663.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Underground Utilities | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 120.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 27 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Water Exposed Area

## 3.2 Site Preparation - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5627 | 48.1988 | 22.4763 | 0.0380 | | 2.5769 | 2.5769 | | 2.3708 | 2.3708 | | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **4.5627** | **48.1988** | **22.4763** | **0.0380** | **18.0663** | **2.5769** | **20.6432** | **9.9307** | **2.3708** | **12.3014** | | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1140 | 0.0885 | 0.8157 | 1.5200e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 150.7566 | 150.7566 | 6.8500e-003 | | 150.9278 |
| **Total** | **0.1140** | **0.0885** | **0.8157** | **1.5200e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **150.7566** | **150.7566** | **6.8500e-003** | | **150.9278** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5627 | 48.1988 | 22.4763 | 0.0380 | | 2.5769 | 2.5769 | | 2.3708 | 2.3708 | 0.0000 | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **4.5627** | **48.1988** | **22.4763** | **0.0380** | **8.1298** | **2.5769** | **10.7067** | **4.4688** | **2.3708** | **6.8396** | **0.0000** | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1140 | 0.0885 | 0.8157 | 1.5200e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 150.7566 | 150.7566 | 6.8500e-003 | | 150.9278 |
| **Total** | **0.1140** | **0.0885** | **0.8157** | **1.5200e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **150.7566** | **150.7566** | **6.8500e-003** | | **150.9278** |

## 3.3 Grading - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1933 | 0.0000 | 6.1933 | 3.3319 | 0.0000 | 3.3319 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7733 | 30.6725 | 16.5770 | 0.0297 | | 1.5513 | 1.5513 | | 1.4272 | 1.4272 | | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **2.7733** | **30.6725** | **16.5770** | **0.0297** | **6.1933** | **1.5513** | **7.7446** | **3.3319** | **1.4272** | **4.7591** | | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8348 | 28.1631 | 5.9155 | 0.0654 | 1.4061 | 0.1557 | 1.5618 | 0.3839 | 0.1490 | 0.5329 | | 7,012.7032 | 7,012.7032 | 0.4618 | | 7,024.2493 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0950 | 0.0738 | 0.6797 | 1.2700e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 125.6305 | 125.6305 | 5.7100e-003 | | 125.7732 |
| **Total** | **0.9298** | **28.2369** | **6.5953** | **0.0666** | **1.5293** | **0.1567** | **1.6860** | **0.4166** | **0.1499** | **0.5665** | | **7,138.3337** | **7,138.3337** | **0.4676** | | **7,150.0224** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7870 | 0.0000 | 2.7870 | 1.4994 | 0.0000 | 1.4994 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7733 | 30.6725 | 16.5770 | 0.0297 | | 1.5513 | 1.5513 | | 1.4272 | 1.4272 | 0.0000 | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **2.7733** | **30.6725** | **16.5770** | **0.0297** | **2.7870** | **1.5513** | **4.3383** | **1.4994** | **1.4272** | **2.9266** | **0.0000** | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8348 | 28.1631 | 5.9155 | 0.0654 | 1.4061 | 0.1557 | 1.5618 | 0.3839 | 0.1490 | 0.5329 | | 7,012.7032 | 7,012.7032 | 0.4618 | | 7,024.2493 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0950 | 0.0738 | 0.6797 | 1.2700e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 125.6305 | 125.6305 | 5.7100e-003 | | 125.7732 |
| **Total** | **0.9298** | **28.2369** | **6.5953** | **0.0666** | **1.5293** | **0.1567** | **1.6860** | **0.4166** | **0.1499** | **0.5665** | | **7,138.3337** | **7,138.3337** | **0.4676** | | **7,150.0224** |

## 3.4 Underground Utilities - 2018

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7214 | 18.2856 | 9.9889 | 0.0168 | | 0.9470 | 0.9470 | | 0.8713 | 0.8713 | | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **1.7214** | **18.2856** | **9.9889** | **0.0168** | | **0.9470** | **0.9470** | | **0.8713** | **0.8713** | | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0507 | 0.0394 | 0.3625 | 6.7000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 67.0029 | 67.0029 | 3.0400e-003 | | 67.0790 |
| **Total** | **0.0507** | **0.0394** | **0.3625** | **6.7000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **67.0029** | **67.0029** | **3.0400e-003** | | **67.0790** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7214 | 18.2856 | 9.9889 | 0.0168 | | 0.9470 | 0.9470 | | 0.8713 | 0.8713 | 0.0000 | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **1.7214** | **18.2856** | **9.9889** | **0.0168** | | **0.9470** | **0.9470** | | **0.8713** | **0.8713** | **0.0000** | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0507 | 0.0394 | 0.3625 | 6.7000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 67.0029 | 67.0029 | 3.0400e-003 | | 67.0790 |
| **Total** | **0.0507** | **0.0394** | **0.3625** | **6.7000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **67.0029** | **67.0029** | **3.0400e-003** | | **67.0790** |

## 3.5 Building Construction - 2018

### Unmitigated Construction On-Site

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

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0294 | 0.7024 | 0.2102 | 1.3400e-003 | 0.0337 | 6.2400e-003 | 0.0399 | 9.6800e-003 | 5.9700e-003 | 0.0157 | | 141.9050 | 141.9050 | 0.0103 | | 142.1619 |
| Worker | 0.7599 | 0.5902 | 5.4379 | 0.0101 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,005.0437 | 1,005.0437 | 0.0457 | | 1,006.1855 |
| **Total** | **0.7894** | **1.2926** | **5.6481** | **0.0115** | **1.0194** | **0.0145** | **1.0340** | **0.2712** | **0.0136** | **0.2848** | | **1,146.9487** | **1,146.9487** | **0.0560** | | **1,148.3474** |

### Mitigated Construction On-Site

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

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0294 | 0.7024 | 0.2102 | 1.3400e-003 | 0.0337 | 6.2400e-003 | 0.0399 | 9.6800e-003 | 5.9700e-003 | 0.0157 | | 141.9050 | 141.9050 | 0.0103 | | 142.1619 |
| Worker | 0.7599 | 0.5902 | 5.4379 | 0.0101 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,005.0437 | 1,005.0437 | 0.0457 | | 1,006.1855 |
| **Total** | **0.7894** | **1.2926** | **5.6481** | **0.0115** | **1.0194** | **0.0145** | **1.0340** | **0.2712** | **0.0136** | **0.2848** | | **1,146.9487** | **1,146.9487** | **0.0560** | | **1,148.3474** |

## 3.5 Building Construction - 2019

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0259 | 0.6637 | 0.1881 | 1.3300e-003 | 0.0337 | 5.2300e-003 | 0.0389 | 9.6800e-003 | 5.0000e-003 | 0.0147 | | 140.8389 | 140.8389 | 9.8800e-003 | | 141.0860 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.7151** | **1.1833** | **5.0064** | **0.0112** | **1.0194** | **0.0132** | **1.0326** | **0.2712** | **0.0124** | **0.2835** | | **1,116.7066** | **1,116.7066** | **0.0503** | | **1,117.9629** |

**Mitigated Construction On-Site**

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

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0259 | 0.6637 | 0.1881 | 1.3300e-003 | 0.0337 | 5.2300e-003 | 0.0389 | 9.6800e-003 | 5.0000e-003 | 0.0147 | | 140.8389 | 140.8389 | 9.8800e-003 | | 141.0860 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.7151** | **1.1833** | **5.0064** | **0.0112** | **1.0194** | **0.0132** | **1.0326** | **0.2712** | **0.0124** | **0.2835** | | **1,116.7066** | **1,116.7066** | **0.0503** | | **1,117.9629** |

## 3.6 Paving - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 4.5557 | 45.8497 | 44.2405 | 0.0680 | | 2.5846 | 2.5846 | | 2.3841 | 2.3841 | | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **5.1321** | **45.8497** | **44.2405** | **0.0680** | | **2.5846** | **2.5846** | | **2.3841** | **2.3841** | | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 4.5557 | 45.8497 | 44.2405 | 0.0680 | | 2.5846 | 2.5846 | | 2.3841 | 2.3841 | 0.0000 | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **5.1321** | **45.8497** | **44.2405** | **0.0680** | | **2.5846** | **2.5846** | | **2.3841** | **2.3841** | **0.0000** | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

## 3.7 Architectural Coating - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.5657** | **1.8354** | **1.8413** | **2.9700e-003** | | **0.1288** | **0.1288** | | **0.1288** | **0.1288** | | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | 0.0000 | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.5657** | **1.8354** | **1.8413** | **2.9700e-003** | | **0.1288** | **0.1288** | | **0.1288** | **0.1288** | **0.0000** | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

Improve Pedestrian Network

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4258 | 2.0880 | 4.9358 | 0.0116 | 0.9109 | 0.0194 | 0.9303 | 0.2443 | 0.0184 | 0.2627 | | 1,171.6660 | 1,171.6660 | 0.0614 | | 1,173.2014 |
| Unmitigated | 0.4290 | 2.1151 | 5.0030 | 0.0118 | 0.9294 | 0.0198 | 0.9492 | 0.2493 | 0.0187 | 0.2680 | | 1,194.1871 | 1,194.1871 | 0.0623 | | 1,195.7436 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Congregate Care (Assisted Living) | 188.65 | 156.31 | 173.46 | 420,025 | 411,625 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Parking Lot | 0.00 | 0.00 | 0.00 | | |
| Total | 188.65 | 156.31 | 173.46 | 420,025 | 411,625 |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Congregate Care (Assisted | 10.80 | 4.80 | 5.70 | 31.00 | 15.00 | 54.00 | 86 | 11 | 3 |
| Other Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |
| Parking Lot | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Other Non-Asphalt Surfaces | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Parking Lot | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |
| Congregate Care (Assisted Living) | 0.558294 | 0.043613 | 0.174269 | 0.117152 | 0.033155 | 0.007464 | 0.028029 | 0.025150 | 0.002984 | 0.002020 | 0.005725 | 0.000869 | 0.001276 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 9.8300e-003 | 0.0840 | 0.0357 | 5.4000e-004 | | 6.7900e-003 | 6.7900e-003 | | 6.7900e-003 | 6.7900e-003 | | 107.2008 | 107.2008 | 2.0500e-003 | 1.9700e-003 | 107.8378 |
| NaturalGas Unmitigated | 0.0160 | 0.1369 | 0.0583 | 8.7000e-004 | | 0.0111 | 0.0111 | | 0.0111 | 0.0111 | | 174.8217 | 174.8217 | 3.3500e-003 | 3.2100e-003 | 175.8606 |

### 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Congregate Care (Assisted Living) | 1485.98 | 0.0160 | 0.1369 | 0.0583 | 8.7000e-004 | | 0.0111 | 0.0111 | | 0.0111 | 0.0111 | | 174.8217 | 174.8217 | 3.3500e-003 | 3.2100e-003 | 175.8606 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0160** | **0.1369** | **0.0583** | **8.7000e-004** | | **0.0111** | **0.0111** | | **0.0111** | **0.0111** | | **174.8217** | **174.8217** | **3.3500e-003** | **3.2100e-003** | **175.8606** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Congregate Care (Assisted Living) | 0.911206 | 9.8300e-003 | 0.0840 | 0.0357 | 5.4000e-004 | | 6.7900e-003 | 6.7900e-003 | | 6.7900e-003 | 6.7900e-003 | | 107.2008 | 107.2008 | 2.0500e-003 | 1.9700e-003 | 107.8378 |
| Other Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Parking Lot | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **9.8300e-003** | **0.0840** | **0.0357** | **5.4000e-004** | | **6.7900e-003** | **6.7900e-003** | | **6.7900e-003** | **6.7900e-003** | | **107.2008** | **107.2008** | **2.0500e-003** | **1.9700e-003** | **107.8378** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use only Natural Gas Hearths

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 1.8444 | 0.0468 | 4.0399 | 2.1000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | | 7.2275 | 7.2275 | 7.0800e-003 | | 7.4045 |
| Unmitigated | 1.8461 | 0.0471 | 4.0693 | 2.1000e-004 | | 0.0223 | 0.0223 | | 0.0223 | 0.0223 | | 7.2933 | 7.2933 | 7.1800e-003 | | 7.4729 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2629 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.1250 | 0.0471 | 4.0693 | 2.1000e-004 | | 0.0223 | 0.0223 | | 0.0223 | 0.0223 | | 7.2933 | 7.2933 | 7.1800e-003 | | 7.4729 |
| **Total** | **1.8461** | **0.0471** | **4.0693** | **2.1000e-004** | | **0.0223** | **0.0223** | | **0.0223** | **0.0223** | | **7.2933** | **7.2933** | **7.1800e-003** | | **7.4729** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.2629 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 1.4583 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 0.1232 | 0.0468 | 4.0399 | 2.1000e-004 | | 0.0221 | 0.0221 | | 0.0221 | 0.0221 | | 7.2275 | 7.2275 | 7.0800e-003 | | 7.4045 |
| **Total** | **1.8444** | **0.0468** | **4.0399** | **2.1000e-004** | | **0.0221** | **0.0221** | | **0.0221** | **0.0221** | | **7.2275** | **7.2275** | **7.0800e-003** | | **7.4045** |

# 7.0 Water Detail

## 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

# 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Emerald Isle Tier IV Mitigated Construction

**Sonoma-San Francisco County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.53 | Acre | 0.53 | 0.00 | 0 |
| Other Non-Asphalt Surfaces | 1.53 | Acre | 1.53 | 0.00 | 0 |
| Parking Lot | 63.00 | Space | 0.57 | 0.00 | 0 |
| Congregate Care (Assisted Living) | 49.00 | Dwelling Unit | 1.51 | 68,144.00 | 140 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 75 |
| **Climate Zone** | 4 | | | **Operational Year** | 2019 |
| **Utility Company** | Pacific Gas & Electric Company | | | | |
| **CO2 Intensity (lb/MWhr)** | 641.35 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics - Emerald Isle Assisted Living Project - Tier IV Mitigated Construction

Land Use - Based on site plan and project description

Construction Phase - Adjusted based on input from the Project Applicant.
March 2018 start date, duration 12-15 months

Off-road Equipment - Equipment usage adjusted to conserve default horsepower hours

Off-road Equipment - Expected equipment for the underground utilities phase

Trips and VMT - At the peak of construction activities there would be 60 workers on-site

Grading - 29,304 cubic yards of material to be exported

Architectural Coating -

Vehicle Trips - Focused Traffic Study for the Emerald Isle Assisted Living Project prepared by W-Trans on May 10, 2017
ITE Trip Generation Manual, 9th Ed (ITE Code 254)

Construction Off-road Equipment Mitigation - Compliance with BAAQMD Best Management Practices threshold for fugitive dust
Tier 4 mitigation required for equipment >50 HP

Mobile Land Use Mitigation - Existing project site conditions

Energy Mitigation - 15% more efficient than 2016 Title 24

Water Mitigation - Green Building Code Standards

Waste Mitigation - Adopt a long-term waste diversion goal of a 70% diversion rate by 2015

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingValue | 0 | 100 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 0 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 16.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 8.00 | 45.00 |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 22.50 | 4.14 |
| tblGrading | MaterialExported | 0.00 | 29,304.00 |
| tblLandUse | BuildingSpaceSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LandUseSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LotAcreage | 3.06 | 1.51 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 5.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | UsageHours | 8.00 | 5.70 |
| tblProjectCharacteristics | OperationalYear | 2018 | 2019 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 68.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 120.00 |
| tblVehicleTrips | ST_TR | 2.20 | 3.19 |
| tblVehicleTrips | SU_TR | 2.44 | 3.54 |
| tblVehicleTrips | WD_TR | 2.74 | 3.85 |

# 2.0 Emissions Summary

## 2.1 Overall Construction

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 0.4038 | 3.8501 | 2.6225 | 5.7100e-003 | 0.2933 | 0.1876 | 0.4809 | 0.1291 | 0.1750 | 0.3041 | 0.0000 | 523.7007 | 523.7007 | 0.0932 | 0.0000 | 526.0299 |
| 2019 | 0.6210 | 1.0139 | 1.0502 | 1.8200e-003 | 0.0493 | 0.0592 | 0.1085 | 0.0132 | 0.0556 | 0.0688 | 0.0000 | 160.9505 | 160.9505 | 0.0296 | 0.0000 | 161.6913 |
| **Maximum** | **0.6210** | **3.8501** | **2.6225** | **5.7100e-003** | **0.2933** | **0.1876** | **0.4809** | **0.1291** | **0.1750** | **0.3041** | **0.0000** | **523.7007** | **523.7007** | **0.0932** | **0.0000** | **526.0299** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2018 | 0.1464 | 1.0121 | 2.6663 | 5.7100e-003 | 0.1919 | 0.0181 | 0.2100 | 0.0742 | 0.0179 | 0.0920 | 0.0000 | 523.7004 | 523.7004 | 0.0932 | 0.0000 | 526.0296 |
| 2019 | 0.5434 | 0.1776 | 1.0892 | 1.8200e-003 | 0.0493 | 6.5400e-003 | 0.0559 | 0.0132 | 6.5000e-003 | 0.0197 | 0.0000 | 160.9504 | 160.9504 | 0.0296 | 0.0000 | 161.6912 |
| **Maximum** | **0.5434** | **1.0121** | **2.6663** | **5.7100e-003** | **0.1919** | **0.0181** | **0.2100** | **0.0742** | **0.0179** | **0.0920** | **0.0000** | **523.7004** | **523.7004** | **0.0932** | **0.0000** | **526.0296** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **32.69** | **75.54** | **-2.26** | **0.00** | **29.62** | **90.02** | **54.90** | **38.60** | **89.43** | **70.04** | **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 | 3-1-2018 | 5-31-2018 | 1.5184 | 0.6905 |
| 2 | 6-1-2018 | 8-31-2018 | 0.6593 | 0.1305 |
| 3 | 9-1-2018 | 11-30-2018 | 1.0956 | 0.2207 |
| 4 | 12-1-2018 | 2-28-2019 | 1.0147 | 0.2131 |
| 5 | 3-1-2019 | 5-31-2019 | 0.9723 | 0.5642 |
| | | Highest | 1.5184 | 0.6905 |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 3/1/2018 | 3/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 3/8/2018 | 4/28/2018 | 6 | 45 | |
| 3 | Underground Utilities | Trenching | 4/29/2018 | 7/7/2018 | 6 | 60 | |
| 4 | Building Construction | Building Construction | 7/8/2018 | 4/2/2019 | 6 | 230 | |
| 5 | Paving | Paving | 4/3/2019 | 4/9/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 4/10/2019 | 5/3/2019 | 5 | 18 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4.14**

**Acres of Paving: 2.63**

**Residential Indoor: 137,992; Residential Outdoor: 45,997; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Underground Utilities | Excavators | 1 | 8.00 | 158 | 0.38 |
| Underground Utilities | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Underground Utilities | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 6 | 7.20 | 9 | 0.56 |
| Paving | Pavers | 4 | 7.20 | 130 | 0.42 |
| Paving | Paving Equipment | 6 | 7.20 | 132 | 0.36 |
| Paving | Rollers | 6 | 7.20 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 5 | 5.70 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 3,663.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Underground Utilities | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 120.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 27 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

## 3.2 Site Preparation - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0452 | 0.0000 | 0.0452 | 0.0248 | 0.0000 | 0.0248 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0114 | 0.1205 | 0.0562 | 1.0000e-004 | | 6.4400e-003 | 6.4400e-003 | | 5.9300e-003 | 5.9300e-003 | 0.0000 | 8.6900 | 8.6900 | 2.7100e-003 | 0.0000 | 8.7576 |
| **Total** | **0.0114** | **0.1205** | **0.0562** | **1.0000e-004** | **0.0452** | **6.4400e-003** | **0.0516** | **0.0248** | **5.9300e-003** | **0.0308** | **0.0000** | **8.6900** | **8.6900** | **2.7100e-003** | **0.0000** | **8.7576** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 2.0000e-004 | 1.9700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3457 | 0.3457 | 2.0000e-005 | 0.0000 | 0.3461 |
| **Total** | **2.6000e-004** | **2.0000e-004** | **1.9700e-003** | **0.0000** | **3.5000e-004** | **0.0000** | **3.6000e-004** | **9.0000e-005** | **0.0000** | **1.0000e-004** | **0.0000** | **0.3457** | **0.3457** | **2.0000e-005** | **0.0000** | **0.3461** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0112 | 0.0000 | 0.0112 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 1.1600e-003 | 5.0400e-003 | 0.0522 | 1.0000e-004 | | 1.6000e-004 | 1.6000e-004 | | 1.6000e-004 | 1.6000e-004 | 0.0000 | 8.6900 | 8.6900 | 2.7100e-003 | 0.0000 | 8.7576 |
| **Total** | **1.1600e-003** | **5.0400e-003** | **0.0522** | **1.0000e-004** | **0.0203** | **1.6000e-004** | **0.0205** | **0.0112** | **1.6000e-004** | **0.0113** | **0.0000** | **8.6900** | **8.6900** | **2.7100e-003** | **0.0000** | **8.7576** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.6000e-004 | 2.0000e-004 | 1.9700e-003 | 0.0000 | 3.5000e-004 | 0.0000 | 3.6000e-004 | 9.0000e-005 | 0.0000 | 1.0000e-004 | 0.0000 | 0.3457 | 0.3457 | 2.0000e-005 | 0.0000 | 0.3461 |
| **Total** | **2.6000e-004** | **2.0000e-004** | **1.9700e-003** | **0.0000** | **3.5000e-004** | **0.0000** | **3.6000e-004** | **9.0000e-005** | **0.0000** | **1.0000e-004** | **0.0000** | **0.3457** | **0.3457** | **2.0000e-005** | **0.0000** | **0.3461** |

## 3.3 Grading - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1394 | 0.0000 | 0.1394 | 0.0750 | 0.0000 | 0.0750 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0624 | 0.6901 | 0.3730 | 6.7000e-004 | | 0.0349 | 0.0349 | | 0.0321 | 0.0321 | 0.0000 | 60.9905 | 60.9905 | 0.0190 | 0.0000 | 61.4652 |
| **Total** | **0.0624** | **0.6901** | **0.3730** | **6.7000e-004** | **0.1394** | **0.0349** | **0.1743** | **0.0750** | **0.0321** | **0.1071** | **0.0000** | **60.9905** | **60.9905** | **0.0190** | **0.0000** | **61.4652** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0185 | 0.6290 | 0.1272 | 1.4800e-003 | 0.0304 | 3.4600e-003 | 0.0339 | 8.3300e-003 | 3.3100e-003 | 0.0116 | 0.0000 | 144.2187 | 144.2187 | 9.1700e-003 | 0.0000 | 144.4479 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.9300e-003 | 1.5000e-003 | 0.0148 | 3.0000e-005 | 2.6500e-003 | 2.0000e-005 | 2.6700e-003 | 7.1000e-004 | 2.0000e-005 | 7.3000e-004 | 0.0000 | 2.5929 | 2.5929 | 1.2000e-004 | 0.0000 | 2.5958 |
| **Total** | **0.0204** | **0.6305** | **0.1420** | **1.5100e-003** | **0.0330** | **3.4800e-003** | **0.0365** | **9.0400e-003** | **3.3300e-003** | **0.0124** | **0.0000** | **146.8116** | **146.8116** | **9.2900e-003** | **0.0000** | **147.0437** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | | | | | 0.0627 | 0.0000 | 0.0627 | 0.0337 | 0.0000 | 0.0337 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.1700e-003 | 0.0354 | 0.3994 | 6.7000e-004 | | 1.0900e-003 | 1.0900e-003 | | 1.0900e-003 | 1.0900e-003 | 0.0000 | 60.9904 | 60.9904 | 0.0190 | 0.0000 | 61.4651 |
| **Total** | **8.1700e-003** | **0.0354** | **0.3994** | **6.7000e-004** | **0.0627** | **1.0900e-003** | **0.0638** | **0.0337** | **1.0900e-003** | **0.0348** | **0.0000** | **60.9904** | **60.9904** | **0.0190** | **0.0000** | **61.4651** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0185 | 0.6290 | 0.1272 | 1.4800e-003 | 0.0304 | 3.4600e-003 | 0.0339 | 8.3300e-003 | 3.3100e-003 | 0.0116 | 0.0000 | 144.2187 | 144.2187 | 9.1700e-003 | 0.0000 | 144.4479 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.9300e-003 | 1.5000e-003 | 0.0148 | 3.0000e-005 | 2.6500e-003 | 2.0000e-005 | 2.6700e-003 | 7.1000e-004 | 2.0000e-005 | 7.3000e-004 | 0.0000 | 2.5929 | 2.5929 | 1.2000e-004 | 0.0000 | 2.5958 |
| **Total** | **0.0204** | **0.6305** | **0.1420** | **1.5100e-003** | **0.0330** | **3.4800e-003** | **0.0365** | **9.0400e-003** | **3.3300e-003** | **0.0124** | **0.0000** | **146.8116** | **146.8116** | **9.2900e-003** | **0.0000** | **147.0437** |

## 3.4 Underground Utilities - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0516 | 0.5486 | 0.2997 | 5.0000e-004 | | 0.0284 | 0.0284 | | 0.0261 | 0.0261 | 0.0000 | 46.0632 | 46.0632 | 0.0143 | 0.0000 | 46.4217 |
| **Total** | **0.0516** | **0.5486** | **0.2997** | **5.0000e-004** | | **0.0284** | **0.0284** | | **0.0261** | **0.0261** | **0.0000** | **46.0632** | **46.0632** | **0.0143** | **0.0000** | **46.4217** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.3700e-003 | 1.0700e-003 | 0.0105 | 2.0000e-005 | 1.8800e-003 | 2.0000e-005 | 1.9000e-003 | 5.0000e-004 | 2.0000e-005 | 5.2000e-004 | 0.0000 | 1.8439 | 1.8439 | 8.0000e-005 | 0.0000 | 1.8459 |
| **Total** | **1.3700e-003** | **1.0700e-003** | **0.0105** | **2.0000e-005** | **1.8800e-003** | **2.0000e-005** | **1.9000e-003** | **5.0000e-004** | **2.0000e-005** | **5.2000e-004** | **0.0000** | **1.8439** | **1.8439** | **8.0000e-005** | **0.0000** | **1.8459** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 6.1800e-003 | 0.0268 | 0.3028 | 5.0000e-004 | | 8.2000e-004 | 8.2000e-004 | | 8.2000e-004 | 8.2000e-004 | 0.0000 | 46.0632 | 46.0632 | 0.0143 | 0.0000 | 46.4217 |
| **Total** | **6.1800e-003** | **0.0268** | **0.3028** | **5.0000e-004** | | **8.2000e-004** | **8.2000e-004** | | **8.2000e-004** | **8.2000e-004** | **0.0000** | **46.0632** | **46.0632** | **0.0143** | **0.0000** | **46.4217** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.3700e-003 | 1.0700e-003 | 0.0105 | 2.0000e-005 | 1.8800e-003 | 2.0000e-005 | 1.9000e-003 | 5.0000e-004 | 2.0000e-005 | 5.2000e-004 | 0.0000 | 1.8439 | 1.8439 | 8.0000e-005 | 0.0000 | 1.8459 |
| **Total** | **1.3700e-003** | **1.0700e-003** | **0.0105** | **2.0000e-005** | **1.8800e-003** | **2.0000e-005** | **1.9000e-003** | **5.0000e-004** | **2.0000e-005** | **5.2000e-004** | **0.0000** | **1.8439** | **1.8439** | **8.0000e-005** | **0.0000** | **1.8459** |

## 3.5 Building Construction - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.2023 | 1.7660 | 1.3273 | 2.0300e-003 | | 0.1132 | 0.1132 | | 0.1065 | 0.1065 | 0.0000 | 179.5143 | 179.5143 | 0.0440 | 0.0000 | 180.6138 |
| **Total** | **0.2023** | **1.7660** | **1.3273** | **2.0300e-003** | | **0.1132** | **0.1132** | | **0.1065** | **0.1065** | **0.0000** | **179.5143** | **179.5143** | **0.0440** | **0.0000** | **180.6138** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.1600e-003 | 0.0529 | 0.0148 | 1.0000e-004 | 2.4500e-003 | 4.7000e-004 | 2.9100e-003 | 7.1000e-004 | 4.5000e-004 | 1.1500e-003 | 0.0000 | 9.8361 | 9.8361 | 6.7000e-004 | 0.0000 | 9.8529 |
| Worker | 0.0519 | 0.0403 | 0.3970 | 7.7000e-004 | 0.0711 | 6.3000e-004 | 0.0717 | 0.0189 | 5.8000e-004 | 0.0195 | 0.0000 | 69.6055 | 69.6055 | 3.1000e-003 | 0.0000 | 69.6830 |
| **Total** | **0.0540** | **0.0932** | **0.4118** | **8.7000e-004** | **0.0736** | **1.1000e-003** | **0.0746** | **0.0196** | **1.0300e-003** | **0.0207** | **0.0000** | **79.4416** | **79.4416** | **3.7700e-003** | **0.0000** | **79.5359** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0548 | 0.2199 | 1.3456 | 2.0300e-003 | | 0.0114 | 0.0114 | | 0.0114 | 0.0114 | 0.0000 | 179.5141 | 179.5141 | 0.0440 | 0.0000 | 180.6136 |
| **Total** | **0.0548** | **0.2199** | **1.3456** | **2.0300e-003** | | **0.0114** | **0.0114** | | **0.0114** | **0.0114** | **0.0000** | **179.5141** | **179.5141** | **0.0440** | **0.0000** | **180.6136** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.1600e-003 | 0.0529 | 0.0148 | 1.0000e-004 | 2.4500e-003 | 4.7000e-004 | 2.9100e-003 | 7.1000e-004 | 4.5000e-004 | 1.1500e-003 | 0.0000 | 9.8361 | 9.8361 | 6.7000e-004 | 0.0000 | 9.8529 |
| Worker | 0.0519 | 0.0403 | 0.3970 | 7.7000e-004 | 0.0711 | 6.3000e-004 | 0.0717 | 0.0189 | 5.8000e-004 | 0.0195 | 0.0000 | 69.6055 | 69.6055 | 3.1000e-003 | 0.0000 | 69.6830 |
| **Total** | **0.0540** | **0.0932** | **0.4118** | **8.7000e-004** | **0.0736** | **1.1000e-003** | **0.0746** | **0.0196** | **1.0300e-003** | **0.0207** | **0.0000** | **79.4416** | **79.4416** | **3.7700e-003** | **0.0000** | **79.5359** |

## 3.5 Building Construction - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0933 | 0.8326 | 0.6780 | 1.0600e-003 | | 0.0510 | 0.0510 | | 0.0479 | 0.0479 | 0.0000 | 92.8662 | 92.8662 | 0.0226 | 0.0000 | 93.4317 |
| **Total** | **0.0933** | **0.8326** | **0.6780** | **1.0600e-003** | | **0.0510** | **0.0510** | | **0.0479** | **0.0479** | **0.0000** | **92.8662** | **92.8662** | **0.0226** | **0.0000** | **93.4317** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 9.9000e-004 | 0.0262 | 6.9300e-003 | 5.0000e-005 | 1.2800e-003 | 2.0000e-004 | 1.4800e-003 | 3.7000e-004 | 1.9000e-004 | 5.7000e-004 | 0.0000 | 5.1085 | 5.1085 | 3.4000e-004 | 0.0000 | 5.1170 |
| Worker | 0.0246 | 0.0186 | 0.1844 | 3.9000e-004 | 0.0372 | 3.1000e-004 | 0.0375 | 9.9000e-003 | 2.9000e-004 | 0.0102 | 0.0000 | 35.3595 | 35.3595 | 1.4300e-003 | 0.0000 | 35.3954 |
| **Total** | **0.0256** | **0.0447** | **0.1914** | **4.4000e-004** | **0.0385** | **5.1000e-004** | **0.0390** | **0.0103** | **4.8000e-004** | **0.0108** | **0.0000** | **40.4680** | **40.4680** | **1.7700e-003** | **0.0000** | **40.5124** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.0264 | 0.1128 | 0.7019 | 1.0600e-003 | | 5.4300e-003 | 5.4300e-003 | | 5.4300e-003 | 5.4300e-003 | 0.0000 | 92.8661 | 92.8661 | 0.0226 | 0.0000 | 93.4316 |
| **Total** | **0.0264** | **0.1128** | **0.7019** | **1.0600e-003** | | **5.4300e-003** | **5.4300e-003** | | **5.4300e-003** | **5.4300e-003** | **0.0000** | **92.8661** | **92.8661** | **0.0226** | **0.0000** | **93.4316** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 9.9000e-004 | 0.0262 | 6.9300e-003 | 5.0000e-005 | 1.2800e-003 | 2.0000e-004 | 1.4800e-003 | 3.7000e-004 | 1.9000e-004 | 5.7000e-004 | 0.0000 | 5.1085 | 5.1085 | 3.4000e-004 | 0.0000 | 5.1170 |
| Worker | 0.0246 | 0.0186 | 0.1844 | 3.9000e-004 | 0.0372 | 3.1000e-004 | 0.0375 | 9.9000e-003 | 2.9000e-004 | 0.0102 | 0.0000 | 35.3595 | 35.3595 | 1.4300e-003 | 0.0000 | 35.3954 |
| **Total** | **0.0256** | **0.0447** | **0.1914** | **4.4000e-004** | **0.0385** | **5.1000e-004** | **0.0390** | **0.0103** | **4.8000e-004** | **0.0108** | **0.0000** | **40.4680** | **40.4680** | **1.7700e-003** | **0.0000** | **40.5124** |

## 3.6 Paving - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0114 | 0.1146 | 0.1106 | 1.7000e-004 | | 6.4600e-003 | 6.4600e-003 | | 5.9600e-003 | 5.9600e-003 | 0.0000 | 15.0239 | 15.0239 | 4.6200e-003 | 0.0000 | 15.1395 |
| Paving | 1.4400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0128** | **0.1146** | **0.1106** | **1.7000e-004** | | **6.4600e-003** | **6.4600e-003** | | **5.9600e-003** | **5.9600e-003** | **0.0000** | **15.0239** | **15.0239** | **4.6200e-003** | **0.0000** | **15.1395** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.5600e-003 | 1.1700e-003 | 0.0117 | 2.0000e-005 | 2.3500e-003 | 2.0000e-005 | 2.3700e-003 | 6.3000e-004 | 2.0000e-005 | 6.5000e-004 | 0.0000 | 2.2379 | 2.2379 | 9.0000e-005 | 0.0000 | 2.2402 |
| **Total** | **1.5600e-003** | **1.1700e-003** | **0.0117** | **2.0000e-005** | **2.3500e-003** | **2.0000e-005** | **2.3700e-003** | **6.3000e-004** | **2.0000e-005** | **6.5000e-004** | **0.0000** | **2.2379** | **2.2379** | **9.0000e-005** | **0.0000** | **2.2402** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 2.7600e-003 | 0.0135 | 0.1257 | 1.7000e-004 | | 4.6000e-004 | 4.6000e-004 | | 4.6000e-004 | 4.6000e-004 | 0.0000 | 15.0239 | 15.0239 | 4.6200e-003 | 0.0000 | 15.1395 |
| Paving | 1.4400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **4.2000e-003** | **0.0135** | **0.1257** | **1.7000e-004** | | **4.6000e-004** | **4.6000e-004** | | **4.6000e-004** | **4.6000e-004** | **0.0000** | **15.0239** | **15.0239** | **4.6200e-003** | **0.0000** | **15.1395** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 1.5600e-003 | 1.1700e-003 | 0.0117 | 2.0000e-005 | 2.3500e-003 | 2.0000e-005 | 2.3700e-003 | 6.3000e-004 | 2.0000e-005 | 6.5000e-004 | 0.0000 | 2.2379 | 2.2379 | 9.0000e-005 | 0.0000 | 2.2402 |
| **Total** | **1.5600e-003** | **1.1700e-003** | **0.0117** | **2.0000e-005** | **2.3500e-003** | **2.0000e-005** | **2.3700e-003** | **6.3000e-004** | **2.0000e-005** | **6.5000e-004** | **0.0000** | **2.2379** | **2.2379** | **9.0000e-005** | **0.0000** | **2.2402** |

## 3.7 Architectural Coating - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 0.4797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.4000e-003 | 0.0165 | 0.0166 | 3.0000e-005 | | 1.1600e-003 | 1.1600e-003 | | 1.1600e-003 | 1.1600e-003 | 0.0000 | 2.2979 | 2.2979 | 1.9000e-004 | 0.0000 | 2.3028 |
| **Total** | **0.4821** | **0.0165** | **0.0166** | **3.0000e-005** | | **1.1600e-003** | **1.1600e-003** | | **1.1600e-003** | **1.1600e-003** | **0.0000** | **2.2979** | **2.2979** | **1.9000e-004** | **0.0000** | **2.3028** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 5.6100e-003 | 4.2300e-003 | 0.0420 | 9.0000e-005 | 8.4800e-003 | 7.0000e-005 | 8.5500e-003 | 2.2600e-003 | 7.0000e-005 | 2.3200e-003 | 0.0000 | 8.0566 | 8.0566 | 3.3000e-004 | 0.0000 | 8.0648 |
| **Total** | **5.6100e-003** | **4.2300e-003** | **0.0420** | **9.0000e-005** | **8.4800e-003** | **7.0000e-005** | **8.5500e-003** | **2.2600e-003** | **7.0000e-005** | **2.3200e-003** | **0.0000** | **8.0566** | **8.0566** | **3.3000e-004** | **0.0000** | **8.0648** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 0.4797 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.7000e-004 | 1.1600e-003 | 0.0165 | 3.0000e-005 | | 4.0000e-005 | 4.0000e-005 | | 4.0000e-005 | 4.0000e-005 | 0.0000 | 2.2979 | 2.2979 | 1.9000e-004 | 0.0000 | 2.3028 |
| **Total** | **0.4800** | **1.1600e-003** | **0.0165** | **3.0000e-005** | | **4.0000e-005** | **4.0000e-005** | | **4.0000e-005** | **4.0000e-005** | **0.0000** | **2.2979** | **2.2979** | **1.9000e-004** | **0.0000** | **2.3028** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 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 | 5.6100e-003 | 4.2300e-003 | 0.0420 | 9.0000e-005 | 8.4800e-003 | 7.0000e-005 | 8.5500e-003 | 2.2600e-003 | 7.0000e-005 | 2.3200e-003 | 0.0000 | 8.0566 | 8.0566 | 3.3000e-004 | 0.0000 | 8.0648 |
| **Total** | **5.6100e-003** | **4.2300e-003** | **0.0420** | **9.0000e-005** | **8.4800e-003** | **7.0000e-005** | **8.5500e-003** | **2.2600e-003** | **7.0000e-005** | **2.3200e-003** | **0.0000** | **8.0566** | **8.0566** | **3.3000e-004** | **0.0000** | **8.0648** |

# Emerald Isle Tier IV Mitigated Construction

**Sonoma-San Francisco County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.53 | Acre | 0.53 | 0.00 | 0 |
| Other Non-Asphalt Surfaces | 1.53 | Acre | 1.53 | 0.00 | 0 |
| Parking Lot | 63.00 | Space | 0.57 | 0.00 | 0 |
| Congregate Care (Assisted Living) | 49.00 | Dwelling Unit | 1.51 | 68,144.00 | 140 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 75 |
| **Climate Zone** | 4 | | | **Operational Year** | 2019 |
| **Utility Company** | Pacific Gas & Electric Company | | | | |
| **CO2 Intensity (lb/MWhr)** | 641.35 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics - Emerald Isle Assisted Living Project - Tier IV Mitigated Construction

Land Use - Based on site plan and project description

Construction Phase - Adjusted based on input from the Project Applicant.
March 2018 start date, duration 12-15 months

Off-road Equipment - Equipment usage adjusted to conserve default horsepower hours

Off-road Equipment - Expected equipment for the underground utilities phase

Trips and VMT - At the peak of construction activities there would be 60 workers on-site

Grading - 29,304 cubic yards of material to be exported

Vehicle Trips - Focused Traffic Study for the Emerald Isle Assisted Living Project prepared by W-Trans on May 10, 2017
ITE Trip Generation Manual, 9th Ed (ITE Code 254)

Construction Off-road Equipment Mitigation - Compliance with BAAQMD Best Management Practices threshold for fugitive dust
Tier 4 mitigation required for equipment >50 HP

Mobile Land Use Mitigation - Existing project site conditions

Energy Mitigation - 15% more efficient than 2016 Title 24

Water Mitigation - Green Building Code Standards

Waste Mitigation - Adopt a long-term waste diversion goal of a 70% diversion rate by 2015

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingValue | 0 | 100 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 0 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 16.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstructionPhase | NumDays | 8.00 | 45.00 |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 22.50 | 4.14 |
| tblGrading | MaterialExported | 0.00 | 29,304.00 |
| tblLandUse | BuildingSpaceSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LandUseSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LotAcreage | 3.06 | 1.51 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 5.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | UsageHours | 8.00 | 5.70 |
| tblProjectCharacteristics | OperationalYear | 2018 | 2019 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 68.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 120.00 |
| tblVehicleTrips | ST_TR | 2.20 | 3.19 |
| tblVehicleTrips | SU_TR | 2.44 | 3.54 |
| tblVehicleTrips | WD_TR | 2.74 | 3.85 |

# 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 4.6682 | 58.1622 | 23.3040 | 0.0972 | 18.2141 | 2.5782 | 20.7923 | 9.9699 | 2.3719 | 12.3418 | 0.0000 | 10,226.9197 | 10,226.9197 | 1.3757 | 0.0000 | 10,261.3121 |
| 2019 | 54.2044 | 46.2690 | 49.1527 | 0.0786 | 1.0194 | 2.5926 | 3.5783 | 0.2712 | 2.3914 | 2.6529 | 0.0000 | 7,674.4080 | 7,674.4080 | 2.0796 | 0.0000 | 7,726.3987 |
| **Maximum** | **54.2044** | **58.1622** | **49.1527** | **0.0972** | **18.2141** | **2.5926** | **20.7923** | **9.9699** | **2.3914** | **12.3418** | **0.0000** | **10,226.9197** | **10,226.9197** | **2.0796** | **0.0000** | **10,261.3121** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 1.4567 | 29.0634 | 23.9154 | 0.0972 | 8.2777 | 0.2015 | 8.3410 | 4.5080 | 0.1948 | 4.5713 | 0.0000 | 10,226.9197 | 10,226.9197 | 1.3757 | 0.0000 | 10,261.3121 |
| 2019 | 53.9676 | 5.8246 | 55.2059 | 0.0786 | 1.0194 | 0.1909 | 1.1766 | 0.2712 | 0.1903 | 0.4517 | 0.0000 | 7,674.4080 | 7,674.4080 | 2.0796 | 0.0000 | 7,726.3987 |
| **Maximum** | **53.9676** | **29.0634** | **55.2059** | **0.0972** | **8.2777** | **0.2015** | **8.3410** | **4.5080** | **0.1948** | **4.5713** | **0.0000** | **10,226.9197** | **10,226.9197** | **2.0796** | **0.0000** | **10,261.3121** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **5.86** | **66.59** | **-9.20** | **0.00** | **51.66** | **92.41** | **60.95** | **53.33** | **91.92** | **66.50** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 3/1/2018 | 3/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 3/8/2018 | 4/28/2018 | 6 | 45 | |
| 3 | Underground Utilities | Trenching | 4/29/2018 | 7/7/2018 | 6 | 60 | |
| 4 | Building Construction | Building Construction | 7/8/2018 | 4/2/2019 | 6 | 230 | |
| 5 | Paving | Paving | 4/3/2019 | 4/9/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 4/10/2019 | 5/3/2019 | 5 | 18 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4.14**

**Acres of Paving: 2.63**

**Residential Indoor: 137,992; Residential Outdoor: 45,997; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Underground Utilities | Excavators | 1 | 8.00 | 158 | 0.38 |
| Underground Utilities | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Underground Utilities | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |

| | | | | | |
|---|---|---|---|---|---|
| Paving | Cement and Mortar Mixers | 6 | 7.20 | 9 | 0.56 |
| Paving | Pavers | 4 | 7.20 | 130 | 0.42 |
| Paving | Paving Equipment | 6 | 7.20 | 132 | 0.36 |
| Paving | Rollers | 6 | 7.20 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 5 | 5.70 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 3,663.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Underground Utilities | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 120.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 27 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

## 3.2 Site Preparation - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5627 | 48.1988 | 22.4763 | 0.0380 | | 2.5769 | 2.5769 | | 2.3708 | 2.3708 | | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **4.5627** | **48.1988** | **22.4763** | **0.0380** | **18.0663** | **2.5769** | **20.6432** | **9.9307** | **2.3708** | **12.3014** | | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1054 | 0.0715 | 0.8277 | 1.6300e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 162.1839 | 162.1839 | 7.0600e-003 | | 162.3603 |
| **Total** | **0.1054** | **0.0715** | **0.8277** | **1.6300e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **162.1839** | **162.1839** | **7.0600e-003** | | **162.3603** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4656 | 2.0175 | 20.8690 | 0.0380 | | 0.0621 | 0.0621 | | 0.0621 | 0.0621 | 0.0000 | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **0.4656** | **2.0175** | **20.8690** | **0.0380** | **8.1298** | **0.0621** | **8.1919** | **4.4688** | **0.0621** | **4.5309** | **0.0000** | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1054 | 0.0715 | 0.8277 | 1.6300e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 162.1839 | 162.1839 | 7.0600e-003 | | 162.3603 |
| **Total** | **0.1054** | **0.0715** | **0.8277** | **1.6300e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **162.1839** | **162.1839** | **7.0600e-003** | | **162.3603** |

## 3.3 Grading - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1933 | 0.0000 | 6.1933 | 3.3319 | 0.0000 | 3.3319 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7733 | 30.6725 | 16.5770 | 0.0297 | | 1.5513 | 1.5513 | | 1.4272 | 1.4272 | | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **2.7733** | **30.6725** | **16.5770** | **0.0297** | **6.1933** | **1.5513** | **7.7446** | **3.3319** | **1.4272** | **4.7591** | | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8111 | 27.4301 | 5.4730 | 0.0662 | 1.4061 | 0.1520 | 1.5581 | 0.3839 | 0.1454 | 0.5293 | | 7,103.7449 | 7,103.7449 | 0.4396 | | 7,114.7350 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0879 | 0.0596 | 0.6897 | 1.3600e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 135.1532 | 135.1532 | 5.8800e-003 | | 135.3003 |
| **Total** | **0.8990** | **27.4897** | **6.1627** | **0.0676** | **1.5293** | **0.1530** | **1.6823** | **0.4166** | **0.1464** | **0.5630** | | **7,238.8981** | **7,238.8981** | **0.4455** | | **7,250.0352** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7870 | 0.0000 | 2.7870 | 1.4994 | 0.0000 | 1.4994 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.3632 | 1.5737 | 17.7527 | 0.0297 | | 0.0484 | 0.0484 | | 0.0484 | 0.0484 | 0.0000 | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **0.3632** | **1.5737** | **17.7527** | **0.0297** | **2.7870** | **0.0484** | **2.8354** | **1.4994** | **0.0484** | **1.5478** | **0.0000** | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8111 | 27.4301 | 5.4730 | 0.0662 | 1.4061 | 0.1520 | 1.5581 | 0.3839 | 0.1454 | 0.5293 | | 7,103.7449 | 7,103.7449 | 0.4396 | | 7,114.7350 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0879 | 0.0596 | 0.6897 | 1.3600e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 135.1532 | 135.1532 | 5.8800e-003 | | 135.3003 |
| **Total** | **0.8990** | **27.4897** | **6.1627** | **0.0676** | **1.5293** | **0.1530** | **1.6823** | **0.4166** | **0.1464** | **0.5630** | | **7,238.8981** | **7,238.8981** | **0.4455** | | **7,250.0352** |

## 3.4 Underground Utilities - 2018

## Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7214 | 18.2856 | 9.9889 | 0.0168 | | 0.9470 | 0.9470 | | 0.8713 | 0.8713 | | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **1.7214** | **18.2856** | **9.9889** | **0.0168** | | **0.9470** | **0.9470** | | **0.8713** | **0.8713** | | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0469 | 0.0318 | 0.3679 | 7.3000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 72.0817 | 72.0817 | 3.1400e-003 | | 72.1601 |
| **Total** | **0.0469** | **0.0318** | **0.3679** | **7.3000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **72.0817** | **72.0817** | **3.1400e-003** | | **72.1601** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.2061 | 0.8930 | 10.0937 | 0.0168 | | 0.0275 | 0.0275 | | 0.0275 | 0.0275 | 0.0000 | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **0.2061** | **0.8930** | **10.0937** | **0.0168** | | **0.0275** | **0.0275** | | **0.0275** | **0.0275** | **0.0000** | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0469 | 0.0318 | 0.3679 | 7.3000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 72.0817 | 72.0817 | 3.1400e-003 | | 72.1601 |
| **Total** | **0.0469** | **0.0318** | **0.3679** | **7.3000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **72.0817** | **72.0817** | **3.1400e-003** | | **72.1601** |

## 3.5 Building Construction - 2018

### Unmitigated Construction On-Site

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

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0280 | 0.6915 | 0.1847 | 1.3600e-003 | 0.0337 | 6.1100e-003 | 0.0398 | 9.6800e-003 | 5.8400e-003 | 0.0155 | | 144.8429 | 144.8429 | 9.5000e-003 | | 145.0804 |
| Worker | 0.7029 | 0.4766 | 5.5178 | 0.0109 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,081.2257 | 1,081.2257 | 0.0471 | | 1,082.4021 |
| **Total** | **0.7309** | **1.1680** | **5.7026** | **0.0122** | **1.0194** | **0.0144** | **1.0338** | **0.2712** | **0.0135** | **0.2846** | | **1,226.0686** | **1,226.0686** | **0.0566** | | **1,227.4824** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7258 | 2.9127 | 17.8224 | 0.0269 | | 0.1514 | 0.1514 | | 0.1514 | 0.1514 | 0.0000 | 2,620.9351 | 2,620.9351 | 0.6421 | | 2,636.9883 |
| **Total** | **0.7258** | **2.9127** | **17.8224** | **0.0269** | | **0.1514** | **0.1514** | | **0.1514** | **0.1514** | **0.0000** | **2,620.9351** | **2,620.9351** | **0.6421** | | **2,636.9883** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0280 | 0.6915 | 0.1847 | 1.3600e-003 | 0.0337 | 6.1100e-003 | 0.0398 | 9.6800e-003 | 5.8400e-003 | 0.0155 | | 144.8429 | 144.8429 | 9.5000e-003 | | 145.0804 |
| Worker | 0.7029 | 0.4766 | 5.5178 | 0.0109 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,081.2257 | 1,081.2257 | 0.0471 | | 1,082.4021 |
| **Total** | **0.7309** | **1.1680** | **5.7026** | **0.0122** | **1.0194** | **0.0144** | **1.0338** | **0.2712** | **0.0135** | **0.2846** | | **1,226.0686** | **1,226.0686** | **0.0566** | | **1,227.4824** |

## 3.5 Building Construction - 2019

### Unmitigated Construction On-Site

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

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0246 | 0.6543 | 0.1651 | 1.3500e-003 | 0.0337 | 5.1100e-003 | 0.0388 | 9.6800e-003 | 4.8900e-003 | 0.0146 | | 143.8107 | 143.8107 | 9.1400e-003 | | 144.0392 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6633** | **1.0736** | **5.0774** | **0.0119** | **1.0194** | **0.0131** | **1.0325** | **0.2712** | **0.0122** | **0.2834** | | **1,193.8028** | **1,193.8028** | **0.0509** | | **1,195.0743** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6692 | 2.8550 | 17.7706 | 0.0269 | | 0.1375 | 0.1375 | | 0.1375 | 0.1375 | 0.0000 | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |
| **Total** | **0.6692** | **2.8550** | **17.7706** | **0.0269** | | **0.1375** | **0.1375** | | **0.1375** | **0.1375** | **0.0000** | **2,591.5802** | **2,591.5802** | **0.6313** | | **2,607.3635** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0246 | 0.6543 | 0.1651 | 1.3500e-003 | 0.0337 | 5.1100e-003 | 0.0388 | 9.6800e-003 | 4.8900e-003 | 0.0146 | | 143.8107 | 143.8107 | 9.1400e-003 | | 144.0392 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6633** | **1.0736** | **5.0774** | **0.0119** | **1.0194** | **0.0131** | **1.0325** | **0.2712** | **0.0122** | **0.2834** | | **1,193.8028** | **1,193.8028** | **0.0509** | | **1,195.0743** |

## 3.6 Paving - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 4.5557 | 45.8497 | 44.2405 | 0.0680 | | 2.5846 | 2.5846 | | 2.3841 | 2.3841 | | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **5.1321** | **45.8497** | **44.2405** | **0.0680** | | **2.5846** | **2.5846** | | **2.3841** | **2.3841** | | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1059 | 5.4053 | 50.2936 | 0.0680 | | 0.1829 | 0.1829 | | 0.1829 | 0.1829 | 0.0000 | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.6823** | **5.4053** | **50.2936** | **0.0680** | | **0.1829** | **0.1829** | | **0.1829** | **0.1829** | **0.0000** | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

## 3.7 Architectural Coating - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.5657** | **1.8354** | **1.8413** | **2.9700e-003** | | **0.1288** | **0.1288** | | **0.1288** | **0.1288** | | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.3290** | **0.1288** | **1.8324** | **2.9700e-003** | | **3.9600e-003** | **3.9600e-003** | | **3.9600e-003** | **3.9600e-003** | **0.0000** | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6386 | 0.4193 | 4.9123 | 0.0106 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 1,049.9921 | 1,049.9921 | 0.0417 | | 1,051.0351 |
| **Total** | **0.6386** | **0.4193** | **4.9123** | **0.0106** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **1,049.9921** | **1,049.9921** | **0.0417** | | **1,051.0351** |

# Emerald Isle Tier IV Mitigated Construction

**Sonoma-San Francisco County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.53 | Acre | 0.53 | 0.00 | 0 |
| Other Non-Asphalt Surfaces | 1.53 | Acre | 1.53 | 0.00 | 0 |
| Parking Lot | 63.00 | Space | 0.57 | 0.00 | 0 |
| Congregate Care (Assisted Living) | 49.00 | Dwelling Unit | 1.51 | 68,144.00 | 140 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.2 | **Precipitation Freq (Days)** | 75 |
| **Climate Zone** | 4 | | | **Operational Year** | 2019 |
| **Utility Company** | Pacific Gas & Electric Company | | | | |
| **CO2 Intensity (lb/MWhr)** | 641.35 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

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

Project Characteristics - Emerald Isle Assisted Living Project - Tier IV Mitigated Construction

Land Use - Based on site plan and project description

Construction Phase - Adjusted based on input from the Project Applicant.
March 2018 start date, duration 12-15 months

Off-road Equipment - Equipment usage adjusted to conserve default horsepower hours

Off-road Equipment - Expected equipment for the underground utilities phase

Trips and VMT - At the peak of construction activities there would be 60 workers on-site

Grading - 29,304 cubic yards of material to be exported

Vehicle Trips - Focused Traffic Study for the Emerald Isle Assisted Living Project prepared by W-Trans on May 10, 2017
ITE Trip Generation Manual, 9th Ed (ITE Code 254)

Construction Off-road Equipment Mitigation - Compliance with BAAQMD Best Management Practices threshold for fugitive dust
Tier 4 mitigation required for equipment >50 HP

Mobile Land Use Mitigation - Existing project site conditions

Energy Mitigation - 15% more efficient than 2016 Title 24

Water Mitigation - Green Building Code Standards

Waste Mitigation - Adopt a long-term waste diversion goal of a 70% diversion rate by 2015

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaMitigation | UseLowVOCPaintParkingValue | 0 | 100 |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 40 | 0 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 2.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 3.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 1.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 4.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 6.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 5.00 |
| tblConstEquipMitigation | NumberOfEquipmentMitigated | 0.00 | 16.00 |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |
| tblConstEquipMitigation | Tier | No Change | Tier 4 Final |

| | | | |
|---|---|---|---|
| tblConstructionPhase | NumDays | 8.00 | 45.00 |
| tblConstructionPhase | NumDays | 18.00 | 5.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblConstructionPhase | NumDaysWeek | 5.00 | 6.00 |
| tblGrading | AcresOfGrading | 22.50 | 4.14 |
| tblGrading | MaterialExported | 0.00 | 29,304.00 |
| tblLandUse | BuildingSpaceSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | BuildingSpaceSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LandUseSquareFeet | 23,086.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 66,646.80 | 0.00 |
| tblLandUse | LandUseSquareFeet | 25,200.00 | 0.00 |
| tblLandUse | LandUseSquareFeet | 49,000.00 | 68,144.00 |
| tblLandUse | LotAcreage | 3.06 | 1.51 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 4.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 6.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 5.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 0.00 | 1.00 |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | PhaseName | | Underground Utilities |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |

| | | | |
|---|---|---|---|
| tblOffRoadEquipment | UsageHours | 6.00 | 7.20 |
| tblOffRoadEquipment | UsageHours | 8.00 | 5.70 |
| tblProjectCharacteristics | OperationalYear | 2018 | 2019 |
| tblTripsAndVMT | WorkerTripNumber | 35.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 68.00 | 120.00 |
| tblTripsAndVMT | WorkerTripNumber | 7.00 | 120.00 |
| tblVehicleTrips | ST_TR | 2.20 | 3.19 |
| tblVehicleTrips | SU_TR | 2.44 | 3.54 |
| tblVehicleTrips | WD_TR | 2.74 | 3.85 |

# 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 4.6767 | 58.9094 | 23.2920 | 0.0963 | 18.2141 | 2.5782 | 20.7923 | 9.9699 | 2.3719 | 12.3418 | 0.0000 | 10,126.3553 | 10,126.3553 | 1.3978 | 0.0000 | 10,161.2993 |
| 2019 | 54.2550 | 46.3693 | 49.0588 | 0.0778 | 1.0194 | 2.5926 | 3.5783 | 0.2712 | 2.3914 | 2.6529 | 0.0000 | 7,600.2836 | 7,600.2836 | 2.0783 | 0.0000 | 7,652.2406 |
| **Maximum** | **54.2550** | **58.9094** | **49.0588** | **0.0963** | **18.2141** | **2.5926** | **20.7923** | **9.9699** | **2.3914** | **12.3418** | **0.0000** | **10,126.3553** | **10,126.3553** | **2.0783** | **0.0000** | **10,161.2993** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2018 | 1.5151 | 29.8105 | 24.3480 | 0.0963 | 8.2777 | 0.2052 | 8.3410 | 4.5080 | 0.1984 | 4.5713 | 0.0000 | 10,126.3553 | 10,126.3553 | 1.3978 | 0.0000 | 10,161.2993 |
| 2019 | 54.0183 | 5.9249 | 55.1119 | 0.0778 | 1.0194 | 0.1909 | 1.1766 | 0.2712 | 0.1903 | 0.4517 | 0.0000 | 7,600.2836 | 7,600.2836 | 2.0783 | 0.0000 | 7,652.2406 |
| **Maximum** | **54.0183** | **29.8105** | **55.1119** | **0.0963** | **8.2777** | **0.2052** | **8.3410** | **4.5080** | **0.1984** | **4.5713** | **0.0000** | **10,126.3553** | **10,126.3553** | **2.0783** | **0.0000** | **10,161.2993** |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N20 | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Percent Reduction** | **5.77** | **66.06** | **-9.83** | **0.00** | **51.66** | **92.34** | **60.95** | **53.33** | **91.84** | **66.50** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** |

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Site Preparation | Site Preparation | 3/1/2018 | 3/7/2018 | 5 | 5 | |
| 2 | Grading | Grading | 3/8/2018 | 4/28/2018 | 6 | 45 | |
| 3 | Underground Utilities | Trenching | 4/29/2018 | 7/7/2018 | 6 | 60 | |
| 4 | Building Construction | Building Construction | 7/8/2018 | 4/2/2019 | 6 | 230 | |
| 5 | Paving | Paving | 4/3/2019 | 4/9/2019 | 5 | 5 | |
| 6 | Architectural Coating | Architectural Coating | 4/10/2019 | 5/3/2019 | 5 | 18 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 4.14**

**Acres of Paving: 2.63**

**Residential Indoor: 137,992; Residential Outdoor: 45,997; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

## OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 1 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 3 | 8.00 | 97 | 0.37 |
| Underground Utilities | Excavators | 1 | 8.00 | 158 | 0.38 |
| Underground Utilities | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Underground Utilities | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 6 | 7.20 | 9 | 0.56 |
| Paving | Pavers | 4 | 7.20 | 130 | 0.42 |
| Paving | Paving Equipment | 6 | 7.20 | 132 | 0.36 |
| Paving | Rollers | 6 | 7.20 | 80 | 0.38 |
| Paving | Tractors/Loaders/Backhoes | 5 | 5.70 | 97 | 0.37 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

## Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 6 | 15.00 | 0.00 | 3,663.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Underground Utilities | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 120.00 | 5.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 27 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 120.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

## 3.2 Site Preparation - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 18.0663 | 0.0000 | 18.0663 | 9.9307 | 0.0000 | 9.9307 | | | 0.0000 | | | 0.0000 |
| Off-Road | 4.5627 | 48.1988 | 22.4763 | 0.0380 | | 2.5769 | 2.5769 | | 2.3708 | 2.3708 | | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **4.5627** | **48.1988** | **22.4763** | **0.0380** | **18.0663** | **2.5769** | **20.6432** | **9.9307** | **2.3708** | **12.3014** | | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1140 | 0.0885 | 0.8157 | 1.5200e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 150.7566 | 150.7566 | 6.8500e-003 | | 150.9278 |
| **Total** | **0.1140** | **0.0885** | **0.8157** | **1.5200e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **150.7566** | **150.7566** | **6.8500e-003** | | **150.9278** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 8.1298 | 0.0000 | 8.1298 | 4.4688 | 0.0000 | 4.4688 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.4656 | 2.0175 | 20.8690 | 0.0380 | | 0.0621 | 0.0621 | | 0.0621 | 0.0621 | 0.0000 | 3,831.6239 | 3,831.6239 | 1.1928 | | 3,861.4448 |
| **Total** | **0.4656** | **2.0175** | **20.8690** | **0.0380** | **8.1298** | **0.0621** | **8.1919** | **4.4688** | **0.0621** | **4.5309** | **0.0000** | **3,831.6239** | **3,831.6239** | **1.1928** | | **3,861.4448** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.1140 | 0.0885 | 0.8157 | 1.5200e-003 | 0.1479 | 1.2400e-003 | 0.1491 | 0.0392 | 1.1500e-003 | 0.0404 | | 150.7566 | 150.7566 | 6.8500e-003 | | 150.9278 |
| **Total** | **0.1140** | **0.0885** | **0.8157** | **1.5200e-003** | **0.1479** | **1.2400e-003** | **0.1491** | **0.0392** | **1.1500e-003** | **0.0404** | | **150.7566** | **150.7566** | **6.8500e-003** | | **150.9278** |

## 3.3 Grading - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 6.1933 | 0.0000 | 6.1933 | 3.3319 | 0.0000 | 3.3319 | | | 0.0000 | | | 0.0000 |
| Off-Road | 2.7733 | 30.6725 | 16.5770 | 0.0297 | | 1.5513 | 1.5513 | | 1.4272 | 1.4272 | | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **2.7733** | **30.6725** | **16.5770** | **0.0297** | **6.1933** | **1.5513** | **7.7446** | **3.3319** | **1.4272** | **4.7591** | | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8348 | 28.1631 | 5.9155 | 0.0654 | 1.4061 | 0.1557 | 1.5618 | 0.3839 | 0.1490 | 0.5329 | | 7,012.7032 | 7,012.7032 | 0.4618 | | 7,024.2493 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0950 | 0.0738 | 0.6797 | 1.2700e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 125.6305 | 125.6305 | 5.7100e-003 | | 125.7732 |
| **Total** | **0.9298** | **28.2369** | **6.5953** | **0.0666** | **1.5293** | **0.1567** | **1.6860** | **0.4166** | **0.1499** | **0.5665** | | **7,138.3337** | **7,138.3337** | **0.4676** | | **7,150.0224** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.7870 | 0.0000 | 2.7870 | 1.4994 | 0.0000 | 1.4994 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.3632 | 1.5737 | 17.7527 | 0.0297 | | 0.0484 | 0.0484 | | 0.0484 | 0.0484 | 0.0000 | 2,988.0216 | 2,988.0216 | 0.9302 | | 3,011.2769 |
| **Total** | **0.3632** | **1.5737** | **17.7527** | **0.0297** | **2.7870** | **0.0484** | **2.8354** | **1.4994** | **0.0484** | **1.5478** | **0.0000** | **2,988.0216** | **2,988.0216** | **0.9302** | | **3,011.2769** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.8348 | 28.1631 | 5.9155 | 0.0654 | 1.4061 | 0.1557 | 1.5618 | 0.3839 | 0.1490 | 0.5329 | | 7,012.7032 | 7,012.7032 | 0.4618 | | 7,024.2493 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0950 | 0.0738 | 0.6797 | 1.2700e-003 | 0.1232 | 1.0300e-003 | 0.1243 | 0.0327 | 9.6000e-004 | 0.0336 | | 125.6305 | 125.6305 | 5.7100e-003 | | 125.7732 |
| **Total** | **0.9298** | **28.2369** | **6.5953** | **0.0666** | **1.5293** | **0.1567** | **1.6860** | **0.4166** | **0.1499** | **0.5665** | | **7,138.3337** | **7,138.3337** | **0.4676** | | **7,150.0224** |

## 3.4 Underground Utilities - 2018

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.7214 | 18.2856 | 9.9889 | 0.0168 | | 0.9470 | 0.9470 | | 0.8713 | 0.8713 | | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **1.7214** | **18.2856** | **9.9889** | **0.0168** | | **0.9470** | **0.9470** | | **0.8713** | **0.8713** | | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0507 | 0.0394 | 0.3625 | 6.7000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 67.0029 | 67.0029 | 3.0400e-003 | | 67.0790 |
| **Total** | **0.0507** | **0.0394** | **0.3625** | **6.7000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **67.0029** | **67.0029** | **3.0400e-003** | | **67.0790** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.2061 | 0.8930 | 10.0937 | 0.0168 | | 0.0275 | 0.0275 | | 0.0275 | 0.0275 | 0.0000 | 1,692.5344 | 1,692.5344 | 0.5269 | | 1,705.7071 |
| **Total** | **0.2061** | **0.8930** | **10.0937** | **0.0168** | | **0.0275** | **0.0275** | | **0.0275** | **0.0275** | **0.0000** | **1,692.5344** | **1,692.5344** | **0.5269** | | **1,705.7071** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0507 | 0.0394 | 0.3625 | 6.7000e-004 | 0.0657 | 5.5000e-004 | 0.0663 | 0.0174 | 5.1000e-004 | 0.0179 | | 67.0029 | 67.0029 | 3.0400e-003 | | 67.0790 |
| **Total** | **0.0507** | **0.0394** | **0.3625** | **6.7000e-004** | **0.0657** | **5.5000e-004** | **0.0663** | **0.0174** | **5.1000e-004** | **0.0179** | | **67.0029** | **67.0029** | **3.0400e-003** | | **67.0790** |

## 3.5 Building Construction - 2018

**Unmitigated Construction On-Site**

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

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0294 | 0.7024 | 0.2102 | 1.3400e-003 | 0.0337 | 6.2400e-003 | 0.0399 | 9.6800e-003 | 5.9700e-003 | 0.0157 | | 141.9050 | 141.9050 | 0.0103 | | 142.1619 |
| Worker | 0.7599 | 0.5902 | 5.4379 | 0.0101 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,005.0437 | 1,005.0437 | 0.0457 | | 1,006.1855 |
| **Total** | **0.7894** | **1.2926** | **5.6481** | **0.0115** | **1.0194** | **0.0145** | **1.0340** | **0.2712** | **0.0136** | **0.2848** | | **1,146.9487** | **1,146.9487** | **0.0560** | | **1,148.3474** |

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.7258 | 2.9127 | 17.8224 | 0.0269 | | 0.1514 | 0.1514 | | 0.1514 | 0.1514 | 0.0000 | 2,620.9351 | 2,620.9351 | 0.6421 | | 2,636.9883 |
| **Total** | **0.7258** | **2.9127** | **17.8224** | **0.0269** | | **0.1514** | **0.1514** | | **0.1514** | **0.1514** | **0.0000** | **2,620.9351** | **2,620.9351** | **0.6421** | | **2,636.9883** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0294 | 0.7024 | 0.2102 | 1.3400e-003 | 0.0337 | 6.2400e-003 | 0.0399 | 9.6800e-003 | 5.9700e-003 | 0.0157 | | 141.9050 | 141.9050 | 0.0103 | | 142.1619 |
| Worker | 0.7599 | 0.5902 | 5.4379 | 0.0101 | 0.9858 | 8.2800e-003 | 0.9941 | 0.2615 | 7.6400e-003 | 0.2691 | | 1,005.0437 | 1,005.0437 | 0.0457 | | 1,006.1855 |
| **Total** | **0.7894** | **1.2926** | **5.6481** | **0.0115** | **1.0194** | **0.0145** | **1.0340** | **0.2712** | **0.0136** | **0.2848** | | **1,146.9487** | **1,146.9487** | **0.0560** | | **1,148.3474** |

## 3.5 Building Construction - 2019

**Unmitigated Construction On-Site**

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

## Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0259 | 0.6637 | 0.1881 | 1.3300e-003 | 0.0337 | 5.2300e-003 | 0.0389 | 9.6800e-003 | 5.0000e-003 | 0.0147 | | 140.8389 | 140.8389 | 9.8800e-003 | | 141.0860 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.7151** | **1.1833** | **5.0064** | **0.0112** | **1.0194** | **0.0132** | **1.0326** | **0.2712** | **0.0124** | **0.2835** | | **1,116.7066** | **1,116.7066** | **0.0503** | | **1,117.9629** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.6692 | 2.8550 | 17.7706 | 0.0269 | | 0.1375 | 0.1375 | | 0.1375 | 0.1375 | 0.0000 | 2,591.5802 | 2,591.5802 | 0.6313 | | 2,607.3635 |
| **Total** | **0.6692** | **2.8550** | **17.7706** | **0.0269** | | **0.1375** | **0.1375** | | **0.1375** | **0.1375** | **0.0000** | **2,591.5802** | **2,591.5802** | **0.6313** | | **2,607.3635** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0259 | 0.6637 | 0.1881 | 1.3300e-003 | 0.0337 | 5.2300e-003 | 0.0389 | 9.6800e-003 | 5.0000e-003 | 0.0147 | | 140.8389 | 140.8389 | 9.8800e-003 | | 141.0860 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.7151** | **1.1833** | **5.0064** | **0.0112** | **1.0194** | **0.0132** | **1.0326** | **0.2712** | **0.0124** | **0.2835** | | **1,116.7066** | **1,116.7066** | **0.0503** | | **1,117.9629** |

## 3.6 Paving - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 4.5557 | 45.8497 | 44.2405 | 0.0680 | | 2.5846 | 2.5846 | | 2.3841 | 2.3841 | | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **5.1321** | **45.8497** | **44.2405** | **0.0680** | | **2.5846** | **2.5846** | | **2.3841** | **2.3841** | | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 1.1059 | 5.4053 | 50.2936 | 0.0680 | | 0.1829 | 0.1829 | | 0.1829 | 0.1829 | 0.0000 | 6,624.4159 | 6,624.4159 | 2.0379 | | 6,675.3636 |
| Paving | 0.5764 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| **Total** | **1.6823** | **5.4053** | **50.2936** | **0.0680** | | **0.1829** | **0.1829** | | **0.1829** | **0.1829** | **0.0000** | **6,624.4159** | **6,624.4159** | **2.0379** | | **6,675.3636** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

## 3.7 Architectural Coating - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.2664 | 1.8354 | 1.8413 | 2.9700e-003 | | 0.1288 | 0.1288 | | 0.1288 | 0.1288 | | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.5657** | **1.8354** | **1.8413** | **2.9700e-003** | | **0.1288** | **0.1288** | | **0.1288** | **0.1288** | | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

**Unmitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

## Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Archit. Coating | 53.2993 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.0297 | 0.1288 | 1.8324 | 2.9700e-003 | | 3.9600e-003 | 3.9600e-003 | | 3.9600e-003 | 3.9600e-003 | 0.0000 | 281.4481 | 281.4481 | 0.0238 | | 282.0423 |
| **Total** | **53.3290** | **0.1288** | **1.8324** | **2.9700e-003** | | **3.9600e-003** | **3.9600e-003** | | **3.9600e-003** | **3.9600e-003** | **0.0000** | **281.4481** | **281.4481** | **0.0238** | | **282.0423** |

## Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.6893 | 0.5196 | 4.8183 | 9.8200e-003 | 0.9858 | 7.9600e-003 | 0.9937 | 0.2615 | 7.3500e-003 | 0.2688 | | 975.8677 | 975.8677 | 0.0404 | | 976.8770 |
| **Total** | **0.6893** | **0.5196** | **4.8183** | **9.8200e-003** | **0.9858** | **7.9600e-003** | **0.9937** | **0.2615** | **7.3500e-003** | **0.2688** | | **975.8677** | **975.8677** | **0.0404** | | **976.8770** |

## Oakmont Emerald Isle

**No Mitigation**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

| | | | |
|---|---|---|---|
| **Construction Scheduling** | **2018** | | |
| | 8 | hours/day | |
| | 5 | days/week | |
| | 43 | weeks/year | *start from 3/1/2018 |
| | 1720 | hours/year | |
| **Onsite Construction Area Source Size (m2):** | 20898.3 | | from AERMOD |

**Onsite Construction PM2.5 Emissions**

**2018**

| Construction Activity | Onsite Annual DPM Exhaust Emissions (tons/year) | Onsite Annual DPM Exhaust Emissions (g/sec) | Onsite DPM Source Exhaust Emissions (g/m2-sec) |
|---|---|---|---|
| Site Preparation | 5.930E-03 | 8.696E-04 | 4.161E-08 |
| Grading | 3.210E-02 | 4.707E-03 | 2.252E-07 |
| Underground Utilities | 2.610E-02 | 3.827E-03 | 1.831E-07 |
| Building Construction | 1.065E-01 | 1.562E-02 | 7.473E-07 |
| **Total** | **1.706E-01** | **2.502E-02** | **1.197E-06** |

**Offsite Construction Vehicle PM2.5 Emissions**

**2018**

| Construction Activity | Offsite Hauling Annual DPM Exhaust Emissions (tons/year) | Offsite Vendor Annual DPM Exhaust Emissions (tons/year) | Offsite Workers Annual DPM Exhaust Emissions (tons/year) | |
|---|---|---|---|---|
| Site Preparation | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| Grading | 3.310E-03 | 0.000E+00 | 2.000E-05 | |
| Underground Utilities | 0.000E+00 | 0.000E+00 | 2.000E-05 | |
| Building Construction | 0.000E+00 | 4.500E-04 | 5.800E-04 | |
| **Total (tons/year)** | **3.310E-03** | **4.500E-04** | **6.200E-04** | **4.380E-03** |
| **Trip Distance assumed in CalEEMod (mi)** | 20.0 | 7.3 | 10.8 | |
| **Offsite Project Trip Distance Along Roadway Segment** Project>RRBC>US101 (mi) | 0.77 | 0.77 | 0.77 | |
| **Offsite Project Emissions Along Roadway Segment** Project>RRBC>US101 (tons/year) | **1.277E-04** | **4.758E-05** | **4.431E-05** | |

| **Offsite Emissions Along Roadway Segment Analyzed** | |
|---|---|
| **Total Offsite Project Exhaust Emissions (tons/year)** | **2.196E-04** |
| **Total Offsite Project Exhaust Emissions (grams/sec)** | **3.220E-05** |

| | |
|---|---|
| **Onsite Exhaust Emissions (tons/year)** | **1.706E-01** |
| **Total Onsite Emissions (tons/year)** | **1.706E-01** |
| **Onsite Exhaust Emissions (g/m2-sec)** | **1.197E-06** |

| | |
|---|---|
| **Total PM@2.5 Exhaust (tons/year)** | 1.708E-01 |

## Oakmont Emerald Isle

**No Mitigation**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Construction Scheduling** **2019**

| | | |
|---|---|---|
| 8 | hours/day | |
| 5 | days/week | **end at May 3, 2019 |
| 17 | weeks/year | |
| 680 | hours/year | |

**Onsite Construction Area Source Size (m2):** 20898.30

**Onsite Construction PM2.5 Emissions**

**2019**

| **Construction Activity** | **Onsite Annual DPM Exhaust Emissions (tons/year)** | **Onsite Annual DPM Exhaust Emissions (g/sec)** | **Onsite DPM Source Exhaust Emissions (g/m2-sec)** |
|---|---|---|---|
| Building Construction | 4.790E-02 | 1.777E-02 | 8.502E-07 |
| Paving | 5.960E-03 | 2.211E-03 | 1.058E-07 |
| Architectural Coating | 1.160E-03 | 4.303E-04 | 2.059E-08 |
| **Total** | **5.502E-02** | **2.041E-02** | **9.765E-07** |

**Offsite Construction Vehicle PM2.5 Emissions**

**2019**

| **Construction Activity** | **Offsite Hauling Annual DPM Exhaust Emissions (tons/year)** | **Offsite Vendor Annual DPM Exhaust Emissions (tons/year)** | **Offsite Workers Annual DPM Exhaust Emissions (tons/year)** | |
|---|---|---|---|---|
| Building Construction | 0.000E+00 | 1.900E-04 | 2.900E-04 | |
| Paving | 0.000E+00 | 0.000E+00 | 2.000E-05 | |
| Architectural Coating | 0.000E+00 | 0.000E+00 | 7.000E-05 | |
| **Total (tons/year)** | **0.000E+00** | **1.900E-04** | **3.800E-04** | **5.700E-04** |
| Trip Distance assumed in CalEEMod (mi) | 20.0 | 7.3 | 10.8 | |
| Offsite Project Trip Distance Project>Dry Creek Road>US101 (mi) | 0.77 | 0.77 | 0.77 | |
| **Offsite Project Emissions** Project>Dry Creek Rd>US101 (tons/year) | **0.000E+00** | **2.009E-05** | **2.716E-05** | |

| | |
|---|---|
| **Emissions Along Roadway Segment** | |
| **Offsite Project Exhaust Emissions (tons/year)** | **4.724E-05** |
| **Offsite Project Exhaust Emissions (grams/sec)** | **1.752E-05** |
| **Offsite Project Fugitive Emissions (tons/year)** | **0.000E+00** |
| **Offsite Project Fugitive Emissions (grams/sec)** | **0.000E+00** |

| | |
|---|---|
| **Onsite Exhaust Emissions (tons/year)** | **5.502E-02** |
| **Total Onsite Emissions (tons/year)** | **5.502E-02** |
| **Onsite Exhaust Emissions (g/m2-sec)** | **9.765E-07** |

| | |
|---|---|
| **Total PM@2.5 Exhaust (tons/year)** | 5.507E-02 |
| **Total PM2.5 (tons/year)** | **5.507E-02** |

# Oakmont Emerald Isle

Construction Ahead (PFM Extension) | 24 YRS 5 Month

Retail Strategic Center, 1998 Edwin Drive, San Jose, CA 95112, United States

| # | Date | Time | Name | Type | Status | Amount | Balance |
|---|---|---|---|---|---|---|---|
| 1 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 1,200.00 |
| 2 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 2,400.00 |
| 3 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 3,600.00 |
| 4 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 4,800.00 |
| 5 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 6,000.00 |
| 6 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 7,200.00 |
| 7 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 8,400.00 |
| 8 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 9,600.00 |
| 9 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 10,800.00 |
| 10 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 12,000.00 |
| 11 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 13,200.00 |
| 12 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 14,400.00 |
| 13 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 15,600.00 |
| 14 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 16,800.00 |
| 15 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 18,000.00 |
| 16 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 19,200.00 |
| 17 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 20,400.00 |
| 18 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 21,600.00 |
| 19 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 22,800.00 |
| 20 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 24,000.00 |
| 21 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 25,200.00 |
| 22 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 26,400.00 |
| 23 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 27,600.00 |
| 24 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 28,800.00 |
| 25 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 30,000.00 |
| 26 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 31,200.00 |
| 27 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 32,400.00 |
| 28 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 33,600.00 |
| 29 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 34,800.00 |
| 30 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 36,000.00 |
| 31 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 37,200.00 |
| 32 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 38,400.00 |
| 33 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 39,600.00 |
| 34 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 40,800.00 |
| 35 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 42,000.00 |
| 36 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 43,200.00 |
| 37 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 44,400.00 |
| 38 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 45,600.00 |
| 39 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 46,800.00 |
| 40 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 48,000.00 |
| 41 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 49,200.00 |
| 42 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 50,400.00 |
| 43 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 51,600.00 |
| 44 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 52,800.00 |
| 45 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 54,000.00 |
| 46 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 55,200.00 |
| 47 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 56,400.00 |
| 48 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 57,600.00 |
| 49 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 58,800.00 |
| 50 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 60,000.00 |
| 51 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 61,200.00 |
| 52 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 62,400.00 |
| 53 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 63,600.00 |
| 54 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 64,800.00 |
| 55 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 66,000.00 |
| 56 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 67,200.00 |
| 57 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 68,400.00 |
| 58 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 69,600.00 |
| 59 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 70,800.00 |
| 60 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 72,000.00 |
| 61 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 73,200.00 |
| 62 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 74,400.00 |
| 63 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 75,600.00 |
| 64 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 76,800.00 |
| 65 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 78,000.00 |
| 66 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 79,200.00 |
| 67 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 80,400.00 |
| 68 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 81,600.00 |
| 69 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 82,800.00 |
| 70 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 84,000.00 |
| 71 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 85,200.00 |
| 72 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 86,400.00 |
| 73 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 87,600.00 |
| 74 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 88,800.00 |
| 75 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 90,000.00 |
| 76 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 91,200.00 |
| 77 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 92,400.00 |
| 78 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 93,600.00 |
| 79 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 94,800.00 |
| 80 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 96,000.00 |
| 81 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 97,200.00 |
| 82 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 98,400.00 |
| 83 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 99,600.00 |
| 84 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 100,800.00 |
| 85 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 102,000.00 |
| 86 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 103,200.00 |
| 87 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 104,400.00 |
| 88 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 105,600.00 |
| 89 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 106,800.00 |
| 90 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 108,000.00 |
| 91 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 109,200.00 |
| 92 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 110,400.00 |
| 93 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 111,600.00 |
| 94 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 112,800.00 |
| 95 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 114,000.00 |
| 96 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 115,200.00 |
| 97 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 116,400.00 |
| 98 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 117,600.00 |
| 99 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 118,800.00 |
| 100 | Jun 30 | 4:00 PM | Ethan Brooks | Deposit | Cleared | 1,200.00 | 120,000.00 |

**Oakmont Emerald Isle** 2019 No Mitigation at Sensitive Receptors

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Annual Average Onsite DPM Exhaust Emission Rate:** 9.76527E-07 grams/m2/sec

**Annual Average Offsite DPM Exhaust Emission Rate:** 1.75233E-05 grams/sec

| X (m) | Y (m) | Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Total DPM (ug/m3) |
|---|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.21757 | 0.00212 | 0.00066 | 1.15654E-04 | 0.00224 |
| 524149.22 | 4260065.3 | 0.24485 | 0.00239 | 0.00092 | 1.61215E-04 | 0.00255 |
| 524164.22 | 4260065.3 | 0.27751 | 0.00271 | 0.00099 | 1.73481E-04 | 0.00288 |
| 524179.22 | 4260065.3 | 0.3173 | 0.00310 | 0.00099 | 1.73481E-04 | 0.00327 |
| 524194.22 | 4260065.3 | 0.36632 | 0.00358 | 0.00101 | 1.76986E-04 | 0.00375 |
| 524209.22 | 4260065.3 | 0.428 | 0.00418 | 0.00104 | 1.82243E-04 | 0.00436 |
| 524224.22 | 4260065.3 | 0.50755 | 0.00496 | 0.00108 | 1.89252E-04 | 0.00515 |
| 524239.22 | 4260065.3 | 0.61335 | 0.00599 | 0.00113 | 1.98014E-04 | 0.00619 |
| 524254.22 | 4260065.3 | 0.75734 | 0.00740 | 0.00119 | 2.08528E-04 | 0.00760 |
| 524269.22 | 4260065.3 | 0.95864 | 0.00936 | 0.00126 | 2.20794E-04 | 0.00958 |
| 524134.22 | 4260080.3 | 0.23428 | 0.00229 | 0.00053 | 9.28736E-05 | 0.00238 |
| 524149.22 | 4260080.3 | 0.26466 | 0.00258 | 0.00067 | 1.17406E-04 | 0.00270 |
| 524164.22 | 4260080.3 | 0.3012 | 0.00294 | 0.00074 | 1.29673E-04 | 0.00307 |
| 524179.22 | 4260080.3 | 0.34591 | 0.00338 | 0.00075 | 1.31425E-04 | 0.00351 |
| 524194.22 | 4260080.3 | 0.40157 | 0.00392 | 0.00075 | 1.31425E-04 | 0.00405 |
| 524209.22 | 4260080.3 | 0.47231 | 0.00461 | 0.00075 | 1.31425E-04 | 0.00474 |
| 524224.22 | 4260080.3 | 0.56376 | 0.00551 | 0.00076 | 1.33177E-04 | 0.00564 |
| 524239.22 | 4260080.3 | 0.68592 | 0.00670 | 0.00078 | 1.36682E-04 | 0.00683 |
| 524254.22 | 4260080.3 | 0.85432 | 0.00834 | 0.00080 | 1.40187E-04 | 0.00848 |
| 524269.22 | 4260080.3 | 1.09449 | 0.01069 | 0.00084 | 1.47196E-04 | 0.01084 |
| 524134.22 | 4260095.3 | 0.25205 | 0.00246 | 0.00044 | 7.71026E-05 | 0.00254 |
| 524149.22 | 4260095.3 | 0.28615 | 0.00279 | 0.00054 | 9.46260E-05 | 0.00289 |
| 524164.22 | 4260095.3 | 0.3277 | 0.00320 | 0.00059 | 1.03388E-04 | 0.00330 |
| 524179.22 | 4260095.3 | 0.37935 | 0.00370 | 0.00060 | 1.05140E-04 | 0.00381 |
| 524194.22 | 4260095.3 | 0.44405 | 0.00434 | 0.00060 | 1.05140E-04 | 0.00444 |
| 524209.22 | 4260095.3 | 0.52689 | 0.00515 | 0.00059 | 1.03388E-04 | 0.00525 |
| 524224.22 | 4260095.3 | 0.63499 | 0.00620 | 0.00059 | 1.03388E-04 | 0.00630 |
| 524239.22 | 4260095.3 | 0.78033 | 0.00762 | 0.00060 | 1.05140E-04 | 0.00773 |
| 524254.22 | 4260095.3 | 0.98282 | 0.00960 | 0.00060 | 1.05140E-04 | 0.00970 |
| 524269.22 | 4260095.3 | 1.27749 | 0.01248 | 0.00061 | 1.06892E-04 | 0.01258 |
| 524134.22 | 4260110.3 | 0.27129 | 0.00265 | 0.00035 | 6.13316E-05 | 0.00271 |
| 524149.22 | 4260110.3 | 0.30966 | 0.00302 | 0.00042 | 7.35980E-05 | 0.00310 |
| 524164.22 | 4260110.3 | 0.35784 | 0.00349 | 0.00047 | 8.23596E-05 | 0.00358 |
| 524179.22 | 4260110.3 | 0.418 | 0.00408 | 0.00049 | 8.58643E-05 | 0.00417 |
| 524194.22 | 4260110.3 | 0.49461 | 0.00483 | 0.00049 | 8.58643E-05 | 0.00492 |
| 524209.22 | 4260110.3 | 0.59345 | 0.00580 | 0.00048 | 8.41120E-05 | 0.00588 |
| 524224.22 | 4260110.3 | 0.72351 | 0.00707 | 0.00048 | 8.41120E-05 | 0.00715 |
| 524239.22 | 4260110.3 | 0.90031 | 0.00879 | 0.00048 | 8.41120E-05 | 0.00888 |
| 524254.22 | 4260110.3 | 1.14882 | 0.01122 | 0.00048 | 8.41120E-05 | 0.01130 |
| 524269.22 | 4260110.3 | 1.51209 | 0.01477 | 0.00048 | 8.41120E-05 | 0.01485 |
| 524134.22 | 4260125.3 | 0.29185 | 0.00285 | 0.00029 | 5.08176E-05 | 0.00290 |
| 524149.22 | 4260125.3 | 0.33572 | 0.00328 | 0.00034 | 5.95793E-05 | 0.00334 |
| 524164.22 | 4260125.3 | 0.391 | 0.00382 | 0.00038 | 6.65886E-05 | 0.00388 |
| 524179.22 | 4260125.3 | 0.46144 | 0.00451 | 0.00040 | 7.00933E-05 | 0.00458 |
| 524194.22 | 4260125.3 | 0.55233 | 0.00539 | 0.00040 | 7.00933E-05 | 0.00546 |
| 524209.22 | 4260125.3 | 0.67098 | 0.00655 | 0.00040 | 7.00933E-05 | 0.00662 |
| 524224.22 | 4260125.3 | 0.82823 | 0.00809 | 0.00040 | 7.00933E-05 | 0.00816 |
| 524239.22 | 4260125.3 | 1.04426 | 0.01020 | 0.00040 | 7.00933E-05 | 0.01027 |
| 524254.22 | 4260125.3 | 1.34996 | 0.01318 | 0.00040 | 7.00933E-05 | 0.01325 |
| 524269.22 | 4260125.3 | 1.79972 | 0.01757 | 0.00040 | 7.00933E-05 | 0.01764 |
| 524134.22 | 4260140.3 | 0.31406 | 0.00307 | 0.00024 | 4.20560E-05 | 0.00311 |
| 524149.22 | 4260140.3 | 0.36374 | 0.00355 | 0.00028 | 4.90653E-05 | 0.00360 |
| 524164.22 | 4260140.3 | 0.42771 | 0.00418 | 0.00031 | 5.43223E-05 | 0.00423 |
| 524179.22 | 4260140.3 | 0.50983 | 0.00498 | 0.00033 | 5.78270E-05 | 0.00504 |
| 524194.22 | 4260140.3 | 0.61661 | 0.00602 | 0.00034 | 5.95793E-05 | 0.00608 |
| 524209.22 | 4260140.3 | 0.75814 | 0.00740 | 0.00034 | 5.95793E-05 | 0.00746 |
| 524224.22 | 4260140.3 | 0.9479 | 0.00926 | 0.00034 | 5.95793E-05 | 0.00932 |
| 524239.22 | 4260140.3 | 1.21063 | 0.01182 | 0.00034 | 5.95793E-05 | 0.01188 |
| 524254.22 | 4260140.3 | 1.58271 | 0.01546 | 0.00034 | 5.95793E-05 | 0.01552 |
| 524269.22 | 4260140.3 | 2.13206 | 0.02082 | 0.00033 | 5.78270E-05 | 0.02088 |
| 524134.22 | 4260155.3 | 0.33839 | 0.00330 | 0.00021 | 3.67990E-05 | 0.00334 |
| 524149.22 | 4260155.3 | 0.39363 | 0.00384 | 0.00023 | 4.03036E-05 | 0.00388 |
| 524164.22 | 4260155.3 | 0.46649 | 0.00456 | 0.00026 | 4.55606E-05 | 0.00460 |
| 524179.22 | 4260155.3 | 0.5619 | 0.00549 | 0.00027 | 4.73130E-05 | 0.00553 |
| 524194.22 | 4260155.3 | 0.68411 | 0.00668 | 0.00028 | 4.90653E-05 | 0.00673 |
| 524209.22 | 4260155.3 | 0.84649 | 0.00827 | 0.00029 | 5.08176E-05 | 0.00832 |
| 524224.22 | 4260155.3 | 1.07098 | 0.01046 | 0.00029 | 5.08176E-05 | 0.01051 |
| 524239.22 | 4260155.3 | 1.38626 | 0.01354 | 0.00029 | 5.08176E-05 | 0.01359 |
| 524254.22 | 4260155.3 | 1.83195 | 0.01789 | 0.00029 | 5.08176E-05 | 0.01794 |
| 524269.22 | 4260155.3 | 2.48712 | 0.02429 | 0.00028 | 4.90653E-05 | 0.02434 |
| 524134.22 | 4260170.3 | 0.36692 | 0.00358 | 0.00018 | 3.15420E-05 | 0.00361 |
| 524149.22 | 4260170.3 | 0.42859 | 0.00419 | 0.00020 | 3.50466E-05 | 0.00422 |
| 524164.22 | 4260170.3 | 0.51067 | 0.00499 | 0.00022 | 3.85513E-05 | 0.00503 |
| 524179.22 | 4260170.3 | 0.61926 | 0.00605 | 0.00023 | 4.03036E-05 | 0.00609 |
| 524194.22 | 4260170.3 | 0.75885 | 0.00741 | 0.00024 | 4.20560E-05 | 0.00745 |
| 524209.22 | 4260170.3 | 0.94274 | 0.00921 | 0.00025 | 4.38083E-05 | 0.00925 |
| 524224.22 | 4260170.3 | 1.20257 | 0.01174 | 0.00025 | 4.38083E-05 | 0.01179 |
| 524239.22 | 4260170.3 | 1.56904 | 0.01532 | 0.00025 | 4.38083E-05 | 0.01537 |
| 524254.22 | 4260170.3 | 2.08643 | 0.02037 | 0.00025 | 4.38083E-05 | 0.02042 |
| 524269.22 | 4260170.3 | 2.8445 | 0.02778 | 0.00024 | 4.20560E-05 | 0.02782 |
| 524134.22 | 4260185.3 | 0.4053 | 0.00396 | 0.00016 | 2.80373E-05 | 0.00399 |
| 524149.22 | 4260185.3 | 0.47478 | 0.00464 | 0.00018 | 3.15420E-05 | 0.00467 |
| 524164.22 | 4260185.3 | 0.56596 | 0.00553 | 0.00019 | 3.32943E-05 | 0.00556 |
| 524179.22 | 4260185.3 | 0.6854 | 0.00669 | 0.00020 | 3.50466E-05 | 0.00673 |
| 524194.22 | 4260185.3 | 0.84389 | 0.00824 | 0.00021 | 3.67990E-05 | 0.00828 |
| 524209.22 | 4260185.3 | 1.05598 | 0.01031 | 0.00021 | 3.67990E-05 | 0.01035 |
| 524224.22 | 4260185.3 | 1.34529 | 0.01314 | 0.00022 | 3.85513E-05 | 0.01318 |
| 524239.22 | 4260185.3 | 1.7506 | 0.01710 | 0.00022 | 3.85513E-05 | 0.01713 |
| 524254.22 | 4260185.3 | 2.32158 | 0.02267 | 0.00021 | 3.67990E-05 | 0.02271 |
| 524269.22 | 4260185.3 | 3.15415 | 0.03080 | 0.00021 | 3.67990E-05 | 0.03084 |
| 524134.22 | 4260200.3 | 0.45017 | 0.00440 | 0.00015 | 2.62850E-05 | 0.00442 |
| 524149.22 | 4260200.3 | 0.52905 | 0.00517 | 0.00016 | 2.80373E-05 | 0.00519 |
| 524164.22 | 4260200.3 | 0.62984 | 0.00615 | 0.00017 | 2.97897E-05 | 0.00618 |
| 524179.22 | 4260200.3 | 0.75995 | 0.00742 | 0.00018 | 3.15420E-05 | 0.00745 |
| 524194.22 | 4260200.3 | 0.93641 | 0.00914 | 0.00019 | 3.32943E-05 | 0.00918 |
| 524209.22 | 4260200.3 | 1.17623 | 0.01149 | 0.00019 | 3.32943E-05 | 0.01152 |
| 524224.22 | 4260200.3 | 1.49381 | 0.01459 | 0.00019 | 3.32943E-05 | 0.01462 |
| 524239.22 | 4260200.3 | 1.9286 | 0.01883 | 0.00019 | 3.32943E-05 | 0.01887 |
| 524254.22 | 4260200.3 | 2.5383 | 0.02479 | 0.00019 | 3.32943E-05 | 0.02482 |
| 524269.22 | 4260200.3 | 3.41685 | 0.03337 | 0.00018 | 3.15420E-05 | 0.03340 |
| 524134.22 | 4260215.3 | 0.50696 | 0.00495 | 0.00014 | 2.45327E-05 | 0.00498 |
| 524149.22 | 4260215.3 | 0.59524 | 0.00581 | 0.00015 | 2.62850E-05 | 0.00584 |
| 524164.22 | 4260215.3 | 0.70733 | 0.00691 | 0.00016 | 2.80373E-05 | 0.00694 |
| 524179.22 | 4260215.3 | 0.85081 | 0.00831 | 0.00016 | 2.80373E-05 | 0.00834 |
| 524194.22 | 4260215.3 | 1.04578 | 0.01021 | 0.00017 | 2.97897E-05 | 0.01024 |
| 524209.22 | 4260215.3 | 1.30779 | 0.01277 | 0.00017 | 2.97897E-05 | 0.01280 |
| 524224.22 | 4260215.3 | 1.65196 | 0.01613 | 0.00017 | 2.97897E-05 | 0.01616 |
| 524239.22 | 4260215.3 | 2.10761 | 0.02058 | 0.00017 | 2.97897E-05 | 0.02061 |
| 524254.22 | 4260215.3 | 2.73953 | 0.02675 | 0.00017 | 2.97897E-05 | 0.02678 |
| 524269.22 | 4260215.3 | 3.62148 | 0.03536 | 0.00016 | 2.80373E-05 | 0.03539 |
| 524134.22 | 4260230.3 | 0.56541 | 0.00552 | 0.00012 | 2.10280E-05 | 0.00554 |
| 524149.22 | 4260230.3 | 0.66468 | 0.00649 | 0.00013 | 2.27803E-05 | 0.00651 |
| 524164.22 | 4260230.3 | 0.78803 | 0.00770 | 0.00014 | 2.45327E-05 | 0.00772 |
| 524179.22 | 4260230.3 | 0.94253 | 0.00920 | 0.00015 | 2.62850E-05 | 0.00923 |
| 524194.22 | 4260230.3 | 1.15338 | 0.01126 | 0.00015 | 2.62850E-05 | 0.01129 |
| 524209.22 | 4260230.3 | 1.43703 | 0.01403 | 0.00015 | 2.62850E-05 | 0.01406 |
| 524224.22 | 4260230.3 | 1.7991 | 0.01757 | 0.00015 | 2.62850E-05 | 0.01759 |
| 524239.22 | 4260230.3 | 2.27011 | 0.02217 | 0.00015 | 2.62850E-05 | 0.02219 |
| 524254.22 | 4260230.3 | 2.90549 | 0.02837 | 0.00015 | 2.62850E-05 | 0.02840 |
| 524269.22 | 4260230.3 | 3.76042 | 0.03672 | 0.00014 | 2.45327E-05 | 0.03675 |
| 524134.22 | 4260245.3 | 0.62194 | 0.00607 | 0.00011 | 1.92757E-05 | 0.00609 |
| 524149.22 | 4260245.3 | 0.73478 | 0.00718 | 0.00012 | 2.10280E-05 | 0.00720 |
| 524164.22 | 4260245.3 | 0.86958 | 0.00849 | 0.00013 | 2.27803E-05 | 0.00851 |
| 524179.22 | 4260245.3 | 1.03166 | 0.01007 | 0.00013 | 2.27803E-05 | 0.01010 |
| 524194.22 | 4260245.3 | 1.25467 | 0.01225 | 0.00014 | 2.45327E-05 | 0.01228 |
| 524209.22 | 4260245.3 | 1.55549 | 0.01519 | 0.00014 | 2.45327E-05 | 0.01521 |
| 524224.22 | 4260245.3 | 1.93407 | 0.01889 | 0.00014 | 2.45327E-05 | 0.01891 |
| 524239.22 | 4260245.3 | 2.41734 | 0.02361 | 0.00013 | 2.27803E-05 | 0.02363 |
| 524254.22 | 4260245.3 | 3.04572 | 0.02974 | 0.00013 | 2.27803E-05 | 0.02977 |
| 524269.22 | 4260245.3 | 3.86134 | 0.03771 | 0.00013 | 2.27803E-05 | 0.03773 |
| 524134.22 | 4260260.3 | 0.67408 | 0.00658 | 0.00010 | 1.75233E-05 | 0.00660 |
| 524149.22 | 4260260.3 | 0.80097 | 0.00782 | 0.00011 | 1.92757E-05 | 0.00784 |
| 524164.22 | 4260260.3 | 0.94951 | 0.00927 | 0.00011 | 1.92757E-05 | 0.00929 |
| 524179.22 | 4260260.3 | 1.12084 | 0.01095 | 0.00012 | 2.10280E-05 | 0.01097 |
| 524194.22 | 4260260.3 | 1.35248 | 0.01321 | 0.00012 | 2.10280E-05 | 0.01323 |
| 524209.22 | 4260260.3 | 1.66274 | 0.01624 | 0.00012 | 2.10280E-05 | 0.01626 |
| 524224.22 | 4260260.3 | 2.04791 | 0.02000 | 0.00012 | 2.10280E-05 | 0.02002 |
| 524239.22 | 4260260.3 | 2.52877 | 0.02469 | 0.00012 | 2.10280E-05 | 0.02472 |
| 524254.22 | 4260260.3 | 3.13684 | 0.03063 | 0.00012 | 2.10280E-05 | 0.03065 |
| 524269.22 | 4260260.3 | 3.89985 | 0.03808 | 0.00012 | 2.10280E-05 | 0.03810 |
| 524134.22 | 4260275.3 | 0.70639 | 0.00690 | 0.00009 | 1.57710E-05 | 0.00691 |
| 524149.22 | 4260275.3 | 0.8605 | 0.00840 | 0.00010 | 1.75233E-05 | 0.00842 |
| 524164.22 | 4260275.3 | 1.02545 | 0.01001 | 0.00010 | 1.75233E-05 | 0.01003 |
| 524179.22 | 4260275.3 | 1.21412 | 0.01186 | 0.00011 | 1.92757E-05 | 0.01188 |
| 524194.22 | 4260275.3 | 1.45385 | 0.01420 | 0.00011 | 1.92757E-05 | 0.01422 |
| 524209.22 | 4260275.3 | 1.76083 | 0.01719 | 0.00011 | 1.92757E-05 | 0.01721 |
| 524224.22 | 4260275.3 | 2.13949 | 0.02089 | 0.00011 | 1.92757E-05 | 0.02091 |
| 524239.22 | 4260275.3 | 2.60587 | 0.02545 | 0.00011 | 1.92757E-05 | 0.02547 |
| 524254.22 | 4260275.3 | 3.1886 | 0.03114 | 0.00011 | 1.92757E-05 | 0.03116 |
| 524269.22 | 4260275.3 | 3.90406 | 0.03812 | 0.00011 | 1.92757E-05 | 0.03814 |
| 524134.22 | 4260290.3 | 0.73573 | 0.00718 | 0.00008 | 1.40187E-05 | 0.00720 |
| 524149.22 | 4260290.3 | 0.89797 | 0.00877 | 0.00009 | 1.57710E-05 | 0.00878 |
| 524164.22 | 4260290.3 | 1.08855 | 0.01063 | 0.00009 | 1.57710E-05 | 0.01065 |
| 524179.22 | 4260290.3 | 1.29367 | 0.01263 | 0.00010 | 1.75233E-05 | 0.01265 |
| 524194.22 | 4260290.3 | 1.53994 | 0.01504 | 0.00010 | 1.75233E-05 | 0.01506 |
| 524209.22 | 4260290.3 | 1.84078 | 0.01798 | 0.00010 | 1.75233E-05 | 0.01799 |
| 524224.22 | 4260290.3 | 2.20907 | 0.02157 | 0.00010 | 1.75233E-05 | 0.02159 |
| 524239.22 | 4260290.3 | 2.65222 | 0.02590 | 0.00010 | 1.75233E-05 | 0.02592 |
| 524254.22 | 4260290.3 | 3.2015 | 0.03126 | 0.00010 | 1.75233E-05 | 0.03128 |
| 524269.22 | 4260290.3 | 3.85874 | 0.03768 | 0.00010 | 1.75233E-05 | 0.03770 |
| 524134.22 | 4260305.3 | 0.77393 | 0.00756 | 0.00007 | 1.22663E-05 | 0.00757 |
| 524149.22 | 4260305.3 | 0.93169 | 0.00910 | 0.00008 | 1.40187E-05 | 0.00911 |
| 524164.22 | 4260305.3 | 1.13973 | 0.01113 | 0.00008 | 1.40187E-05 | 0.01114 |
| 524179.22 | 4260305.3 | 1.35485 | 0.01323 | 0.00009 | 1.57710E-05 | 0.01325 |
| 524194.22 | 4260305.3 | 1.60817 | 0.01570 | 0.00009 | 1.57710E-05 | 0.01572 |
| 524209.22 | 4260305.3 | 1.90533 | 0.01861 | 0.00009 | 1.57710E-05 | 0.01862 |
| 524224.22 | 4260305.3 | 2.2615 | 0.02208 | 0.00009 | 1.57710E-05 | 0.02210 |
| 524239.22 | 4260305.3 | 2.6822 | 0.02619 | 0.00009 | 1.57710E-05 | 0.02621 |
| 524254.22 | 4260305.3 | 3.18586 | 0.03111 | 0.00009 | 1.57710E-05 | 0.03113 |
| 524269.22 | 4260305.3 | 3.77418 | 0.03686 | 0.00009 | 1.57710E-05 | 0.03687 |
| 524134.22 | 4260320.3 | 0.80873 | 0.00790 | 0.00007 | 1.22663E-05 | 0.00791 |
| 524149.22 | 4260320.3 | 0.96475 | 0.00942 | 0.00007 | 1.22663E-05 | 0.00943 |
| 524164.22 | 4260320.3 | 1.16443 | 0.01137 | 0.00008 | 1.40187E-05 | 0.01138 |
| 524179.22 | 4260320.3 | 1.39759 | 0.01365 | 0.00008 | 1.40187E-05 | 0.01366 |
| 524194.22 | 4260320.3 | 1.65125 | 0.01612 | 0.00008 | 1.40187E-05 | 0.01614 |
| 524209.22 | 4260320.3 | 1.94208 | 0.01896 | 0.00009 | 1.57710E-05 | 0.01898 |
| 524224.22 | 4260320.3 | 2.28161 | 0.02228 | 0.00009 | 1.57710E-05 | 0.02230 |
| 524239.22 | 4260320.3 | 2.6756 | 0.02613 | 0.00009 | 1.57710E-05 | 0.02614 |
| 524254.22 | 4260320.3 | 3.13548 | 0.03062 | 0.00008 | 1.40187E-05 | 0.03063 |
| 524269.22 | 4260320.3 | 3.65724 | 0.03571 | 0.00008 | 1.40187E-05 | 0.03573 |
| 524134.22 | 4260335.3 | 0.84466 | 0.00825 | 0.00006 | 1.05140E-05 | 0.00826 |
| 524149.22 | 4260335.3 | 1.00213 | 0.00979 | 0.00007 | 1.22663E-05 | 0.00980 |
| 524164.22 | 4260335.3 | 1.20024 | 0.01172 | 0.00007 | 1.22663E-05 | 0.01173 |
| 524179.22 | 4260335.3 | 1.42832 | 0.01395 | 0.00008 | 1.40187E-05 | 0.01396 |
| 524194.22 | 4260335.3 | 1.67364 | 0.01634 | 0.00008 | 1.40187E-05 | 0.01636 |
| 524209.22 | 4260335.3 | 1.95057 | 0.01905 | 0.00008 | 1.40187E-05 | 0.01906 |
| 524224.22 | 4260335.3 | 2.27019 | 0.02217 | 0.00008 | 1.40187E-05 | 0.02218 |
| 524239.22 | 4260335.3 | 2.63556 | 0.02574 | 0.00008 | 1.40187E-05 | 0.02575 |
| 524254.22 | 4260335.3 | 3.05462 | 0.02983 | 0.00008 | 1.40187E-05 | 0.02984 |
| 524269.22 | 4260335.3 | 3.52627 | 0.03443 | 0.00008 | 1.40187E-05 | 0.03445 |
| 524134.22 | 4260350.3 | 0.8772 | 0.00857 | 0.00006 | 1.05140E-05 | 0.00858 |
| 524149.22 | 4260350.3 | 1.03577 | 0.01011 | 0.00006 | 1.05140E-05 | 0.01013 |
| 524164.22 | 4260350.3 | 1.23145 | 0.01203 | 0.00007 | 1.22663E-05 | 0.01204 |
| 524179.22 | 4260350.3 | 1.44828 | 0.01414 | 0.00007 | 1.22663E-05 | 0.01416 |
| 524194.22 | 4260350.3 | 1.68257 | 0.01643 | 0.00007 | 1.22663E-05 | 0.01644 |
| 524209.22 | 4260350.3 | 1.94417 | 0.01899 | 0.00007 | 1.22663E-05 | 0.01900 |
| 524224.22 | 4260350.3 | 2.24221 | 0.02190 | 0.00007 | 1.22663E-05 | 0.02191 |
| 524239.22 | 4260350.3 | 2.57914 | 0.02519 | 0.00007 | 1.22663E-05 | 0.02520 |
| 524254.22 | 4260350.3 | 2.95805 | 0.02889 | 0.00007 | 1.22663E-05 | 0.02890 |
| 524269.22 | 4260350.3 | 3.37698 | 0.03298 | 0.00007 | 1.22663E-05 | 0.03299 |
| 524204.65 | 4260012.52 | 0.31841 | 0.00311 | 0.00055 | 9.63783E-05 | 0.00321 |
| 524203.43 | 4260005.01 | 0.30836 | 0.00301 | 0.00052 | 9.11213E-05 | 0.00310 |
| 524204.65 | 4259997.73 | 0.3073 | 0.00300 | 0.00048 | 8.41120E-05 | 0.00308 |
| 524204.4 | 4259988.28 | 0.30147 | 0.00294 | 0.00045 | 7.88550E-05 | 0.00302 |
| 524189.13 | 4260004.28 | 0.26697 | 0.00261 | 0.00060 | 1.05140E-04 | 0.00271 |
| 524189.37 | 4259993.85 | 0.26126 | 0.00255 | 0.00056 | 9.81306E-05 | 0.00265 |
| 524190.83 | 4259982.7 | 0.26049 | 0.00254 | 0.00053 | 9.28736E-05 | 0.00264 |
| 524246.78 | 4259946.49 | 0.47596 | 0.00465 | 0.00026 | 4.55606E-05 | 0.00469 |
| 524255.34 | 4259929.66 | 0.51151 | 0.00500 | 0.00024 | 4.20560E-05 | 0.00504 |
| 524250.49 | 4259937.65 | 0.49065 | 0.00479 | 0.00025 | 4.38083E-05 | 0.00484 |
| 524232.52 | 4259935.94 | 0.40012 | 0.00391 | 0.00029 | 5.08176E-05 | 0.00396 |
| 524220.54 | 4259937.94 | 0.35094 | 0.00343 | 0.00033 | 5.78270E-05 | 0.00348 |
| 524212.55 | 4259949.92 | 0.32376 | 0.00316 | 0.00036 | 6.30840E-05 | 0.00322 |
| 524206.28 | 4259957.62 | 0.30335 | 0.00296 | 0.00040 | 7.00933E-05 | 0.00303 |
| 524199.43 | 4259957.05 | 0.2817 | 0.00275 | 0.00044 | 7.71026E-05 | 0.00283 |
| 524188.31 | 4259954.48 | 0.25028 | 0.00244 | 0.00054 | 9.46260E-05 | 0.00254 |
| 524196.86 | 4259946.49 | 0.27341 | 0.00267 | 0.00046 | 8.06073E-05 | 0.00275 |
| 524203.71 | 4259947.63 | 0.29404 | 0.00287 | 0.00041 | 7.18456E-05 | 0.00294 |
| 524199.43 | 4259934.8 | 0.28033 | 0.00274 | 0.00044 | 7.71026E-05 | 0.00281 |
| 524206.56 | 4259925.1 | 0.30091 | 0.00294 | 0.00040 | 7.00933E-05 | 0.00301 |
| 524213.12 | 4259917.68 | 0.32103 | 0.00313 | 0.00036 | 6.30840E-05 | 0.00320 |
| 524241.93 | 4259920.25 | 0.43619 | 0.00426 | 0.00026 | 4.55606E-05 | 0.00431 |
| 524215.97 | 4259907.7 | 0.32888 | 0.00321 | 0.00035 | 6.13316E-05 | 0.00327 |
| 524221.11 | 4259892.3 | 0.34142 | 0.00333 | 0.00033 | 5.78270E-05 | 0.00339 |
| 524238.79 | 4259898.86 | 0.40795 | 0.00398 | 0.00027 | 4.73130E-05 | 0.00403 |
| 524238.79 | 4259907.98 | 0.41397 | 0.00404 | 0.00027 | 4.73130E-05 | 0.00409 |
| 524237.37 | 4259884.59 | 0.39264 | 0.00383 | 0.00028 | 4.90653E-05 | 0.00388 |
| 524214.83 | 4259881.17 | 0.31909 | 0.00312 | 0.00037 | 6.48363E-05 | 0.00318 |
| 524203.14 | 4259873.47 | 0.28624 | 0.00280 | 0.00045 | 7.88550E-05 | 0.00287 |
| 524198.29 | 4259867.19 | 0.27347 | 0.00267 | 0.00050 | 8.76166E-05 | 0.00276 |
| 524232.8 | 4259867.19 | 0.36531 | 0.00357 | 0.00031 | 5.43223E-05 | 0.00362 |
| 524233.09 | 4259857.5 | 0.35986 | 0.00351 | 0.00031 | 5.43223E-05 | 0.00357 |
| 524235.66 | 4259852.36 | 0.36372 | 0.00355 | 0.00031 | 5.43223E-05 | 0.00361 |
| 524239.65 | 4259845.51 | 0.36981 | 0.00361 | 0.00030 | 5.25700E-05 | 0.00366 |
| 524243.93 | 4259834.68 | 0.37212 | 0.00363 | 0.00030 | 5.25700E-05 | 0.00369 |
| 524250.49 | 4259823.84 | 0.37816 | 0.00369 | 0.00029 | 5.08176E-05 | 0.00374 |
| 524243.64 | 4259822.12 | 0.35904 | 0.00351 | 0.00031 | 5.43223E-05 | 0.00356 |
| 524232.8 | 4259816.13 | 0.32654 | 0.00319 | 0.00036 | 6.30840E-05 | 0.00325 |
| 524225.1 | 4259826.4 | 0.31712 | 0.00310 | 0.00038 | 6.65886E-05 | 0.00316 |
| 524218.26 | 4259836.67 | 0.30884 | 0.00302 | 0.00040 | 7.00933E-05 | 0.00309 |
| 524210.55 | 4259846.94 | 0.29539 | 0.00288 | 0.00043 | 7.53503E-05 | 0.00296 |
| 524202 | 4259857.5 | 0.27883 | 0.00272 | 0.00049 | 8.58643E-05 | 0.00281 |
| 524265.77 | 4259728.17 | 0.28432 | 0.00278 | 0.00050 | 8.76166E-05 | 0.00286 |
| 524273.47 | 4259713.63 | 0.28025 | 0.00274 | 0.00050 | 8.76166E-05 | 0.00282 |
| 524276.89 | 4259698.51 | 0.272 | 0.00266 | 0.00050 | 8.76166E-05 | 0.00274 |
| 524260.92 | 4259693.94 | 0.24685 | 0.00241 | 0.00078 | 1.36682E-04 | 0.00255 |
| 524251.79 | 4259711.06 | 0.24846 | 0.00243 | 0.00086 | 1.50701E-04 | 0.00258 |
| 524250.65 | 4259723.04 | 0.25722 | 0.00251 | 0.00076 | 1.33177E-04 | 0.00264 |
| 524265.2 | 4259620.63 | 0.20204 | 0.00197 | 0.00110 | 1.92757E-04 | 0.00217 |
| 524284.88 | 4259588.39 | 0.19856 | 0.00194 | 0.00095 | 1.66472E-04 | 0.00211 |
| 524305.71 | 4259554.73 | 0.19401 | 0.00189 | 0.00102 | 1.78738E-04 | 0.00207 |
| 524315.12 | 4259565 | 0.21004 | 0.00205 | 0.00069 | 1.20911E-04 | 0.00217 |
| 524303.99 | 4259604.08 | 0.22817 | 0.00223 | 0.00054 | 9.46260E-05 | 0.00232 |
| 524638.04 | 4260127.68 | 2.83432 | 0.02768 | 0.00002 | 3.50466E-06 | 0.02768 |
| 524645.94 | 4260114.25 | 2.45624 | 0.02399 | 0.00002 | 3.50466E-06 | 0.02399 |
| 524647.12 | 4260105.17 | 2.35648 | 0.02301 | 0.00002 | 3.50466E-06 | 0.02302 |
| 524662.52 | 4260077.53 | 1.77325 | 0.01732 | 0.00002 | 3.50466E-06 | 0.01732 |
| 524692.14 | 4260053.84 | 1.21786 | 0.01189 | 0.00002 | 3.50466E-06 | 0.01190 |
| 524752.55 | 4260050.68 | 0.80613 | 0.00787 | 0.00001 | 1.75233E-06 | 0.00787 |
| 524338.94 | 4260404.55 | 3.80975 | 0.03720 | 0.00004 | 7.00933E-06 | 0.03721 |
| 524441.43 | 4260403.88 | 4.15918 | 0.04062 | 0.00003 | 5.25700E-06 | 0.04062 |
| 524538.99 | 4260369.97 | 2.65092 | 0.02589 | 0.00002 | 3.50466E-06 | 0.02589 |
| 524566.4 | 4260356.96 | 2.37859 | 0.02323 | 0.00002 | 3.50466E-06 | 0.02323 |
| 524530.17 | 4260389.94 | 2.53701 | 0.02477 | 0.00002 | 3.50466E-06 | 0.02478 |
| 524498.28 | 4260239.21 | 14.14181 | 0.13810 | 0.00004 | 7.00933E-06 | 0.13811 |
| 524477.41 | 4260262.98 | 13.77617 | 0.13453 | 0.00004 | 7.00933E-06 | 0.13453 |
| 524494.8 | 4260256.02 | 12.46909 | 0.12176 | 0.00004 | 7.00933E-06 | 0.12177 |
| 524515.67 | 4260222.4 | 13.04118 | 0.12735 | 0.00004 | 7.00933E-06 | 0.12736 |
| 524519.73 | 4260238.63 | 10.67239 | 0.10422 | 0.00004 | 7.00933E-06 | 0.10423 |
| 524519.15 | 4260249.06 | 9.76543 | 0.09536 | 0.00003 | 5.25700E-06 | 0.09537 |
| 524529 | 4260210.8 | 12.02879 | 0.11746 | 0.00004 | 7.00933E-06 | 0.11747 |
| 524535.38 | 4260221.82 | 10.21628 | 0.09976 | 0.00003 | 5.25700E-06 | 0.09977 |
| 524534.22 | 4260237.47 | 9.04324 | 0.08831 | 0.00003 | 5.25700E-06 | 0.08831 |
| 524546.97 | 4260196.89 | 10.1477 | 0.09909 | 0.00003 | 5.25700E-06 | 0.09910 |
| 524546.97 | 4260211.38 | 9.35687 | 0.09137 | 0.00003 | 5.25700E-06 | 0.09138 |
| 524549.87 | 4260224.14 | 8.30297 | 0.08108 | 0.00003 | 5.25700E-06 | 0.08109 |
| 524560.3 | 4260187.04 | 8.84755 | 0.08640 | 0.00003 | 5.25700E-06 | 0.08640 |
| 524569 | 4260203.85 | 7.21438 | 0.07045 | 0.00003 | 5.25700E-06 | 0.07046 |
| 524580.01 | 4260180.66 | 6.91629 | 0.06754 | 0.00003 | 5.25700E-06 | 0.06754 |
| 524580.01 | 4260198.05 | 6.47651 | 0.06324 | 0.00003 | 5.25700E-06 | 0.06325 |
| 524588.13 | 4260163.27 | 6.38813 | 0.06238 | 0.00003 | 5.25700E-06 | 0.06239 |
| 524598.57 | 4260182.98 | 5.35106 | 0.05225 | 0.00003 | 5.25700E-06 | 0.05226 |
| 524596.25 | 4260169.64 | 5.61282 | 0.05481 | 0.00003 | 5.25700E-06 | 0.05482 |

## Oakmont Emerald Isle

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | Unit DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 3rd Trimester | 1 | 10 | 361 | 0.85 | 0.25 | 11.6 |
| 1 | 1 | 10 | 1090 | 0.85 | 1 | 139.6 |
| 2 | 1 | 10 | 1090 | 0.85 | 1 | 139.6 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** **No Mitigation** **at Sensitive Recptors**

**Estimated Cancer Risks from Construction DPM - Infant Receptors**

**Maximum Caner Risk**
44.9

**BAAQMD threshold of significance**
10

**Exceed thresholds?**
Yes

| X (m) | Y (m) | InfantCancer Risk (3rd Trimester) 2018 (/million) | Infant Cancer Risk (year 1) 2018 (/million) | Infant Cancer Risk (year 2) 2019 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.033 | 0.393 | 0.313 | 0.73868 |
| 524149.22 | 4260065.3 | 0.037 | 0.451 | 0.356 | 0.84427 |
| 524164.22 | 4260065.3 | 0.042 | 0.508 | 0.403 | 0.95303 |
| 524179.22 | 4260065.3 | 0.048 | 0.575 | 0.457 | 1.07929 |
| 524194.22 | 4260065.3 | 0.054 | 0.658 | 0.524 | 1.23631 |
| 524209.22 | 4260065.3 | 0.063 | 0.762 | 0.609 | 1.43423 |
| 524224.22 | 4260065.3 | 0.074 | 0.897 | 0.718 | 1.68959 |
| 524239.22 | 4260065.3 | 0.089 | 1.076 | 0.864 | 2.02897 |
| 524254.22 | 4260065.3 | 0.109 | 1.319 | 1.062 | 2.49028 |
| 524269.22 | 4260065.3 | 0.137 | 1.659 | 1.338 | 3.13418 |
| 524134.22 | 4260080.3 | 0.034 | 0.415 | 0.332 | 0.78220 |
| 524149.22 | 4260080.3 | 0.039 | 0.473 | 0.377 | 0.88884 |
| 524164.22 | 4260080.3 | 0.044 | 0.537 | 0.429 | 1.00991 |
| 524179.22 | 4260080.3 | 0.051 | 0.612 | 0.490 | 1.15252 |
| 524194.22 | 4260080.3 | 0.058 | 0.705 | 0.566 | 1.32915 |
| 524209.22 | 4260080.3 | 0.068 | 0.823 | 0.662 | 1.55362 |
| 524224.22 | 4260080.3 | 0.081 | 0.977 | 0.787 | 1.84455 |
| 524239.22 | 4260080.3 | 0.098 | 1.182 | 0.954 | 2.23365 |
| 524254.22 | 4260080.3 | 0.121 | 1.464 | 1.184 | 2.76949 |
| 524269.22 | 4260080.3 | 0.155 | 1.867 | 1.513 | 3.53454 |
| 524134.22 | 4260095.3 | 0.037 | 0.441 | 0.354 | 0.83200 |
| 524149.22 | 4260095.3 | 0.042 | 0.503 | 0.403 | 0.94753 |
| 524164.22 | 4260095.3 | 0.048 | 0.574 | 0.461 | 1.08303 |
| 524179.22 | 4260095.3 | 0.055 | 0.661 | 0.532 | 1.24766 |
| 524194.22 | 4260095.3 | 0.064 | 0.769 | 0.620 | 1.45297 |
| 524209.22 | 4260095.3 | 0.075 | 0.907 | 0.733 | 1.71511 |
| 524224.22 | 4260095.3 | 0.090 | 1.088 | 0.880 | 2.05814 |
| 524239.22 | 4260095.3 | 0.110 | 1.331 | 1.079 | 2.52008 |
| 524254.22 | 4260095.3 | 0.138 | 1.670 | 1.355 | 3.16263 |
| 524269.22 | 4260095.3 | 0.179 | 2.163 | 1.757 | 4.09842 |
| 524134.22 | 4260110.3 | 0.039 | 0.469 | 0.378 | 0.88647 |
| 524149.22 | 4260110.3 | 0.044 | 0.536 | 0.432 | 1.01335 |
| 524164.22 | 4260110.3 | 0.051 | 0.619 | 0.499 | 1.16990 |
| 524179.22 | 4260110.3 | 0.060 | 0.721 | 0.582 | 1.36226 |
| 524194.22 | 4260110.3 | 0.070 | 0.849 | 0.686 | 1.60537 |
| 524209.22 | 4260110.3 | 0.084 | 1.014 | 0.821 | 1.91828 |
| 524224.22 | 4260110.3 | 0.102 | 1.231 | 0.998 | 2.33099 |
| 524239.22 | 4260110.3 | 0.126 | 1.526 | 1.239 | 2.89202 |
| 524254.22 | 4260110.3 | 0.161 | 1.942 | 1.578 | 3.68061 |
| 524269.22 | 4260110.3 | 0.211 | 2.549 | 2.073 | 4.83336 |
| 524134.22 | 4260125.3 | 0.041 | 0.501 | 0.405 | 0.94733 |
| 524149.22 | 4260125.3 | 0.048 | 0.576 | 0.466 | 1.09020 |
| 524164.22 | 4260125.3 | 0.056 | 0.671 | 0.542 | 1.26854 |
| 524179.22 | 4260125.3 | 0.065 | 0.789 | 0.639 | 1.49353 |
| 524194.22 | 4260125.3 | 0.078 | 0.941 | 0.763 | 1.78194 |
| 524209.22 | 4260125.3 | 0.094 | 1.140 | 0.925 | 2.15845 |
| 524224.22 | 4260125.3 | 0.116 | 1.402 | 1.139 | 2.65744 |
| 524239.22 | 4260125.3 | 0.146 | 1.763 | 1.433 | 3.34296 |
| 524254.22 | 4260125.3 | 0.188 | 2.274 | 1.850 | 4.31303 |
| 524269.22 | 4260125.3 | 0.251 | 3.026 | 2.463 | 5.74023 |
| 524134.22 | 4260140.3 | 0.044 | 0.536 | 0.434 | 1.01415 |
| 524149.22 | 4260140.3 | 0.051 | 0.621 | 0.503 | 1.17472 |
| 524164.22 | 4260140.3 | 0.060 | 0.729 | 0.591 | 1.37991 |
| 524179.22 | 4260140.3 | 0.072 | 0.867 | 0.703 | 1.64196 |
| 524194.22 | 4260140.3 | 0.087 | 1.046 | 0.849 | 1.98153 |
| 524209.22 | 4260140.3 | 0.106 | 1.283 | 1.042 | 2.43064 |
| 524224.22 | 4260140.3 | 0.132 | 1.600 | 1.301 | 3.03280 |
| 524239.22 | 4260140.3 | 0.169 | 2.039 | 1.659 | 3.86651 |
| 524254.22 | 4260140.3 | 0.220 | 2.661 | 2.166 | 5.04721 |
| 524269.22 | 4260140.3 | 0.296 | 3.579 | 2.915 | 6.78971 |
| 524134.22 | 4260155.3 | 0.048 | 0.575 | 0.466 | 1.08916 |
| 524149.22 | 4260155.3 | 0.055 | 0.668 | 0.542 | 1.26591 |
| 524164.22 | 4260155.3 | 0.066 | 0.791 | 0.642 | 1.49931 |
| 524179.22 | 4260155.3 | 0.079 | 0.951 | 0.773 | 1.80280 |
| 524194.22 | 4260155.3 | 0.096 | 1.156 | 0.940 | 2.19134 |
| 524209.22 | 4260155.3 | 0.118 | 1.428 | 1.161 | 2.70734 |
| 524224.22 | 4260155.3 | 0.149 | 1.803 | 1.467 | 3.41971 |
| 524239.22 | 4260155.3 | 0.193 | 2.330 | 1.897 | 4.42017 |
| 524254.22 | 4260155.3 | 0.255 | 3.075 | 2.505 | 5.83446 |
| 524269.22 | 4260155.3 | 0.345 | 4.170 | 3.398 | 7.91275 |
| 524134.22 | 4260170.3 | 0.051 | 0.621 | 0.505 | 1.17750 |
| 524149.22 | 4260170.3 | 0.060 | 0.725 | 0.589 | 1.37466 |
| 524164.22 | 4260170.3 | 0.071 | 0.863 | 0.702 | 1.63658 |
| 524179.22 | 4260170.3 | 0.087 | 1.045 | 0.850 | 1.98189 |
| 524194.22 | 4260170.3 | 0.106 | 1.279 | 1.040 | 2.42558 |
| 524209.22 | 4260170.3 | 0.131 | 1.587 | 1.291 | 3.00984 |
| 524224.22 | 4260170.3 | 0.167 | 2.021 | 1.646 | 3.83435 |
| 524239.22 | 4260170.3 | 0.218 | 2.634 | 2.145 | 4.99725 |
| 524254.22 | 4260170.3 | 0.290 | 3.499 | 2.851 | 6.63906 |
| 524269.22 | 4260170.3 | 0.395 | 4.765 | 3.884 | 9.04388 |
| 524134.22 | 4260185.3 | 0.057 | 0.685 | 0.556 | 1.29782 |
| 524149.22 | 4260185.3 | 0.066 | 0.802 | 0.652 | 1.51977 |
| 524164.22 | 4260185.3 | 0.079 | 0.955 | 0.776 | 1.80983 |
| 524179.22 | 4260185.3 | 0.096 | 1.155 | 0.939 | 2.18958 |
| 524194.22 | 4260185.3 | 0.118 | 1.420 | 1.156 | 2.69324 |
| 524209.22 | 4260185.3 | 0.147 | 1.775 | 1.445 | 3.36626 |
| 524224.22 | 4260185.3 | 0.187 | 2.259 | 1.839 | 4.28504 |
| 524239.22 | 4260185.3 | 0.243 | 2.936 | 2.392 | 5.57119 |
| 524254.22 | 4260185.3 | 0.322 | 3.890 | 3.170 | 7.38233 |
| 524269.22 | 4260185.3 | 0.437 | 5.282 | 4.305 | 10.02429 |
| 524134.22 | 4260200.3 | 0.063 | 0.759 | 0.617 | 1.43948 |
| 524149.22 | 4260200.3 | 0.074 | 0.892 | 0.725 | 1.69051 |
| 524164.22 | 4260200.3 | 0.088 | 1.060 | 0.863 | 2.01108 |
| 524179.22 | 4260200.3 | 0.106 | 1.278 | 1.040 | 2.42468 |
| 524194.22 | 4260200.3 | 0.130 | 1.574 | 1.281 | 2.98537 |
| 524209.22 | 4260200.3 | 0.163 | 1.975 | 1.608 | 3.74638 |
| 524224.22 | 4260200.3 | 0.207 | 2.505 | 2.041 | 4.75414 |
| 524239.22 | 4260200.3 | 0.268 | 3.232 | 2.634 | 6.13384 |
| 524254.22 | 4260200.3 | 0.352 | 4.251 | 3.465 | 8.06857 |
| 524269.22 | 4260200.3 | 0.474 | 5.719 | 4.663 | 10.85571 |
| 524134.22 | 4260215.3 | 0.071 | 0.854 | 0.695 | 1.61895 |
| 524149.22 | 4260215.3 | 0.083 | 1.002 | 0.815 | 1.89982 |
| 524164.22 | 4260215.3 | 0.098 | 1.190 | 0.968 | 2.25624 |
| 524179.22 | 4260215.3 | 0.118 | 1.429 | 1.164 | 2.71154 |
| 524194.22 | 4260215.3 | 0.145 | 1.756 | 1.430 | 3.33096 |
| 524209.22 | 4260215.3 | 0.182 | 2.194 | 1.787 | 4.16239 |
| 524224.22 | 4260215.3 | 0.229 | 2.769 | 2.256 | 5.25453 |
| 524239.22 | 4260215.3 | 0.292 | 3.531 | 2.878 | 6.70042 |
| 524254.22 | 4260215.3 | 0.380 | 4.587 | 3.739 | 8.70567 |
| 524269.22 | 4260215.3 | 0.502 | 6.061 | 4.941 | 11.50359 |
| 524134.22 | 4260230.3 | 0.079 | 0.950 | 0.774 | 1.80297 |
| 524149.22 | 4260230.3 | 0.092 | 1.117 | 0.909 | 2.11871 |
| 524164.22 | 4260230.3 | 0.110 | 1.324 | 1.078 | 2.51086 |
| 524179.22 | 4260230.3 | 0.131 | 1.582 | 1.289 | 3.00186 |
| 524194.22 | 4260230.3 | 0.160 | 1.935 | 1.576 | 3.67094 |
| 524209.22 | 4260230.3 | 0.199 | 2.409 | 1.963 | 4.57104 |
| 524224.22 | 4260230.3 | 0.250 | 3.014 | 2.456 | 5.71998 |
| 524239.22 | 4260230.3 | 0.315 | 3.801 | 3.099 | 7.21461 |
| 524254.22 | 4260230.3 | 0.403 | 4.863 | 3.965 | 9.23084 |
| 524269.22 | 4260230.3 | 0.521 | 6.292 | 5.130 | 11.94302 |
| 524134.22 | 4260245.3 | 0.086 | 1.045 | 0.851 | 1.98162 |
| 524149.22 | 4260245.3 | 0.102 | 1.234 | 1.005 | 2.34042 |
| 524164.22 | 4260245.3 | 0.121 | 1.459 | 1.189 | 2.76891 |
| 524179.22 | 4260245.3 | 0.143 | 1.730 | 1.410 | 3.28323 |
| 524194.22 | 4260245.3 | 0.174 | 2.104 | 1.714 | 3.99163 |
| 524209.22 | 4260245.3 | 0.216 | 2.606 | 2.124 | 4.94621 |
| 524224.22 | 4260245.3 | 0.268 | 3.239 | 2.640 | 6.14754 |
| 524239.22 | 4260245.3 | 0.335 | 4.047 | 3.299 | 7.68035 |
| 524254.22 | 4260245.3 | 0.422 | 5.097 | 4.155 | 9.67436 |
| 524269.22 | 4260245.3 | 0.535 | 6.460 | 5.267 | 12.26253 |
| 524134.22 | 4260260.3 | 0.094 | 1.131 | 0.921 | 2.14634 |
| 524149.22 | 4260260.3 | 0.111 | 1.344 | 1.095 | 2.54973 |
| 524164.22 | 4260260.3 | 0.132 | 1.592 | 1.297 | 3.02108 |
| 524179.22 | 4260260.3 | 0.156 | 1.879 | 1.531 | 3.56549 |
| 524194.22 | 4260260.3 | 0.188 | 2.266 | 1.847 | 4.30054 |
| 524209.22 | 4260260.3 | 0.231 | 2.785 | 2.270 | 5.28508 |
| 524224.22 | 4260260.3 | 0.284 | 3.429 | 2.795 | 6.50732 |
| 524239.22 | 4260260.3 | 0.350 | 4.232 | 3.450 | 8.03321 |
| 524254.22 | 4260260.3 | 0.435 | 5.249 | 4.279 | 9.96277 |
| 524269.22 | 4260260.3 | 0.540 | 6.524 | 5.320 | 12.38400 |
| 524134.22 | 4260275.3 | 0.098 | 1.185 | 0.965 | 2.24814 |
| 524149.22 | 4260275.3 | 0.119 | 1.443 | 1.176 | 2.73790 |
| 524164.22 | 4260275.3 | 0.142 | 1.719 | 1.400 | 3.26133 |
| 524179.22 | 4260275.3 | 0.168 | 2.034 | 1.658 | 3.86076 |
| 524194.22 | 4260275.3 | 0.202 | 2.435 | 1.985 | 4.62148 |
| 524209.22 | 4260275.3 | 0.244 | 2.948 | 2.403 | 5.59561 |
| 524224.22 | 4260275.3 | 0.297 | 3.581 | 2.920 | 6.79720 |
| 524239.22 | 4260275.3 | 0.361 | 4.361 | 3.555 | 8.27714 |
| 524254.22 | 4260275.3 | 0.442 | 5.335 | 4.350 | 10.12629 |
| 524269.22 | 4260275.3 | 0.541 | 6.531 | 5.325 | 12.39663 |
| 524134.22 | 4260290.3 | 0.102 | 1.233 | 1.005 | 2.34051 |
| 524149.22 | 4260290.3 | 0.125 | 1.505 | 1.226 | 2.85607 |
| 524164.22 | 4260290.3 | 0.151 | 1.824 | 1.486 | 3.46083 |
| 524179.22 | 4260290.3 | 0.179 | 2.167 | 1.766 | 4.11246 |
| 524194.22 | 4260290.3 | 0.213 | 2.579 | 2.102 | 4.89394 |
| 524209.22 | 4260290.3 | 0.255 | 3.081 | 2.512 | 5.84858 |
| 524224.22 | 4260290.3 | 0.306 | 3.697 | 3.014 | 7.01726 |
| 524239.22 | 4260290.3 | 0.367 | 4.438 | 3.618 | 8.42349 |
| 524254.22 | 4260290.3 | 0.443 | 5.356 | 4.367 | 10.16649 |
| 524269.22 | 4260290.3 | 0.534 | 6.455 | 5.263 | 12.25208 |
| 524134.22 | 4260305.3 | 0.107 | 1.297 | 1.057 | 2.46100 |
| 524149.22 | 4260305.3 | 0.129 | 1.561 | 1.272 | 2.96234 |
| 524164.22 | 4260305.3 | 0.158 | 1.909 | 1.556 | 3.62251 |
| 524179.22 | 4260305.3 | 0.188 | 2.269 | 1.849 | 4.30587 |
| 524194.22 | 4260305.3 | 0.223 | 2.692 | 2.195 | 5.10972 |
| 524209.22 | 4260305.3 | 0.264 | 3.189 | 2.600 | 6.05268 |
| 524224.22 | 4260305.3 | 0.313 | 3.784 | 3.085 | 7.18290 |
| 524239.22 | 4260305.3 | 0.372 | 4.487 | 3.659 | 8.51789 |
| 524254.22 | 4260305.3 | 0.441 | 5.329 | 4.346 | 10.11613 |
| 524269.22 | 4260305.3 | 0.523 | 6.313 | 5.148 | 11.98302 |
| 524134.22 | 4260320.3 | 0.112 | 1.355 | 1.104 | 2.57143 |
| 524149.22 | 4260320.3 | 0.134 | 1.616 | 1.317 | 3.06652 |
| 524164.22 | 4260320.3 | 0.161 | 1.950 | 1.589 | 3.70089 |
| 524179.22 | 4260320.3 | 0.194 | 2.340 | 1.907 | 4.44076 |
| 524194.22 | 4260320.3 | 0.229 | 2.764 | 2.253 | 5.24569 |
| 524209.22 | 4260320.3 | 0.269 | 3.250 | 2.650 | 6.16930 |
| 524224.22 | 4260320.3 | 0.316 | 3.818 | 3.113 | 7.24672 |
| 524239.22 | 4260320.3 | 0.371 | 4.476 | 3.650 | 8.49695 |
| 524254.22 | 4260320.3 | 0.434 | 5.245 | 4.277 | 9.95553 |
| 524269.22 | 4260320.3 | 0.506 | 6.117 | 4.988 | 11.61121 |
| 524134.22 | 4260335.3 | 0.117 | 1.415 | 1.153 | 2.68471 |
| 524149.22 | 4260335.3 | 0.139 | 1.678 | 1.368 | 3.18514 |
| 524164.22 | 4260335.3 | 0.166 | 2.009 | 1.638 | 3.81379 |
| 524179.22 | 4260335.3 | 0.198 | 2.391 | 1.949 | 4.53828 |
| 524194.22 | 4260335.3 | 0.232 | 2.801 | 2.284 | 5.31674 |
| 524209.22 | 4260335.3 | 0.270 | 3.264 | 2.661 | 6.19551 |
| 524224.22 | 4260335.3 | 0.314 | 3.798 | 3.097 | 7.20975 |
| 524239.22 | 4260335.3 | 0.365 | 4.409 | 3.595 | 8.36916 |
| 524254.22 | 4260335.3 | 0.423 | 5.109 | 4.166 | 9.69894 |
| 524269.22 | 4260335.3 | 0.488 | 5.898 | 4.809 | 11.19561 |
| 524134.22 | 4260350.3 | 0.122 | 1.469 | 1.197 | 2.78797 |
| 524149.22 | 4260350.3 | 0.144 | 1.734 | 1.414 | 3.29115 |
| 524164.22 | 4260350.3 | 0.171 | 2.062 | 1.681 | 3.91283 |
| 524179.22 | 4260350.3 | 0.201 | 2.424 | 1.976 | 4.60088 |
| 524194.22 | 4260350.3 | 0.233 | 2.816 | 2.296 | 5.34435 |
| 524209.22 | 4260350.3 | 0.269 | 3.253 | 2.652 | 6.17447 |
| 524224.22 | 4260350.3 | 0.311 | 3.751 | 3.059 | 7.12023 |
| 524239.22 | 4260350.3 | 0.357 | 4.314 | 3.518 | 8.18939 |
| 524254.22 | 4260350.3 | 0.410 | 4.948 | 4.034 | 9.39177 |
| 524269.22 | 4260350.3 | 0.468 | 5.648 | 4.606 | 10.72114 |
| 524204.65 | 4260012.52 | 0.046 | 0.557 | 0.448 | 1.05063 |
| 524203.43 | 4260005.01 | 0.045 | 0.539 | 0.433 | 1.01654 |
| 524204.65 | 4259997.73 | 0.044 | 0.535 | 0.431 | 1.01025 |
| 524204.4 | 4259988.28 | 0.043 | 0.524 | 0.422 | 0.98956 |
| 524189.13 | 4260004.28 | 0.039 | 0.473 | 0.379 | 0.89105 |
| 524189.37 | 4259993.85 | 0.038 | 0.462 | 0.370 | 0.87001 |
| 524190.83 | 4259982.7 | 0.038 | 0.459 | 0.368 | 0.86537 |
| 524246.78 | 4259946.49 | 0.067 | 0.807 | 0.655 | 1.52936 |
| 524255.34 | 4259929.66 | 0.072 | 0.866 | 0.703 | 1.64071 |
| 524250.49 | 4259937.65 | 0.069 | 0.831 | 0.675 | 1.57524 |
| 524232.52 | 4259935.94 | 0.056 | 0.682 | 0.553 | 1.29090 |
| 524220.54 | 4259937.94 | 0.050 | 0.601 | 0.487 | 1.13776 |
| 524212.55 | 4259949.92 | 0.046 | 0.557 | 0.450 | 1.05371 |
| 524206.28 | 4259957.62 | 0.043 | 0.525 | 0.423 | 0.99187 |
| 524199.43 | 4259957.05 | 0.041 | 0.491 | 0.395 | 0.92609 |
| 524188.31 | 4259954.48 | 0.037 | 0.443 | 0.354 | 0.83370 |
| 524196.86 | 4259946.49 | 0.040 | 0.478 | 0.384 | 0.90125 |
| 524203.71 | 4259947.63 | 0.042 | 0.510 | 0.411 | 0.96305 |
| 524199.43 | 4259934.8 | 0.040 | 0.488 | 0.393 | 0.92174 |
| 524206.56 | 4259925.1 | 0.043 | 0.521 | 0.420 | 0.98412 |
| 524213.12 | 4259917.68 | 0.046 | 0.553 | 0.446 | 1.04504 |
| 524241.93 | 4259920.25 | 0.061 | 0.741 | 0.601 | 1.40316 |
| 524215.97 | 4259907.7 | 0.047 | 0.565 | 0.457 | 1.06922 |
| 524221.11 | 4259892.3 | 0.048 | 0.586 | 0.474 | 1.10755 |
| 524238.79 | 4259898.86 | 0.057 | 0.694 | 0.563 | 1.31428 |
| 524238.79 | 4259907.98 | 0.058 | 0.704 | 0.571 | 1.33338 |
| 524237.37 | 4259884.59 | 0.055 | 0.669 | 0.542 | 1.26643 |
| 524214.83 | 4259881.17 | 0.046 | 0.550 | 0.444 | 1.03962 |
| 524203.14 | 4259873.47 | 0.041 | 0.499 | 0.401 | 0.94123 |
| 524198.29 | 4259867.19 | 0.040 | 0.480 | 0.385 | 0.90436 |
| 524232.8 | 4259867.19 | 0.052 | 0.625 | 0.506 | 1.18190 |
| 524233.09 | 4259857.5 | 0.051 | 0.615 | 0.498 | 1.16460 |
| 524235.66 | 4259852.36 | 0.051 | 0.622 | 0.503 | 1.17685 |
| 524239.65 | 4259845.51 | 0.052 | 0.632 | 0.512 | 1.19545 |
| 524243.93 | 4259834.68 | 0.053 | 0.635 | 0.515 | 1.20278 |
| 524250.49 | 4259823.84 | 0.053 | 0.645 | 0.523 | 1.22121 |
| 524243.64 | 4259822.12 | 0.051 | 0.614 | 0.497 | 1.16200 |
| 524232.8 | 4259816.13 | 0.047 | 0.562 | 0.454 | 1.06253 |
| 524225.1 | 4259826.4 | 0.045 | 0.547 | 0.442 | 1.03410 |
| 524218.26 | 4259836.67 | 0.044 | 0.534 | 0.431 | 1.00929 |
| 524210.55 | 4259846.94 | 0.042 | 0.513 | 0.413 | 0.96880 |
| 524202 | 4259857.5 | 0.040 | 0.488 | 0.392 | 0.92064 |
| 524265.77 | 4259728.17 | 0.041 | 0.498 | 0.400 | 0.93879 |
| 524273.47 | 4259713.63 | 0.041 | 0.491 | 0.394 | 0.92588 |
| 524276.89 | 4259698.51 | 0.040 | 0.477 | 0.383 | 0.89970 |
| 524260.92 | 4259693.94 | 0.037 | 0.448 | 0.356 | 0.84037 |
| 524251.79 | 4259711.06 | 0.038 | 0.454 | 0.360 | 0.85133 |
| 524250.65 | 4259723.04 | 0.038 | 0.464 | 0.369 | 0.87182 |
| 524265.2 | 4259620.63 | 0.032 | 0.387 | 0.302 | 0.72159 |
| 524284.88 | 4259588.39 | 0.031 | 0.375 | 0.294 | 0.69957 |
| 524305.71 | 4259554.73 | 0.031 | 0.370 | 0.289 | 0.69025 |
| 524315.12 | 4259565 | 0.032 | 0.382 | 0.303 | 0.71698 |
| 524303.99 | 4259604.08 | 0.034 | 0.406 | 0.324 | 0.76354 |
| 524638.04 | 4260127.68 | 0.392 | 4.739 | 3.865 | 8.99549 |
| 524645.94 | 4260114.25 | 0.340 | 4.107 | 3.349 | 7.79574 |
| 524647.12 | 4260105.17 | 0.326 | 3.940 | 3.213 | 7.47918 |
| 524662.52 | 4260077.53 | 0.245 | 2.965 | 2.418 | 5.62844 |
| 524692.14 | 4260053.84 | 0.169 | 2.037 | 1.661 | 3.86604 |
| 524752.55 | 4260050.68 | 0.112 | 1.348 | 1.099 | 2.55879 |
| 524338.94 | 4260404.55 | 0.527 | 6.370 | 5.195 | 12.09224 |
| 524441.43 | 4260403.88 | 0.576 | 6.954 | 5.671 | 13.20034 |
| 524538.99 | 4260369.97 | 0.367 | 4.432 | 3.615 | 8.41351 |
| 524566.4 | 4260356.96 | 0.329 | 3.977 | 3.243 | 7.54934 |
| 524530.17 | 4260389.94 | 0.351 | 4.242 | 3.459 | 8.05205 |
| 524498.28 | 4260239.21 | 1.957 | 23.640 | 19.281 | 44.87851 |
| 524477.41 | 4260262.98 | 1.907 | 23.029 | 18.782 | 43.71824 |
| 524494.8 | 4260256.02 | 1.726 | 20.844 | 17.000 | 39.57054 |
| 524515.67 | 4260222.4 | 1.805 | 21.801 | 17.780 | 41.38593 |
| 524519.73 | 4260238.63 | 1.477 | 17.841 | 14.551 | 33.86915 |
| 524519.15 | 4260249.06 | 1.352 | 16.325 | 13.314 | 30.99040 |
| 524529 | 4260210.8 | 1.665 | 20.108 | 16.400 | 38.17336 |
| 524535.38 | 4260221.82 | 1.414 | 17.078 | 13.929 | 32.42107 |
| 524534.22 | 4260237.47 | 1.252 | 15.117 | 12.330 | 28.69871 |
| 524546.97 | 4260196.89 | 1.405 | 16.964 | 13.835 | 32.20344 |
| 524546.97 | 4260211.38 | 1.295 | 15.642 | 12.757 | 29.69394 |
| 524549.87 | 4260224.14 | 1.149 | 13.880 | 11.320 | 26.34964 |
| 524560.3 | 4260187.04 | 1.225 | 14.790 | 12.063 | 28.07774 |
| 524569 | 4260203.85 | 0.999 | 12.060 | 9.836 | 22.89527 |
| 524580.01 | 4260180.66 | 0.957 | 11.562 | 9.430 | 21.94935 |
| 524580.01 | 4260198.05 | 0.896 | 10.827 | 8.830 | 20.55382 |
| 524588.13 | 4260163.27 | 0.884 | 10.679 | 8.710 | 20.27337 |
| 524598.57 | 4260182.98 | 0.741 | 8.946 | 7.296 | 16.98248 |
| 524596.25 | 4260169.64 | 0.777 | 9.383 | 7.653 | 17.81311 |

## Oakmont Emerald Isle

**No Mitigation**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child**
**UTM: (565046,4185977)**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 1 | 1 | 3 | 572 | 0.73 | 1 | 18.9 |
| 2 | 1 | 3 | 572 | 0.73 | 1 | 18.9 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** **No Mitigation** **at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM**

**Maximum Caner Risk**
6
**BAAQMD threshold of significance**
10
**Exceed thresholds?**
No

| X (m) | Y (m) | Child Cancer Risk (year 1) 2017 (/million) | Child Cancer Risk (year 2) 2017 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.053 | 0.042 | 0.09547 |
| 524149.22 | 4260065.3 | 0.061 | 0.048 | 0.10910 |
| 524164.22 | 4260065.3 | 0.069 | 0.054 | 0.12316 |
| 524179.22 | 4260065.3 | 0.078 | 0.062 | 0.13949 |
| 524194.22 | 4260065.3 | 0.089 | 0.071 | 0.15979 |
| 524209.22 | 4260065.3 | 0.103 | 0.082 | 0.18538 |
| 524224.22 | 4260065.3 | 0.121 | 0.097 | 0.21840 |
| 524239.22 | 4260065.3 | 0.145 | 0.117 | 0.26228 |
| 524254.22 | 4260065.3 | 0.178 | 0.144 | 0.32193 |
| 524269.22 | 4260065.3 | 0.224 | 0.181 | 0.40519 |
| 524134.22 | 4260080.3 | 0.056 | 0.045 | 0.10111 |
| 524149.22 | 4260080.3 | 0.064 | 0.051 | 0.11489 |
| 524164.22 | 4260080.3 | 0.073 | 0.058 | 0.13054 |
| 524179.22 | 4260080.3 | 0.083 | 0.066 | 0.14898 |
| 524194.22 | 4260080.3 | 0.095 | 0.077 | 0.17182 |
| 524209.22 | 4260080.3 | 0.111 | 0.090 | 0.20084 |
| 524224.22 | 4260080.3 | 0.132 | 0.106 | 0.23846 |
| 524239.22 | 4260080.3 | 0.160 | 0.129 | 0.28877 |
| 524254.22 | 4260080.3 | 0.198 | 0.160 | 0.35806 |
| 524269.22 | 4260080.3 | 0.252 | 0.205 | 0.45699 |
| 524134.22 | 4260095.3 | 0.060 | 0.048 | 0.10755 |
| 524149.22 | 4260095.3 | 0.068 | 0.055 | 0.12248 |
| 524164.22 | 4260095.3 | 0.078 | 0.062 | 0.14000 |
| 524179.22 | 4260095.3 | 0.089 | 0.072 | 0.16129 |
| 524194.22 | 4260095.3 | 0.104 | 0.084 | 0.18784 |
| 524209.22 | 4260095.3 | 0.123 | 0.099 | 0.22174 |
| 524224.22 | 4260095.3 | 0.147 | 0.119 | 0.26609 |
| 524239.22 | 4260095.3 | 0.180 | 0.146 | 0.32582 |
| 524254.22 | 4260095.3 | 0.226 | 0.183 | 0.40891 |
| 524269.22 | 4260095.3 | 0.292 | 0.237 | 0.52992 |
| 524134.22 | 4260110.3 | 0.063 | 0.051 | 0.11460 |
| 524149.22 | 4260110.3 | 0.073 | 0.058 | 0.13101 |
| 524164.22 | 4260110.3 | 0.084 | 0.068 | 0.15124 |
| 524179.22 | 4260110.3 | 0.097 | 0.079 | 0.17612 |
| 524194.22 | 4260110.3 | 0.115 | 0.093 | 0.20755 |
| 524209.22 | 4260110.3 | 0.137 | 0.111 | 0.24802 |
| 524224.22 | 4260110.3 | 0.166 | 0.135 | 0.30138 |
| 524239.22 | 4260110.3 | 0.206 | 0.168 | 0.37393 |
| 524254.22 | 4260110.3 | 0.263 | 0.213 | 0.47590 |
| 524269.22 | 4260110.3 | 0.345 | 0.280 | 0.62496 |
| 524134.22 | 4260125.3 | 0.068 | 0.055 | 0.12248 |
| 524149.22 | 4260125.3 | 0.078 | 0.063 | 0.14095 |
| 524164.22 | 4260125.3 | 0.091 | 0.073 | 0.16401 |
| 524179.22 | 4260125.3 | 0.107 | 0.086 | 0.19310 |
| 524194.22 | 4260125.3 | 0.127 | 0.103 | 0.23039 |
| 524209.22 | 4260125.3 | 0.154 | 0.125 | 0.27908 |
| 524224.22 | 4260125.3 | 0.190 | 0.154 | 0.34360 |
| 524239.22 | 4260125.3 | 0.238 | 0.194 | 0.43225 |
| 524254.22 | 4260125.3 | 0.308 | 0.250 | 0.55768 |
| 524269.22 | 4260125.3 | 0.409 | 0.333 | 0.74223 |
| 524134.22 | 4260140.3 | 0.072 | 0.059 | 0.13112 |
| 524149.22 | 4260140.3 | 0.084 | 0.068 | 0.15188 |
| 524164.22 | 4260140.3 | 0.099 | 0.080 | 0.17841 |
| 524179.22 | 4260140.3 | 0.117 | 0.095 | 0.21230 |
| 524194.22 | 4260140.3 | 0.141 | 0.115 | 0.25620 |
| 524209.22 | 4260140.3 | 0.173 | 0.141 | 0.31428 |
| 524224.22 | 4260140.3 | 0.216 | 0.176 | 0.39214 |
| 524239.22 | 4260140.3 | 0.276 | 0.224 | 0.49995 |
| 524254.22 | 4260140.3 | 0.360 | 0.293 | 0.65262 |
| 524269.22 | 4260140.3 | 0.484 | 0.394 | 0.87794 |
| 524134.22 | 4260155.3 | 0.078 | 0.063 | 0.14082 |
| 524149.22 | 4260155.3 | 0.090 | 0.073 | 0.16368 |
| 524164.22 | 4260155.3 | 0.107 | 0.087 | 0.19386 |
| 524179.22 | 4260155.3 | 0.129 | 0.104 | 0.23310 |
| 524194.22 | 4260155.3 | 0.156 | 0.127 | 0.28334 |
| 524209.22 | 4260155.3 | 0.193 | 0.157 | 0.35006 |
| 524224.22 | 4260155.3 | 0.244 | 0.198 | 0.44218 |
| 524239.22 | 4260155.3 | 0.315 | 0.256 | 0.57155 |
| 524254.22 | 4260155.3 | 0.416 | 0.339 | 0.75443 |
| 524269.22 | 4260155.3 | 0.564 | 0.459 | 1.02317 |
| 524134.22 | 4260170.3 | 0.084 | 0.068 | 0.15225 |
| 524149.22 | 4260170.3 | 0.098 | 0.080 | 0.17774 |
| 524164.22 | 4260170.3 | 0.117 | 0.095 | 0.21161 |
| 524179.22 | 4260170.3 | 0.141 | 0.115 | 0.25626 |
| 524194.22 | 4260170.3 | 0.173 | 0.141 | 0.31363 |
| 524209.22 | 4260170.3 | 0.215 | 0.175 | 0.38918 |
| 524224.22 | 4260170.3 | 0.273 | 0.222 | 0.49580 |
| 524239.22 | 4260170.3 | 0.356 | 0.290 | 0.64617 |
| 524254.22 | 4260170.3 | 0.473 | 0.385 | 0.85847 |
| 524269.22 | 4260170.3 | 0.644 | 0.525 | 1.16944 |
| 524134.22 | 4260185.3 | 0.093 | 0.075 | 0.16781 |
| 524149.22 | 4260185.3 | 0.108 | 0.088 | 0.19651 |
| 524164.22 | 4260185.3 | 0.129 | 0.105 | 0.23401 |
| 524179.22 | 4260185.3 | 0.156 | 0.127 | 0.28312 |
| 524194.22 | 4260185.3 | 0.192 | 0.156 | 0.34824 |
| 524209.22 | 4260185.3 | 0.240 | 0.195 | 0.43527 |
| 524224.22 | 4260185.3 | 0.305 | 0.249 | 0.55408 |
| 524239.22 | 4260185.3 | 0.397 | 0.323 | 0.72039 |
| 524254.22 | 4260185.3 | 0.526 | 0.429 | 0.95458 |
| 524269.22 | 4260185.3 | 0.714 | 0.582 | 1.29621 |
| 524134.22 | 4260200.3 | 0.103 | 0.083 | 0.18613 |
| 524149.22 | 4260200.3 | 0.121 | 0.098 | 0.21859 |
| 524164.22 | 4260200.3 | 0.143 | 0.117 | 0.26004 |
| 524179.22 | 4260200.3 | 0.173 | 0.141 | 0.31352 |
| 524194.22 | 4260200.3 | 0.213 | 0.173 | 0.38602 |
| 524209.22 | 4260200.3 | 0.267 | 0.217 | 0.48443 |
| 524224.22 | 4260200.3 | 0.339 | 0.276 | 0.61474 |
| 524239.22 | 4260200.3 | 0.437 | 0.356 | 0.79315 |
| 524254.22 | 4260200.3 | 0.575 | 0.469 | 1.04332 |
| 524269.22 | 4260200.3 | 0.773 | 0.630 | 1.40372 |
| 524134.22 | 4260215.3 | 0.115 | 0.094 | 0.20933 |
| 524149.22 | 4260215.3 | 0.135 | 0.110 | 0.24565 |
| 524164.22 | 4260215.3 | 0.161 | 0.131 | 0.29174 |
| 524179.22 | 4260215.3 | 0.193 | 0.157 | 0.35061 |
| 524194.22 | 4260215.3 | 0.237 | 0.193 | 0.43071 |
| 524209.22 | 4260215.3 | 0.297 | 0.242 | 0.53822 |
| 524224.22 | 4260215.3 | 0.374 | 0.305 | 0.67944 |
| 524239.22 | 4260215.3 | 0.477 | 0.389 | 0.86641 |
| 524254.22 | 4260215.3 | 0.620 | 0.506 | 1.12571 |
| 524269.22 | 4260215.3 | 0.819 | 0.668 | 1.48750 |
| 524134.22 | 4260230.3 | 0.129 | 0.105 | 0.23313 |
| 524149.22 | 4260230.3 | 0.151 | 0.123 | 0.27396 |
| 524164.22 | 4260230.3 | 0.179 | 0.146 | 0.32467 |
| 524179.22 | 4260230.3 | 0.214 | 0.174 | 0.38816 |
| 524194.22 | 4260230.3 | 0.262 | 0.213 | 0.47467 |
| 524209.22 | 4260230.3 | 0.326 | 0.265 | 0.59106 |
| 524224.22 | 4260230.3 | 0.408 | 0.332 | 0.73963 |
| 524239.22 | 4260230.3 | 0.514 | 0.419 | 0.93290 |
| 524254.22 | 4260230.3 | 0.658 | 0.536 | 1.19362 |
| 524269.22 | 4260230.3 | 0.851 | 0.694 | 1.54433 |
| 524134.22 | 4260245.3 | 0.141 | 0.115 | 0.25623 |
| 524149.22 | 4260245.3 | 0.167 | 0.136 | 0.30263 |
| 524164.22 | 4260245.3 | 0.197 | 0.161 | 0.35803 |
| 524179.22 | 4260245.3 | 0.234 | 0.191 | 0.42454 |
| 524194.22 | 4260245.3 | 0.284 | 0.232 | 0.51614 |
| 524209.22 | 4260245.3 | 0.352 | 0.287 | 0.63958 |
| 524224.22 | 4260245.3 | 0.438 | 0.357 | 0.79492 |
| 524239.22 | 4260245.3 | 0.547 | 0.446 | 0.99313 |
| 524254.22 | 4260245.3 | 0.689 | 0.562 | 1.25097 |
| 524269.22 | 4260245.3 | 0.873 | 0.712 | 1.58564 |
| 524134.22 | 4260260.3 | 0.153 | 0.125 | 0.27753 |
| 524149.22 | 4260260.3 | 0.182 | 0.148 | 0.32969 |
| 524164.22 | 4260260.3 | 0.215 | 0.175 | 0.39064 |
| 524179.22 | 4260260.3 | 0.254 | 0.207 | 0.46104 |
| 524194.22 | 4260260.3 | 0.306 | 0.250 | 0.55609 |
| 524209.22 | 4260260.3 | 0.377 | 0.307 | 0.68340 |
| 524224.22 | 4260260.3 | 0.464 | 0.378 | 0.84144 |
| 524239.22 | 4260260.3 | 0.572 | 0.467 | 1.03876 |
| 524254.22 | 4260260.3 | 0.710 | 0.579 | 1.28826 |
| 524269.22 | 4260260.3 | 0.882 | 0.719 | 1.60135 |
| 524134.22 | 4260275.3 | 0.160 | 0.131 | 0.29070 |
| 524149.22 | 4260275.3 | 0.195 | 0.159 | 0.35403 |
| 524164.22 | 4260275.3 | 0.232 | 0.189 | 0.42171 |
| 524179.22 | 4260275.3 | 0.275 | 0.224 | 0.49922 |
| 524194.22 | 4260275.3 | 0.329 | 0.268 | 0.59759 |
| 524209.22 | 4260275.3 | 0.399 | 0.325 | 0.72355 |
| 524224.22 | 4260275.3 | 0.484 | 0.395 | 0.87893 |
| 524239.22 | 4260275.3 | 0.590 | 0.481 | 1.07030 |
| 524254.22 | 4260275.3 | 0.721 | 0.588 | 1.30941 |
| 524269.22 | 4260275.3 | 0.883 | 0.720 | 1.60298 |
| 524134.22 | 4260290.3 | 0.167 | 0.136 | 0.30264 |
| 524149.22 | 4260290.3 | 0.203 | 0.166 | 0.36931 |
| 524164.22 | 4260290.3 | 0.247 | 0.201 | 0.44751 |
| 524179.22 | 4260290.3 | 0.293 | 0.239 | 0.53177 |
| 524194.22 | 4260290.3 | 0.349 | 0.284 | 0.63282 |
| 524209.22 | 4260290.3 | 0.417 | 0.340 | 0.75627 |
| 524224.22 | 4260290.3 | 0.500 | 0.408 | 0.90739 |
| 524239.22 | 4260290.3 | 0.600 | 0.489 | 1.08922 |
| 524254.22 | 4260290.3 | 0.724 | 0.590 | 1.31461 |
| 524269.22 | 4260290.3 | 0.873 | 0.712 | 1.58429 |
| 524134.22 | 4260305.3 | 0.175 | 0.143 | 0.31822 |
| 524149.22 | 4260305.3 | 0.211 | 0.172 | 0.38305 |
| 524164.22 | 4260305.3 | 0.258 | 0.210 | 0.46842 |
| 524179.22 | 4260305.3 | 0.307 | 0.250 | 0.55678 |
| 524194.22 | 4260305.3 | 0.364 | 0.297 | 0.66072 |
| 524209.22 | 4260305.3 | 0.431 | 0.352 | 0.78266 |
| 524224.22 | 4260305.3 | 0.512 | 0.417 | 0.92881 |
| 524239.22 | 4260305.3 | 0.607 | 0.495 | 1.10143 |
| 524254.22 | 4260305.3 | 0.721 | 0.588 | 1.30810 |
| 524269.22 | 4260305.3 | 0.854 | 0.696 | 1.54950 |
| 524134.22 | 4260320.3 | 0.183 | 0.149 | 0.33250 |
| 524149.22 | 4260320.3 | 0.218 | 0.178 | 0.39652 |
| 524164.22 | 4260320.3 | 0.264 | 0.215 | 0.47855 |
| 524179.22 | 4260320.3 | 0.316 | 0.258 | 0.57422 |
| 524194.22 | 4260320.3 | 0.374 | 0.305 | 0.67831 |
| 524209.22 | 4260320.3 | 0.439 | 0.358 | 0.79774 |
| 524224.22 | 4260320.3 | 0.516 | 0.421 | 0.93706 |
| 524239.22 | 4260320.3 | 0.605 | 0.493 | 1.09872 |
| 524254.22 | 4260320.3 | 0.709 | 0.578 | 1.28733 |
| 524269.22 | 4260320.3 | 0.827 | 0.674 | 1.50142 |
| 524134.22 | 4260335.3 | 0.191 | 0.156 | 0.34715 |
| 524149.22 | 4260335.3 | 0.227 | 0.185 | 0.41186 |
| 524164.22 | 4260335.3 | 0.272 | 0.221 | 0.49315 |
| 524179.22 | 4260335.3 | 0.323 | 0.264 | 0.58683 |
| 524194.22 | 4260335.3 | 0.379 | 0.309 | 0.68749 |
| 524209.22 | 4260335.3 | 0.441 | 0.360 | 0.80113 |
| 524224.22 | 4260335.3 | 0.514 | 0.419 | 0.93228 |
| 524239.22 | 4260335.3 | 0.596 | 0.486 | 1.08220 |
| 524254.22 | 4260335.3 | 0.691 | 0.563 | 1.25415 |
| 524269.22 | 4260335.3 | 0.797 | 0.650 | 1.44768 |
| 524134.22 | 4260350.3 | 0.199 | 0.162 | 0.36050 |
| 524149.22 | 4260350.3 | 0.234 | 0.191 | 0.42557 |
| 524164.22 | 4260350.3 | 0.279 | 0.227 | 0.50596 |
| 524179.22 | 4260350.3 | 0.328 | 0.267 | 0.59493 |
| 524194.22 | 4260350.3 | 0.381 | 0.310 | 0.69107 |
| 524209.22 | 4260350.3 | 0.440 | 0.359 | 0.79841 |
| 524224.22 | 4260350.3 | 0.507 | 0.414 | 0.92070 |
| 524239.22 | 4260350.3 | 0.583 | 0.476 | 1.05895 |
| 524254.22 | 4260350.3 | 0.669 | 0.545 | 1.21443 |
| 524269.22 | 4260350.3 | 0.764 | 0.623 | 1.38633 |
| 524204.65 | 4260012.52 | 0.075 | 0.061 | 0.13582 |
| 524203.43 | 4260005.01 | 0.073 | 0.059 | 0.13141 |
| 524204.65 | 4259997.73 | 0.072 | 0.058 | 0.13060 |
| 524204.4 | 4259988.28 | 0.071 | 0.057 | 0.12793 |
| 524189.13 | 4260004.28 | 0.064 | 0.051 | 0.11518 |
| 524189.37 | 4259993.85 | 0.062 | 0.050 | 0.11246 |
| 524190.83 | 4259982.7 | 0.062 | 0.050 | 0.11186 |
| 524246.78 | 4259946.49 | 0.109 | 0.089 | 0.19774 |
| 524255.34 | 4259929.66 | 0.117 | 0.095 | 0.21214 |
| 524250.49 | 4259937.65 | 0.112 | 0.091 | 0.20367 |
| 524232.52 | 4259935.94 | 0.092 | 0.075 | 0.16690 |
| 524220.54 | 4259937.94 | 0.081 | 0.066 | 0.14710 |
| 524212.55 | 4259949.92 | 0.075 | 0.061 | 0.13623 |
| 524206.28 | 4259957.62 | 0.071 | 0.057 | 0.12823 |
| 524199.43 | 4259957.05 | 0.066 | 0.053 | 0.11972 |
| 524188.31 | 4259954.48 | 0.060 | 0.048 | 0.10777 |
| 524196.86 | 4259946.49 | 0.065 | 0.052 | 0.11651 |
| 524203.71 | 4259947.63 | 0.069 | 0.056 | 0.12450 |
| 524199.43 | 4259934.8 | 0.066 | 0.053 | 0.11916 |
| 524206.56 | 4259925.1 | 0.070 | 0.057 | 0.12723 |
| 524213.12 | 4259917.68 | 0.075 | 0.060 | 0.13511 |
| 524241.93 | 4259920.25 | 0.100 | 0.081 | 0.18142 |
| 524215.97 | 4259907.7 | 0.076 | 0.062 | 0.13823 |
| 524221.11 | 4259892.3 | 0.079 | 0.064 | 0.14319 |
| 524238.79 | 4259898.86 | 0.094 | 0.076 | 0.16993 |
| 524238.79 | 4259907.98 | 0.095 | 0.077 | 0.17240 |
| 524237.37 | 4259884.59 | 0.090 | 0.073 | 0.16374 |
| 524214.83 | 4259881.17 | 0.074 | 0.060 | 0.13441 |
| 524203.14 | 4259873.47 | 0.067 | 0.054 | 0.12168 |
| 524198.29 | 4259867.19 | 0.065 | 0.052 | 0.11691 |
| 524232.8 | 4259867.19 | 0.084 | 0.068 | 0.15281 |
| 524233.09 | 4259857.5 | 0.083 | 0.067 | 0.15057 |
| 524235.66 | 4259852.36 | 0.084 | 0.068 | 0.15215 |
| 524239.65 | 4259845.51 | 0.085 | 0.069 | 0.15456 |
| 524243.93 | 4259834.68 | 0.086 | 0.070 | 0.15551 |
| 524250.49 | 4259823.84 | 0.087 | 0.071 | 0.15789 |
| 524243.64 | 4259822.12 | 0.083 | 0.067 | 0.15023 |
| 524232.8 | 4259816.13 | 0.076 | 0.061 | 0.13737 |
| 524225.1 | 4259826.4 | 0.074 | 0.060 | 0.13369 |
| 524218.26 | 4259836.67 | 0.072 | 0.058 | 0.13048 |
| 524210.55 | 4259846.94 | 0.069 | 0.056 | 0.12524 |
| 524202 | 4259857.5 | 0.066 | 0.053 | 0.11901 |
| 524265.77 | 4259728.17 | 0.067 | 0.054 | 0.12136 |
| 524273.47 | 4259713.63 | 0.066 | 0.053 | 0.11969 |
| 524276.89 | 4259698.51 | 0.065 | 0.052 | 0.11630 |
| 524260.92 | 4259693.94 | 0.061 | 0.048 | 0.10861 |
| 524251.79 | 4259711.06 | 0.061 | 0.049 | 0.11002 |
| 524250.65 | 4259723.04 | 0.063 | 0.050 | 0.11268 |
| 524265.2 | 4259620.63 | 0.052 | 0.041 | 0.09323 |
| 524284.88 | 4259588.39 | 0.051 | 0.040 | 0.09039 |
| 524305.71 | 4259554.73 | 0.050 | 0.039 | 0.08918 |
| 524315.12 | 4259565 | 0.052 | 0.041 | 0.09266 |
| 524303.99 | 4259604.08 | 0.055 | 0.044 | 0.09869 |
| 524638.04 | 4260127.68 | 0.641 | 0.523 | 1.16319 |
| 524645.94 | 4260114.25 | 0.555 | 0.453 | 1.00806 |
| 524647.12 | 4260105.17 | 0.533 | 0.434 | 0.96712 |
| 524662.52 | 4260077.53 | 0.401 | 0.327 | 0.72780 |
| 524692.14 | 4260053.84 | 0.275 | 0.225 | 0.49991 |
| 524752.55 | 4260050.68 | 0.182 | 0.149 | 0.33087 |
| 524338.94 | 4260404.55 | 0.861 | 0.702 | 1.56363 |
| 524441.43 | 4260403.88 | 0.940 | 0.767 | 1.70692 |
| 524538.99 | 4260369.97 | 0.599 | 0.489 | 1.08794 |
| 524566.4 | 4260356.96 | 0.538 | 0.439 | 0.97619 |
| 524530.17 | 4260389.94 | 0.573 | 0.468 | 1.04120 |
| 524498.28 | 4260239.21 | 3.196 | 2.607 | 5.80318 |
| 524477.41 | 4260262.98 | 3.114 | 2.539 | 5.65315 |
| 524494.8 | 4260256.02 | 2.818 | 2.299 | 5.11681 |
| 524515.67 | 4260222.4 | 2.948 | 2.404 | 5.35156 |
| 524519.73 | 4260238.63 | 2.412 | 1.967 | 4.37957 |
| 524519.15 | 4260249.06 | 2.207 | 1.800 | 4.00733 |
| 524529 | 4260210.8 | 2.719 | 2.217 | 4.93614 |
| 524535.38 | 4260221.82 | 2.309 | 1.883 | 4.19232 |
| 524534.22 | 4260237.47 | 2.044 | 1.667 | 3.71099 |
| 524546.97 | 4260196.89 | 2.294 | 1.871 | 4.16418 |
| 524546.97 | 4260211.38 | 2.115 | 1.725 | 3.83968 |
| 524549.87 | 4260224.14 | 1.877 | 1.531 | 3.40724 |
| 524560.3 | 4260187.04 | 2.000 | 1.631 | 3.63069 |
| 524569 | 4260203.85 | 1.631 | 1.330 | 2.96056 |
| 524580.01 | 4260180.66 | 1.563 | 1.275 | 2.83824 |
| 524580.01 | 4260198.05 | 1.464 | 1.194 | 2.65779 |
| 524588.13 | 4260163.27 | 1.444 | 1.178 | 2.62152 |
| 524598.57 | 4260182.98 | 1.210 | 0.986 | 2.19598 |
| 524596.25 | 4260169.64 | 1.269 | 1.035 | 2.30339 |

## Oakmont Emerald Isle

**No Mitigation**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 261 | 0.72 | 1 | 2.8 |
| 2 | 1 | 1 | 261 | 0.72 | 1 | 2.8 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

## Oakmont Emerald Isle

**No Mitigation** **at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM**

| X (m) | Y (m) | Adult Cancer Risk (year 1) 2017 (/million) | Adult Cancer Risk (year 2) 2018 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.008 | 0.006 | 0.01432 |
| 524149.22 | 4260065.3 | 0.009 | 0.007 | 0.01637 |
| 524164.22 | 4260065.3 | 0.010 | 0.008 | 0.01848 |
| 524179.22 | 4260065.3 | 0.012 | 0.009 | 0.02093 |
| 524194.22 | 4260065.3 | 0.013 | 0.011 | 0.02397 |
| 524209.22 | 4260065.3 | 0.015 | 0.012 | 0.02781 |
| 524224.22 | 4260065.3 | 0.018 | 0.015 | 0.03276 |
| 524239.22 | 4260065.3 | 0.022 | 0.018 | 0.03935 |
| 524254.22 | 4260065.3 | 0.027 | 0.022 | 0.04829 |
| 524269.22 | 4260065.3 | 0.034 | 0.027 | 0.06078 |
| 524134.22 | 4260080.3 | 0.008 | 0.007 | 0.01517 |
| 524149.22 | 4260080.3 | 0.010 | 0.008 | 0.01723 |
| 524164.22 | 4260080.3 | 0.011 | 0.009 | 0.01958 |
| 524179.22 | 4260080.3 | 0.012 | 0.010 | 0.02235 |
| 524194.22 | 4260080.3 | 0.014 | 0.011 | 0.02577 |
| 524209.22 | 4260080.3 | 0.017 | 0.013 | 0.03013 |
| 524224.22 | 4260080.3 | 0.020 | 0.016 | 0.03577 |
| 524239.22 | 4260080.3 | 0.024 | 0.019 | 0.04332 |
| 524254.22 | 4260080.3 | 0.030 | 0.024 | 0.05371 |
| 524269.22 | 4260080.3 | 0.038 | 0.031 | 0.06855 |
| 524134.22 | 4260095.3 | 0.009 | 0.007 | 0.01613 |
| 524149.22 | 4260095.3 | 0.010 | 0.008 | 0.01837 |
| 524164.22 | 4260095.3 | 0.012 | 0.009 | 0.02100 |
| 524179.22 | 4260095.3 | 0.013 | 0.011 | 0.02420 |
| 524194.22 | 4260095.3 | 0.016 | 0.013 | 0.02818 |
| 524209.22 | 4260095.3 | 0.018 | 0.015 | 0.03326 |
| 524224.22 | 4260095.3 | 0.022 | 0.018 | 0.03992 |
| 524239.22 | 4260095.3 | 0.027 | 0.022 | 0.04888 |
| 524254.22 | 4260095.3 | 0.034 | 0.027 | 0.06134 |
| 524269.22 | 4260095.3 | 0.044 | 0.036 | 0.07950 |
| 524134.22 | 4260110.3 | 0.010 | 0.008 | 0.01719 |
| 524149.22 | 4260110.3 | 0.011 | 0.009 | 0.01965 |
| 524164.22 | 4260110.3 | 0.013 | 0.010 | 0.02269 |
| 524179.22 | 4260110.3 | 0.015 | 0.012 | 0.02642 |
| 524194.22 | 4260110.3 | 0.017 | 0.014 | 0.03114 |
| 524209.22 | 4260110.3 | 0.021 | 0.017 | 0.03721 |
| 524224.22 | 4260110.3 | 0.025 | 0.020 | 0.04521 |
| 524239.22 | 4260110.3 | 0.031 | 0.025 | 0.05609 |
| 524254.22 | 4260110.3 | 0.039 | 0.032 | 0.07139 |
| 524269.22 | 4260110.3 | 0.052 | 0.042 | 0.09375 |
| 524134.22 | 4260125.3 | 0.010 | 0.008 | 0.01837 |
| 524149.22 | 4260125.3 | 0.012 | 0.009 | 0.02114 |
| 524164.22 | 4260125.3 | 0.014 | 0.011 | 0.02460 |
| 524179.22 | 4260125.3 | 0.016 | 0.013 | 0.02897 |
| 524194.22 | 4260125.3 | 0.019 | 0.015 | 0.03456 |
| 524209.22 | 4260125.3 | 0.023 | 0.019 | 0.04187 |
| 524224.22 | 4260125.3 | 0.028 | 0.023 | 0.05155 |
| 524239.22 | 4260125.3 | 0.036 | 0.029 | 0.06484 |
| 524254.22 | 4260125.3 | 0.046 | 0.038 | 0.08366 |
| 524269.22 | 4260125.3 | 0.061 | 0.050 | 0.11135 |
| 524134.22 | 4260140.3 | 0.011 | 0.009 | 0.01967 |
| 524149.22 | 4260140.3 | 0.013 | 0.010 | 0.02278 |
| 524164.22 | 4260140.3 | 0.015 | 0.012 | 0.02676 |
| 524179.22 | 4260140.3 | 0.018 | 0.014 | 0.03185 |
| 524194.22 | 4260140.3 | 0.021 | 0.017 | 0.03843 |
| 524209.22 | 4260140.3 | 0.026 | 0.021 | 0.04715 |
| 524224.22 | 4260140.3 | 0.032 | 0.026 | 0.05883 |
| 524239.22 | 4260140.3 | 0.041 | 0.034 | 0.07500 |
| 524254.22 | 4260140.3 | 0.054 | 0.044 | 0.09790 |
| 524269.22 | 4260140.3 | 0.073 | 0.059 | 0.13170 |
| 524134.22 | 4260155.3 | 0.012 | 0.009 | 0.02113 |
| 524149.22 | 4260155.3 | 0.014 | 0.011 | 0.02455 |
| 524164.22 | 4260155.3 | 0.016 | 0.013 | 0.02908 |
| 524179.22 | 4260155.3 | 0.019 | 0.016 | 0.03497 |
| 524194.22 | 4260155.3 | 0.023 | 0.019 | 0.04250 |
| 524209.22 | 4260155.3 | 0.029 | 0.024 | 0.05251 |
| 524224.22 | 4260155.3 | 0.037 | 0.030 | 0.06633 |
| 524239.22 | 4260155.3 | 0.047 | 0.038 | 0.08574 |
| 524254.22 | 4260155.3 | 0.062 | 0.051 | 0.11317 |
| 524269.22 | 4260155.3 | 0.085 | 0.069 | 0.15349 |
| 524134.22 | 4260170.3 | 0.013 | 0.010 | 0.02284 |
| 524149.22 | 4260170.3 | 0.015 | 0.012 | 0.02666 |
| 524164.22 | 4260170.3 | 0.018 | 0.014 | 0.03174 |
| 524179.22 | 4260170.3 | 0.021 | 0.017 | 0.03844 |
| 524194.22 | 4260170.3 | 0.026 | 0.021 | 0.04705 |
| 524209.22 | 4260170.3 | 0.032 | 0.026 | 0.05838 |
| 524224.22 | 4260170.3 | 0.041 | 0.033 | 0.07438 |
| 524239.22 | 4260170.3 | 0.053 | 0.044 | 0.09693 |
| 524254.22 | 4260170.3 | 0.071 | 0.058 | 0.12878 |
| 524269.22 | 4260170.3 | 0.097 | 0.079 | 0.17543 |
| 524134.22 | 4260185.3 | 0.014 | 0.011 | 0.02517 |
| 524149.22 | 4260185.3 | 0.016 | 0.013 | 0.02948 |
| 524164.22 | 4260185.3 | 0.019 | 0.016 | 0.03511 |
| 524179.22 | 4260185.3 | 0.023 | 0.019 | 0.04247 |
| 524194.22 | 4260185.3 | 0.029 | 0.023 | 0.05224 |
| 524209.22 | 4260185.3 | 0.036 | 0.029 | 0.06530 |
| 524224.22 | 4260185.3 | 0.046 | 0.037 | 0.08312 |
| 524239.22 | 4260185.3 | 0.060 | 0.049 | 0.10807 |
| 524254.22 | 4260185.3 | 0.079 | 0.064 | 0.14320 |
| 524269.22 | 4260185.3 | 0.107 | 0.087 | 0.19445 |
| 524134.22 | 4260200.3 | 0.015 | 0.013 | 0.02792 |
| 524149.22 | 4260200.3 | 0.018 | 0.015 | 0.03279 |
| 524164.22 | 4260200.3 | 0.022 | 0.018 | 0.03901 |
| 524179.22 | 4260200.3 | 0.026 | 0.021 | 0.04703 |
| 524194.22 | 4260200.3 | 0.032 | 0.026 | 0.05791 |
| 524209.22 | 4260200.3 | 0.040 | 0.033 | 0.07267 |
| 524224.22 | 4260200.3 | 0.051 | 0.041 | 0.09222 |
| 524239.22 | 4260200.3 | 0.066 | 0.053 | 0.11898 |
| 524254.22 | 4260200.3 | 0.086 | 0.070 | 0.15651 |
| 524269.22 | 4260200.3 | 0.116 | 0.095 | 0.21058 |
| 524134.22 | 4260215.3 | 0.017 | 0.014 | 0.03140 |
| 524149.22 | 4260215.3 | 0.020 | 0.017 | 0.03685 |
| 524164.22 | 4260215.3 | 0.024 | 0.020 | 0.04377 |
| 524179.22 | 4260215.3 | 0.029 | 0.024 | 0.05260 |
| 524194.22 | 4260215.3 | 0.036 | 0.029 | 0.06461 |
| 524209.22 | 4260215.3 | 0.044 | 0.036 | 0.08074 |
| 524224.22 | 4260215.3 | 0.056 | 0.046 | 0.10193 |
| 524239.22 | 4260215.3 | 0.072 | 0.058 | 0.12997 |
| 524254.22 | 4260215.3 | 0.093 | 0.076 | 0.16887 |
| 524269.22 | 4260215.3 | 0.123 | 0.100 | 0.22315 |
| 524134.22 | 4260230.3 | 0.019 | 0.016 | 0.03497 |
| 524149.22 | 4260230.3 | 0.023 | 0.018 | 0.04110 |
| 524164.22 | 4260230.3 | 0.027 | 0.022 | 0.04870 |
| 524179.22 | 4260230.3 | 0.032 | 0.026 | 0.05823 |
| 524194.22 | 4260230.3 | 0.039 | 0.032 | 0.07121 |
| 524209.22 | 4260230.3 | 0.049 | 0.040 | 0.08867 |
| 524224.22 | 4260230.3 | 0.061 | 0.050 | 0.11096 |
| 524239.22 | 4260230.3 | 0.077 | 0.063 | 0.13995 |
| 524254.22 | 4260230.3 | 0.099 | 0.080 | 0.17906 |
| 524269.22 | 4260230.3 | 0.128 | 0.104 | 0.23167 |
| 524134.22 | 4260245.3 | 0.021 | 0.017 | 0.03844 |
| 524149.22 | 4260245.3 | 0.025 | 0.020 | 0.04540 |
| 524164.22 | 4260245.3 | 0.030 | 0.024 | 0.05371 |
| 524179.22 | 4260245.3 | 0.035 | 0.029 | 0.06369 |
| 524194.22 | 4260245.3 | 0.043 | 0.035 | 0.07743 |
| 524209.22 | 4260245.3 | 0.053 | 0.043 | 0.09595 |
| 524224.22 | 4260245.3 | 0.066 | 0.054 | 0.11925 |
| 524239.22 | 4260245.3 | 0.082 | 0.067 | 0.14898 |
| 524254.22 | 4260245.3 | 0.103 | 0.084 | 0.18766 |
| 524269.22 | 4260245.3 | 0.131 | 0.107 | 0.23787 |
| 524134.22 | 4260260.3 | 0.023 | 0.019 | 0.04163 |
| 524149.22 | 4260260.3 | 0.027 | 0.022 | 0.04946 |
| 524164.22 | 4260260.3 | 0.032 | 0.026 | 0.05860 |
| 524179.22 | 4260260.3 | 0.038 | 0.031 | 0.06916 |
| 524194.22 | 4260260.3 | 0.046 | 0.037 | 0.08342 |
| 524209.22 | 4260260.3 | 0.056 | 0.046 | 0.10252 |
| 524224.22 | 4260260.3 | 0.070 | 0.057 | 0.12623 |
| 524239.22 | 4260260.3 | 0.086 | 0.070 | 0.15583 |
| 524254.22 | 4260260.3 | 0.106 | 0.087 | 0.19326 |
| 524269.22 | 4260260.3 | 0.132 | 0.108 | 0.24023 |
| 524134.22 | 4260275.3 | 0.024 | 0.020 | 0.04361 |
| 524149.22 | 4260275.3 | 0.029 | 0.024 | 0.05311 |
| 524164.22 | 4260275.3 | 0.035 | 0.028 | 0.06326 |
| 524179.22 | 4260275.3 | 0.041 | 0.034 | 0.07489 |
| 524194.22 | 4260275.3 | 0.049 | 0.040 | 0.08965 |
| 524209.22 | 4260275.3 | 0.060 | 0.049 | 0.10854 |
| 524224.22 | 4260275.3 | 0.073 | 0.059 | 0.13185 |
| 524239.22 | 4260275.3 | 0.088 | 0.072 | 0.16056 |
| 524254.22 | 4260275.3 | 0.108 | 0.088 | 0.19643 |
| 524269.22 | 4260275.3 | 0.132 | 0.108 | 0.24047 |
| 524134.22 | 4260290.3 | 0.025 | 0.020 | 0.04540 |
| 524149.22 | 4260290.3 | 0.031 | 0.025 | 0.05540 |
| 524164.22 | 4260290.3 | 0.037 | 0.030 | 0.06713 |
| 524179.22 | 4260290.3 | 0.044 | 0.036 | 0.07977 |
| 524194.22 | 4260290.3 | 0.052 | 0.043 | 0.09493 |
| 524209.22 | 4260290.3 | 0.062 | 0.051 | 0.11345 |
| 524224.22 | 4260290.3 | 0.075 | 0.061 | 0.13612 |
| 524239.22 | 4260290.3 | 0.090 | 0.073 | 0.16340 |
| 524254.22 | 4260290.3 | 0.109 | 0.089 | 0.19721 |
| 524269.22 | 4260290.3 | 0.131 | 0.107 | 0.23767 |
| 524134.22 | 4260305.3 | 0.026 | 0.021 | 0.04774 |
| 524149.22 | 4260305.3 | 0.032 | 0.026 | 0.05746 |
| 524164.22 | 4260305.3 | 0.039 | 0.032 | 0.07027 |
| 524179.22 | 4260305.3 | 0.046 | 0.038 | 0.08352 |
| 524194.22 | 4260305.3 | 0.055 | 0.045 | 0.09912 |
| 524209.22 | 4260305.3 | 0.065 | 0.053 | 0.11741 |
| 524224.22 | 4260305.3 | 0.077 | 0.063 | 0.13933 |
| 524239.22 | 4260305.3 | 0.091 | 0.074 | 0.16523 |
| 524254.22 | 4260305.3 | 0.108 | 0.088 | 0.19623 |
| 524269.22 | 4260305.3 | 0.128 | 0.104 | 0.23245 |
| 524134.22 | 4260320.3 | 0.027 | 0.022 | 0.04988 |
| 524149.22 | 4260320.3 | 0.033 | 0.027 | 0.05948 |
| 524164.22 | 4260320.3 | 0.040 | 0.032 | 0.07179 |
| 524179.22 | 4260320.3 | 0.047 | 0.039 | 0.08614 |
| 524194.22 | 4260320.3 | 0.056 | 0.046 | 0.10176 |
| 524209.22 | 4260320.3 | 0.066 | 0.054 | 0.11967 |
| 524224.22 | 4260320.3 | 0.077 | 0.063 | 0.14057 |
| 524239.22 | 4260320.3 | 0.091 | 0.074 | 0.16482 |
| 524254.22 | 4260320.3 | 0.106 | 0.087 | 0.19312 |
| 524269.22 | 4260320.3 | 0.124 | 0.101 | 0.22524 |
| 524134.22 | 4260335.3 | 0.029 | 0.023 | 0.05208 |
| 524149.22 | 4260335.3 | 0.034 | 0.028 | 0.06179 |
| 524164.22 | 4260335.3 | 0.041 | 0.033 | 0.07398 |
| 524179.22 | 4260335.3 | 0.048 | 0.040 | 0.08803 |
| 524194.22 | 4260335.3 | 0.057 | 0.046 | 0.10313 |
| 524209.22 | 4260335.3 | 0.066 | 0.054 | 0.12018 |
| 524224.22 | 4260335.3 | 0.077 | 0.063 | 0.13985 |
| 524239.22 | 4260335.3 | 0.089 | 0.073 | 0.16235 |
| 524254.22 | 4260335.3 | 0.104 | 0.085 | 0.18814 |
| 524269.22 | 4260335.3 | 0.120 | 0.098 | 0.21717 |
| 524134.22 | 4260350.3 | 0.030 | 0.024 | 0.05408 |
| 524149.22 | 4260350.3 | 0.035 | 0.029 | 0.06384 |
| 524164.22 | 4260350.3 | 0.042 | 0.034 | 0.07590 |
| 524179.22 | 4260350.3 | 0.049 | 0.040 | 0.08925 |
| 524194.22 | 4260350.3 | 0.057 | 0.047 | 0.10367 |
| 524209.22 | 4260350.3 | 0.066 | 0.054 | 0.11977 |
| 524224.22 | 4260350.3 | 0.076 | 0.062 | 0.13812 |
| 524239.22 | 4260350.3 | 0.088 | 0.071 | 0.15886 |
| 524254.22 | 4260350.3 | 0.100 | 0.082 | 0.18218 |
| 524269.22 | 4260350.3 | 0.115 | 0.093 | 0.20797 |
| 524204.65 | 4260012.52 | 0.011 | 0.009 | 0.02037 |
| 524203.43 | 4260005.01 | 0.011 | 0.009 | 0.01971 |
| 524204.65 | 4259997.73 | 0.011 | 0.009 | 0.01959 |
| 524204.4 | 4259988.28 | 0.011 | 0.009 | 0.01919 |
| 524189.13 | 4260004.28 | 0.010 | 0.008 | 0.01728 |
| 524189.37 | 4259993.85 | 0.009 | 0.008 | 0.01687 |
| 524190.83 | 4259982.7 | 0.009 | 0.007 | 0.01678 |
| 524246.78 | 4259946.49 | 0.016 | 0.013 | 0.02966 |
| 524255.34 | 4259929.66 | 0.018 | 0.014 | 0.03182 |
| 524250.49 | 4259937.65 | 0.017 | 0.014 | 0.03055 |
| 524232.52 | 4259935.94 | 0.014 | 0.011 | 0.02504 |
| 524220.54 | 4259937.94 | 0.012 | 0.010 | 0.02207 |
| 524212.55 | 4259949.92 | 0.011 | 0.009 | 0.02044 |
| 524206.28 | 4259957.62 | 0.011 | 0.009 | 0.01924 |
| 524199.43 | 4259957.05 | 0.010 | 0.008 | 0.01796 |
| 524188.31 | 4259954.48 | 0.009 | 0.007 | 0.01617 |
| 524196.86 | 4259946.49 | 0.010 | 0.008 | 0.01748 |
| 524203.71 | 4259947.63 | 0.010 | 0.008 | 0.01868 |
| 524199.43 | 4259934.8 | 0.010 | 0.008 | 0.01788 |
| 524206.56 | 4259925.1 | 0.011 | 0.009 | 0.01909 |
| 524213.12 | 4259917.68 | 0.011 | 0.009 | 0.02027 |
| 524241.93 | 4259920.25 | 0.015 | 0.012 | 0.02722 |
| 524215.97 | 4259907.7 | 0.011 | 0.009 | 0.02074 |
| 524221.11 | 4259892.3 | 0.012 | 0.010 | 0.02148 |
| 524238.79 | 4259898.86 | 0.014 | 0.011 | 0.02549 |
| 524238.79 | 4259907.98 | 0.014 | 0.012 | 0.02586 |
| 524237.37 | 4259884.59 | 0.014 | 0.011 | 0.02456 |
| 524214.83 | 4259881.17 | 0.011 | 0.009 | 0.02016 |
| 524203.14 | 4259873.47 | 0.010 | 0.008 | 0.01825 |
| 524198.29 | 4259867.19 | 0.010 | 0.008 | 0.01754 |
| 524232.8 | 4259867.19 | 0.013 | 0.010 | 0.02292 |
| 524233.09 | 4259857.5 | 0.012 | 0.010 | 0.02259 |
| 524235.66 | 4259852.36 | 0.013 | 0.010 | 0.02283 |
| 524239.65 | 4259845.51 | 0.013 | 0.010 | 0.02319 |
| 524243.93 | 4259834.68 | 0.013 | 0.010 | 0.02333 |
| 524250.49 | 4259823.84 | 0.013 | 0.011 | 0.02369 |
| 524243.64 | 4259822.12 | 0.012 | 0.010 | 0.02254 |
| 524232.8 | 4259816.13 | 0.011 | 0.009 | 0.02061 |
| 524225.1 | 4259826.4 | 0.011 | 0.009 | 0.02006 |
| 524218.26 | 4259836.67 | 0.011 | 0.009 | 0.01957 |
| 524210.55 | 4259846.94 | 0.010 | 0.008 | 0.01879 |
| 524202 | 4259857.5 | 0.010 | 0.008 | 0.01785 |
| 524265.77 | 4259728.17 | 0.010 | 0.008 | 0.01821 |
| 524273.47 | 4259713.63 | 0.010 | 0.008 | 0.01795 |
| 524276.89 | 4259698.51 | 0.010 | 0.008 | 0.01745 |
| 524260.92 | 4259693.94 | 0.009 | 0.007 | 0.01629 |
| 524251.79 | 4259711.06 | 0.009 | 0.007 | 0.01651 |
| 524250.65 | 4259723.04 | 0.009 | 0.007 | 0.01690 |
| 524265.2 | 4259620.63 | 0.008 | 0.006 | 0.01399 |
| 524284.88 | 4259588.39 | 0.008 | 0.006 | 0.01356 |
| 524305.71 | 4259554.73 | 0.008 | 0.006 | 0.01338 |
| 524315.12 | 4259565 | 0.008 | 0.006 | 0.01390 |
| 524303.99 | 4259604.08 | 0.008 | 0.007 | 0.01481 |
| 524638.04 | 4260127.68 | 0.096 | 0.078 | 0.17450 |
| 524645.94 | 4260114.25 | 0.083 | 0.068 | 0.15122 |
| 524647.12 | 4260105.17 | 0.080 | 0.065 | 0.14508 |
| 524662.52 | 4260077.53 | 0.060 | 0.049 | 0.10918 |
| 524692.14 | 4260053.84 | 0.041 | 0.034 | 0.07499 |
| 524752.55 | 4260050.68 | 0.027 | 0.022 | 0.04964 |
| 524338.94 | 4260404.55 | 0.129 | 0.105 | 0.23457 |
| 524441.43 | 4260403.88 | 0.141 | 0.115 | 0.25606 |
| 524538.99 | 4260369.97 | 0.090 | 0.073 | 0.16321 |
| 524566.4 | 4260356.96 | 0.081 | 0.066 | 0.14644 |
| 524530.17 | 4260389.94 | 0.086 | 0.070 | 0.15619 |
| 524498.28 | 4260239.21 | 0.479 | 0.391 | 0.87056 |
| 524477.41 | 4260262.98 | 0.467 | 0.381 | 0.84805 |
| 524494.8 | 4260256.02 | 0.423 | 0.345 | 0.76760 |
| 524515.67 | 4260222.4 | 0.442 | 0.361 | 0.80281 |
| 524519.73 | 4260238.63 | 0.362 | 0.295 | 0.65700 |
| 524519.15 | 4260249.06 | 0.331 | 0.270 | 0.60116 |
| 524529 | 4260210.8 | 0.408 | 0.333 | 0.74049 |
| 524535.38 | 4260221.82 | 0.346 | 0.283 | 0.62891 |
| 524534.22 | 4260237.47 | 0.307 | 0.250 | 0.55670 |
| 524546.97 | 4260196.89 | 0.344 | 0.281 | 0.62469 |
| 524546.97 | 4260211.38 | 0.317 | 0.259 | 0.57601 |
| 524549.87 | 4260224.14 | 0.282 | 0.230 | 0.51113 |
| 524560.3 | 4260187.04 | 0.300 | 0.245 | 0.54466 |
| 524569 | 4260203.85 | 0.245 | 0.200 | 0.44413 |
| 524580.01 | 4260180.66 | 0.235 | 0.191 | 0.42578 |
| 524580.01 | 4260198.05 | 0.220 | 0.179 | 0.39871 |
| 524588.13 | 4260163.27 | 0.217 | 0.177 | 0.39327 |
| 524598.57 | 4260182.98 | 0.181 | 0.148 | 0.32943 |
| 524596.25 | 4260169.64 | 0.190 | 0.155 | 0.34554 |

**Maximum Caner Risk**
0.9

**BAAQMD threshold of significance**
10

**Exceed thresholds?**
No

**Oakmont Emerald Isle** — **Ivy Mitigation**

Chronic Heat Cancer Hazard Index — **Jet Accident Recessions**

Reference Hammer Load (Big Dik Little) — 1, 1g/L1

**Chair Jet Profit**

| Id | Jet | 2018 Age Profit | 2019 Age Profit | Max Age Profit | Cash | Interest Love Oak Mortgage Interest Significance Dental Pandemic Up |
|---|---|---|---|---|---|---|
| 5/14/22 | 41.0000% | 0.0000% | 41.0000% | 0.0000% | | |
| 5/14/22 | 40.0000% | 0.0000% | 40.0000% | 0.0000% | | |
| 5/14/22 | 42.0000% | 0.0000% | 42.0000% | 0.0000% | | |
| 5/14/22 | 43.0000% | 0.0000% | 43.0000% | 0.0000% | | |
| 5/14/22 | 44.0000% | 0.0000% | 44.0000% | 0.0000% | | |
| 5/14/22 | 45.0000% | 0.0000% | 45.0000% | 0.0000% | | |
| 5/14/22 | 46.0000% | 0.0000% | 46.0000% | 0.0000% | | |
| 5/14/22 | 47.0000% | 0.0000% | 47.0000% | 0.0000% | | |
| 5/14/22 | 48.0000% | 0.0000% | 48.0000% | 0.0000% | | |
| 5/14/22 | 49.0000% | 0.0000% | 49.0000% | 0.0000% | | |
| 5/14/22 | 50.0000% | 0.0000% | 50.0000% | 0.0000% | | |
| 5/14/22 | 51.0000% | 0.0000% | 51.0000% | 0.0000% | | |
| 5/14/22 | 52.0000% | 0.0000% | 52.0000% | 0.0000% | | |
| 5/14/22 | 53.0000% | 0.0000% | 53.0000% | 0.0000% | | |
| 5/14/22 | 54.0000% | 0.0000% | 54.0000% | 0.0000% | | |
| 5/14/22 | 55.0000% | 0.0000% | 55.0000% | 0.0000% | | |
| 5/14/22 | 56.0000% | 0.0000% | 56.0000% | 0.0000% | | |
| 5/14/22 | 57.0000% | 0.0000% | 57.0000% | 0.0000% | | |
| 5/14/22 | 58.0000% | 0.0000% | 58.0000% | 0.0000% | | |
| 5/14/22 | 59.0000% | 0.0000% | 59.0000% | 0.0000% | | |
| 5/14/22 | 60.0000% | 0.0000% | 60.0000% | 0.0000% | | |
| 5/14/22 | 61.0000% | 0.0000% | 61.0000% | 0.0000% | | |
| 5/14/22 | 62.0000% | 0.0000% | 62.0000% | 0.0000% | | |
| 5/14/22 | 63.0000% | 0.0000% | 63.0000% | 0.0000% | | |
| 5/14/22 | 64.0000% | 0.0000% | 64.0000% | 0.0000% | | |
| 5/14/22 | 65.0000% | 0.0000% | 65.0000% | 0.0000% | | |
| 5/14/22 | 66.0000% | 0.0000% | 66.0000% | 0.0000% | | |
| 5/14/22 | 67.0000% | 0.0000% | 67.0000% | 0.0000% | | |
| 5/14/22 | 68.0000% | 0.0000% | 68.0000% | 0.0000% | | |
| 5/14/22 | 69.0000% | 0.0000% | 69.0000% | 0.0000% | | |
| 5/14/22 | 70.0000% | 0.0000% | 70.0000% | 0.0000% | | |
| 5/14/22 | 71.0000% | 0.0000% | 71.0000% | 0.0000% | | |
| 5/14/22 | 72.0000% | 0.0000% | 72.0000% | 0.0000% | | |
| 5/14/22 | 73.0000% | 0.0000% | 73.0000% | 0.0000% | | |
| 5/14/22 | 74.0000% | 0.0000% | 74.0000% | 0.0000% | | |
| 5/14/22 | 75.0000% | 0.0000% | 75.0000% | 0.0000% | | |
| 5/14/22 | 76.0000% | 0.0000% | 76.0000% | 0.0000% | | |
| 5/14/22 | 77.0000% | 0.0000% | 77.0000% | 0.0000% | | |
| 5/14/22 | 78.0000% | 0.0000% | 78.0000% | 0.0000% | | |
| 5/14/22 | 79.0000% | 0.0000% | 79.0000% | 0.0000% | | |
| 5/14/22 | 80.0000% | 0.0000% | 80.0000% | 0.0000% | | |
| 5/14/22 | 81.0000% | 0.0000% | 81.0000% | 0.0000% | | |
| 5/14/22 | 82.0000% | 0.0000% | 82.0000% | 0.0000% | | |
| 5/14/22 | 83.0000% | 0.0000% | 83.0000% | 0.0000% | | |
| 5/14/22 | 84.0000% | 0.0000% | 84.0000% | 0.0000% | | |
| 5/14/22 | 85.0000% | 0.0000% | 85.0000% | 0.0000% | | |
| 5/14/22 | 86.0000% | 0.0000% | 86.0000% | 0.0000% | | |
| 5/14/22 | 87.0000% | 0.0000% | 87.0000% | 0.0000% | | |
| 5/14/22 | 88.0000% | 0.0000% | 88.0000% | 0.0000% | | |
| 5/14/22 | 89.0000% | 0.0000% | 89.0000% | 0.0000% | | |
| 5/14/22 | 90.0000% | 0.0000% | 90.0000% | 0.0000% | | |
| 5/14/22 | 91.0000% | 0.0000% | 91.0000% | 0.0000% | | |
| 5/14/22 | 92.0000% | 0.0000% | 92.0000% | 0.0000% | | |
| 5/14/22 | 93.0000% | 0.0000% | 93.0000% | 0.0000% | | |
| 5/14/22 | 94.0000% | 0.0000% | 94.0000% | 0.0000% | | |
| 5/14/22 | 95.0000% | 0.0000% | 95.0000% | 0.0000% | | |
| 5/14/22 | 96.0000% | 0.0000% | 96.0000% | 0.0000% | | |
| 5/14/22 | 97.0000% | 0.0000% | 97.0000% | 0.0000% | | |
| 5/14/22 | 98.0000% | 0.0000% | 98.0000% | 0.0000% | | |
| 5/14/22 | 99.0000% | 0.0000% | 99.0000% | 0.0000% | | |
| 5/14/22 | 100.0000% | 0.0000% | 100.0000% | 0.0000% | | |
| 5/14/22 | 101.0000% | 0.0000% | 101.0000% | 0.0000% | | |
| 5/14/22 | 102.0000% | 0.0000% | 102.0000% | 0.0000% | | |
| 5/14/22 | 103.0000% | 0.0000% | 103.0000% | 0.0000% | | |
| 5/14/22 | 104.0000% | 0.0000% | 104.0000% | 0.0000% | | |
| 5/14/22 | 105.0000% | 0.0000% | 105.0000% | 0.0000% | | |
| 5/14/22 | 106.0000% | 0.0000% | 106.0000% | 0.0000% | | |
| 5/14/22 | 107.0000% | 0.0000% | 107.0000% | 0.0000% | | |
| 5/14/22 | 108.0000% | 0.0000% | 108.0000% | 0.0000% | | |
| 5/14/22 | 109.0000% | 0.0000% | 109.0000% | 0.0000% | | |
| 5/14/22 | 110.0000% | 0.0000% | 110.0000% | 0.0000% | | |
| 5/14/22 | 111.0000% | 0.0000% | 111.0000% | 0.0000% | | |
| 5/14/22 | 112.0000% | 0.0000% | 112.0000% | 0.0000% | | |
| 5/14/22 | 113.0000% | 0.0000% | 113.0000% | 0.0000% | | |
| 5/14/22 | 114.0000% | 0.0000% | 114.0000% | 0.0000% | | |
| 5/14/22 | 115.0000% | 0.0000% | 115.0000% | 0.0000% | | |
| 5/14/22 | 116.0000% | 0.0000% | 116.0000% | 0.0000% | | |
| 5/14/22 | 117.0000% | 0.0000% | 117.0000% | 0.0000% | | |
| 5/14/22 | 118.0000% | 0.0000% | 118.0000% | 0.0000% | | |
| 5/14/22 | 119.0000% | 0.0000% | 119.0000% | 0.0000% | | |
| 5/14/22 | 120.0000% | 0.0000% | 120.0000% | 0.0000% | | |
| 5/14/22 | 121.0000% | 0.0000% | 121.0000% | 0.0000% | | |
| 5/14/22 | 122.0000% | 0.0000% | 122.0000% | 0.0000% | | |
| 5/14/22 | 123.0000% | 0.0000% | 123.0000% | 0.0000% | | |
| 5/14/22 | 124.0000% | 0.0000% | 124.0000% | 0.0000% | | |
| 5/14/22 | 125.0000% | 0.0000% | 125.0000% | 0.0000% | | |
| 5/14/22 | 126.0000% | 0.0000% | 126.0000% | 0.0000% | | |
| 5/14/22 | 127.0000% | 0.0000% | 127.0000% | 0.0000% | | |
| 5/14/22 | 128.0000% | 0.0000% | 128.0000% | 0.0000% | | |
| 5/14/22 | 129.0000% | 0.0000% | 129.0000% | 0.0000% | | |
| 5/14/22 | 130.0000% | 0.0000% | 130.0000% | 0.0000% | | |
| 5/14/22 | 131.0000% | 0.0000% | 131.0000% | 0.0000% | | |
| 5/14/22 | 132.0000% | 0.0000% | 132.0000% | 0.0000% | | |
| 5/14/22 | 133.0000% | 0.0000% | 133.0000% | 0.0000% | | |
| 5/14/22 | 134.0000% | 0.0000% | 134.0000% | 0.0000% | | |
| 5/14/22 | 135.0000% | 0.0000% | 135.0000% | 0.0000% | | |
| 5/14/22 | 136.0000% | 0.0000% | 136.0000% | 0.0000% | | |
| 5/14/22 | 137.0000% | 0.0000% | 137.0000% | 0.0000% | | |
| 5/14/22 | 138.0000% | 0.0000% | 138.0000% | 0.0000% | | |
| 5/14/22 | 139.0000% | 0.0000% | 139.0000% | 0.0000% | | |
| 5/14/22 | 140.0000% | 0.0000% | 140.0000% | 0.0000% | | |
| 5/14/22 | 141.0000% | 0.0000% | 141.0000% | 0.0000% | | |
| 5/14/22 | 142.0000% | 0.0000% | 142.0000% | 0.0000% | | |
| 5/14/22 | 143.0000% | 0.0000% | 143.0000% | 0.0000% | | |
| 5/14/22 | 144.0000% | 0.0000% | 144.0000% | 0.0000% | | |
| 5/14/22 | 145.0000% | 0.0000% | 145.0000% | 0.0000% | | |
| 5/14/22 | 146.0000% | 0.0000% | 146.0000% | 0.0000% | | |
| 5/14/22 | 147.0000% | 0.0000% | 147.0000% | 0.0000% | | |
| 5/14/22 | 148.0000% | 0.0000% | 148.0000% | 0.0000% | | |
| 5/14/22 | 149.0000% | 0.0000% | 149.0000% | 0.0000% | | |
| 5/14/22 | 150.0000% | 0.0000% | 150.0000% | 0.0000% | | |
| 5/14/22 | 151.0000% | 0.0000% | 151.0000% | 0.0000% | | |
| 5/14/22 | 152.0000% | 0.0000% | 152.0000% | 0.0000% | | |
| 5/14/22 | 153.0000% | 0.0000% | 153.0000% | 0.0000% | | |
| 5/14/22 | 154.0000% | 0.0000% | 154.0000% | 0.0000% | | |
| 5/14/22 | 155.0000% | 0.0000% | 155.0000% | 0.0000% | | |
| 5/14/22 | 156.0000% | 0.0000% | 156.0000% | 0.0000% | | |
| 5/14/22 | 157.0000% | 0.0000% | 157.0000% | 0.0000% | | |
| 5/14/22 | 158.0000% | 0.0000% | 158.0000% | 0.0000% | | |
| 5/14/22 | 159.0000% | 0.0000% | 159.0000% | 0.0000% | | |
| 5/14/22 | 160.0000% | 0.0000% | 160.0000% | 0.0000% | | |
| 5/14/22 | 161.0000% | 0.0000% | 161.0000% | 0.0000% | | |
| 5/14/22 | 162.0000% | 0.0000% | 162.0000% | 0.0000% | | |
| 5/14/22 | 163.0000% | 0.0000% | 163.0000% | 0.0000% | | |
| 5/14/22 | 164.0000% | 0.0000% | 164.0000% | 0.0000% | | |
| 5/14/22 | 165.0000% | 0.0000% | 165.0000% | 0.0000% | | |
| 5/14/22 | 166.0000% | 0.0000% | 166.0000% | 0.0000% | | |
| 5/14/22 | 167.0000% | 0.0000% | 167.0000% | 0.0000% | | |
| 5/14/22 | 168.0000% | 0.0000% | 168.0000% | 0.0000% | | |
| 5/14/22 | 169.0000% | 0.0000% | 169.0000% | 0.0000% | | |
| 5/14/22 | 170.0000% | 0.0000% | 170.0000% | 0.0000% | | |
| 5/14/22 | 171.0000% | 0.0000% | 171.0000% | 0.0000% | | |
| 5/14/22 | 172.0000% | 0.0000% | 172.0000% | 0.0000% | | |
| 5/14/22 | 173.0000% | 0.0000% | 173.0000% | 0.0000% | | |
| 5/14/22 | 174.0000% | 0.0000% | 174.0000% | 0.0000% | | |
| 5/14/22 | 175.0000% | 0.0000% | 175.0000% | 0.0000% | | |
| 5/14/22 | 176.0000% | 0.0000% | 176.0000% | 0.0000% | | |
| 5/14/22 | 177.0000% | 0.0000% | 177.0000% | 0.0000% | | |
| 5/14/22 | 178.0000% | 0.0000% | 178.0000% | 0.0000% | | |
| 5/14/22 | 179.0000% | 0.0000% | 179.0000% | 0.0000% | | |
| 5/14/22 | 180.0000% | 0.0000% | 180.0000% | 0.0000% | | |
| 5/14/22 | 181.0000% | 0.0000% | 181.0000% | 0.0000% | | |
| 5/14/22 | 182.0000% | 0.0000% | 182.0000% | 0.0000% | | |
| 5/14/22 | 183.0000% | 0.0000% | 183.0000% | 0.0000% | | |
| 5/14/22 | 184.0000% | 0.0000% | 184.0000% | 0.0000% | | |
| 5/14/22 | 185.0000% | 0.0000% | 185.0000% | 0.0000% | | |
| 5/14/22 | 186.0000% | 0.0000% | 186.0000% | 0.0000% | | |
| 5/14/22 | 187.0000% | 0.0000% | 187.0000% | 0.0000% | | |
| 5/14/22 | 188.0000% | 0.0000% | 188.0000% | 0.0000% | | |
| 5/14/22 | 189.0000% | 0.0000% | 189.0000% | 0.0000% | | |
| 5/14/22 | 190.0000% | 0.0000% | 190.0000% | 0.0000% | | |
| 5/14/22 | 191.0000% | 0.0000% | 191.0000% | 0.0000% | | |
| 5/14/22 | 192.0000% | 0.0000% | 192.0000% | 0.0000% | | |
| 5/14/22 | 193.0000% | 0.0000% | 193.0000% | 0.0000% | | |
| 5/14/22 | 194.0000% | 0.0000% | 194.0000% | 0.0000% | | |
| 5/14/22 | 195.0000% | 0.0000% | 195.0000% | 0.0000% | | |
| 5/14/22 | 196.0000% | 0.0000% | 196.0000% | 0.0000% | | |
| 5/14/22 | 197.0000% | 0.0000% | 197.0000% | 0.0000% | | |
| 5/14/22 | 198.0000% | 0.0000% | 198.0000% | 0.0000% | | |
| 5/14/22 | 199.0000% | 0.0000% | 199.0000% | 0.0000% | | |
| 5/14/22 | 200.0000% | 0.0000% | 200.0000% | 0.0000% | | |

**Oakmont Emerald Isle**

**Annual Average PM2.5 (Exhaust + Fugitive Dust)**

**No Mitigation at Sensitive Receptors**

| X (m) | Y (m) | 2018 PM2.5 (ug/m3) | 2019 PM2.5 (ug/m3) | Max PM2.5 (ug/m3) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.002817 | 0.00224 | 0.00282 |
| 524149.22 | 4260065.3 | 0.003228 | 0.002552 | 0.00323 |
| 524164.22 | 4260065.3 | 0.003641 | 0.002883 | 0.00364 |
| 524179.22 | 4260065.3 | 0.004118 | 0.003272 | 0.00412 |
| 524194.22 | 4260065.3 | 0.004711 | 0.003754 | 0.00471 |
| 524209.22 | 4260065.3 | 0.005459 | 0.004362 | 0.00546 |
| 524224.22 | 4260065.3 | 0.006425 | 0.005146 | 0.00642 |
| 524239.22 | 4260065.3 | 0.007707 | 0.006188 | 0.00771 |
| 524254.22 | 4260065.3 | 0.009451 | 0.007604 | 0.00945 |
| 524269.22 | 4260065.3 | 0.011883 | 0.009582 | 0.01188 |
| 524134.22 | 4260080.3 | 0.002976 | 0.002381 | 0.00298 |
| 524149.22 | 4260080.3 | 0.003385 | 0.002702 | 0.00338 |
| 524164.22 | 4260080.3 | 0.003845 | 0.003071 | 0.00384 |
| 524179.22 | 4260080.3 | 0.004383 | 0.003509 | 0.00438 |
| 524194.22 | 4260080.3 | 0.005049 | 0.004053 | 0.00505 |
| 524209.22 | 4260080.3 | 0.005896 | 0.004744 | 0.00590 |
| 524224.22 | 4260080.3 | 0.006995 | 0.005638 | 0.00699 |
| 524239.22 | 4260080.3 | 0.008464 | 0.006835 | 0.00846 |
| 524254.22 | 4260080.3 | 0.010486 | 0.008483 | 0.01049 |
| 524269.22 | 4260080.3 | 0.013375 | 0.010835 | 0.01337 |
| 524134.22 | 4260095.3 | 0.003159 | 0.002538 | 0.00316 |
| 524149.22 | 4260095.3 | 0.0036 | 0.002889 | 0.00360 |
| 524164.22 | 4260095.3 | 0.004114 | 0.003303 | 0.00411 |
| 524179.22 | 4260095.3 | 0.004735 | 0.00381 | 0.00474 |
| 524194.22 | 4260095.3 | 0.00551 | 0.004441 | 0.00551 |
| 524209.22 | 4260095.3 | 0.006498 | 0.005249 | 0.00650 |
| 524224.22 | 4260095.3 | 0.007793 | 0.006304 | 0.00779 |
| 524239.22 | 4260095.3 | 0.009536 | 0.007725 | 0.00954 |
| 524254.22 | 4260095.3 | 0.01196 | 0.009703 | 0.01196 |
| 524269.22 | 4260095.3 | 0.015492 | 0.012582 | 0.01549 |
| 524134.22 | 4260110.3 | 0.003361 | 0.002711 | 0.00336 |
| 524149.22 | 4260110.3 | 0.003843 | 0.003098 | 0.00384 |
| 524164.22 | 4260110.3 | 0.004436 | 0.003577 | 0.00444 |
| 524179.22 | 4260110.3 | 0.005162 | 0.004168 | 0.00516 |
| 524194.22 | 4260110.3 | 0.00608 | 0.004916 | 0.00608 |
| 524209.22 | 4260110.3 | 0.00726 | 0.005879 | 0.00726 |
| 524224.22 | 4260110.3 | 0.008817 | 0.007149 | 0.00882 |
| 524239.22 | 4260110.3 | 0.010934 | 0.008876 | 0.01093 |
| 524254.22 | 4260110.3 | 0.013909 | 0.011303 | 0.01391 |
| 524269.22 | 4260110.3 | 0.018259 | 0.01485 | 0.01826 |
| 524134.22 | 4260125.3 | 0.003588 | 0.002901 | 0.00359 |
| 524149.22 | 4260125.3 | 0.004129 | 0.003338 | 0.00413 |
| 524164.22 | 4260125.3 | 0.004804 | 0.003885 | 0.00480 |
| 524179.22 | 4260125.3 | 0.005654 | 0.004576 | 0.00565 |
| 524194.22 | 4260125.3 | 0.006742 | 0.005464 | 0.00674 |
| 524209.22 | 4260125.3 | 0.008162 | 0.006622 | 0.00816 |
| 524224.22 | 4260125.3 | 0.010045 | 0.008158 | 0.01005 |
| 524239.22 | 4260125.3 | 0.012632 | 0.010268 | 0.01263 |
| 524254.22 | 4260125.3 | 0.016292 | 0.013253 | 0.01629 |
| 524269.22 | 4260125.3 | 0.021677 | 0.017645 | 0.02168 |
| 524134.22 | 4260140.3 | 0.003837 | 0.003109 | 0.00384 |
| 524149.22 | 4260140.3 | 0.004445 | 0.003601 | 0.00445 |
| 524164.22 | 4260140.3 | 0.005221 | 0.004231 | 0.00522 |
| 524179.22 | 4260140.3 | 0.00621 | 0.005036 | 0.00621 |
| 524194.22 | 4260140.3 | 0.007492 | 0.006081 | 0.00749 |
| 524209.22 | 4260140.3 | 0.009187 | 0.007463 | 0.00919 |
| 524224.22 | 4260140.3 | 0.011459 | 0.009316 | 0.01146 |
| 524239.22 | 4260140.3 | 0.014604 | 0.011882 | 0.01460 |
| 524254.22 | 4260140.3 | 0.019059 | 0.015515 | 0.01906 |
| 524269.22 | 4260140.3 | 0.025633 | 0.020878 | 0.02563 |
| 524134.22 | 4260155.3 | 0.004119 | 0.003341 | 0.00412 |
| 524149.22 | 4260155.3 | 0.004787 | 0.003884 | 0.00479 |
| 524164.22 | 4260155.3 | 0.005669 | 0.004601 | 0.00567 |
| 524179.22 | 4260155.3 | 0.006815 | 0.005534 | 0.00681 |
| 524194.22 | 4260155.3 | 0.008281 | 0.00673 | 0.00828 |
| 524209.22 | 4260155.3 | 0.010228 | 0.008317 | 0.01023 |
| 524224.22 | 4260155.3 | 0.012916 | 0.010509 | 0.01292 |
| 524239.22 | 4260155.3 | 0.016691 | 0.013588 | 0.01669 |
| 524254.22 | 4260155.3 | 0.022027 | 0.01794 | 0.02203 |
| 524269.22 | 4260155.3 | 0.029868 | 0.024336 | 0.02987 |
| 524134.22 | 4260170.3 | 0.004451 | 0.003615 | 0.00445 |
| 524149.22 | 4260170.3 | 0.005196 | 0.00422 | 0.00520 |
| 524164.22 | 4260170.3 | 0.006185 | 0.005025 | 0.00619 |
| 524179.22 | 4260170.3 | 0.007488 | 0.006088 | 0.00749 |
| 524194.22 | 4260170.3 | 0.009163 | 0.007452 | 0.00916 |
| 524209.22 | 4260170.3 | 0.011368 | 0.00925 | 0.01137 |
| 524224.22 | 4260170.3 | 0.014479 | 0.011787 | 0.01448 |
| 524239.22 | 4260170.3 | 0.018866 | 0.015366 | 0.01887 |
| 524254.22 | 4260170.3 | 0.025061 | 0.020418 | 0.02506 |
| 524269.22 | 4260170.3 | 0.034134 | 0.027819 | 0.03413 |
| 524134.22 | 4260185.3 | 0.004904 | 0.003986 | 0.00490 |
| 524149.22 | 4260185.3 | 0.005742 | 0.004668 | 0.00574 |
| 524164.22 | 4260185.3 | 0.006837 | 0.00556 | 0.00684 |
| 524179.22 | 4260185.3 | 0.008271 | 0.006728 | 0.00827 |
| 524194.22 | 4260185.3 | 0.010171 | 0.008278 | 0.01017 |
| 524209.22 | 4260185.3 | 0.012711 | 0.010349 | 0.01271 |
| 524224.22 | 4260185.3 | 0.016178 | 0.013176 | 0.01618 |
| 524239.22 | 4260185.3 | 0.021031 | 0.017134 | 0.02103 |
| 524254.22 | 4260185.3 | 0.027864 | 0.022708 | 0.02786 |
| 524269.22 | 4260185.3 | 0.037832 | 0.030838 | 0.03783 |
| 524134.22 | 4260200.3 | 0.005438 | 0.004422 | 0.00544 |
| 524149.22 | 4260200.3 | 0.006386 | 0.005194 | 0.00639 |
| 524164.22 | 4260200.3 | 0.007596 | 0.00618 | 0.00760 |
| 524179.22 | 4260200.3 | 0.009157 | 0.007453 | 0.00916 |
| 524194.22 | 4260200.3 | 0.011273 | 0.009178 | 0.01127 |
| 524209.22 | 4260200.3 | 0.014144 | 0.011519 | 0.01414 |
| 524224.22 | 4260200.3 | 0.017946 | 0.014621 | 0.01795 |
| 524239.22 | 4260200.3 | 0.023152 | 0.018867 | 0.02315 |
| 524254.22 | 4260200.3 | 0.030452 | 0.02482 | 0.03045 |
| 524269.22 | 4260200.3 | 0.040968 | 0.033398 | 0.04097 |
| 524134.22 | 4260215.3 | 0.006115 | 0.004975 | 0.00611 |
| 524149.22 | 4260215.3 | 0.007175 | 0.005839 | 0.00718 |
| 524164.22 | 4260215.3 | 0.00852 | 0.006935 | 0.00852 |
| 524179.22 | 4260215.3 | 0.010238 | 0.008336 | 0.01024 |
| 524194.22 | 4260215.3 | 0.012576 | 0.010242 | 0.01258 |
| 524209.22 | 4260215.3 | 0.015713 | 0.012801 | 0.01571 |
| 524224.22 | 4260215.3 | 0.019833 | 0.016162 | 0.01983 |
| 524239.22 | 4260215.3 | 0.025289 | 0.020611 | 0.02529 |
| 524254.22 | 4260215.3 | 0.032855 | 0.026782 | 0.03285 |
| 524269.22 | 4260215.3 | 0.043411 | 0.035393 | 0.04341 |
| 524134.22 | 4260230.3 | 0.006808 | 0.005542 | 0.00681 |
| 524149.22 | 4260230.3 | 0.008 | 0.006514 | 0.00800 |
| 524164.22 | 4260230.3 | 0.00948 | 0.00772 | 0.00948 |
| 524179.22 | 4260230.3 | 0.011333 | 0.00923 | 0.01133 |
| 524194.22 | 4260230.3 | 0.013858 | 0.011289 | 0.01386 |
| 524209.22 | 4260230.3 | 0.017254 | 0.014059 | 0.01725 |
| 524224.22 | 4260230.3 | 0.021589 | 0.017595 | 0.02159 |
| 524239.22 | 4260230.3 | 0.027228 | 0.022195 | 0.02723 |
| 524254.22 | 4260230.3 | 0.034835 | 0.028399 | 0.03484 |
| 524269.22 | 4260230.3 | 0.045068 | 0.036746 | 0.04507 |
| 524134.22 | 4260245.3 | 0.007482 | 0.006093 | 0.00748 |
| 524149.22 | 4260245.3 | 0.008836 | 0.007196 | 0.00884 |
| 524164.22 | 4260245.3 | 0.010453 | 0.008514 | 0.01045 |
| 524179.22 | 4260245.3 | 0.012394 | 0.010097 | 0.01239 |
| 524194.22 | 4260245.3 | 0.015067 | 0.012277 | 0.01507 |
| 524209.22 | 4260245.3 | 0.018669 | 0.015214 | 0.01867 |
| 524224.22 | 4260245.3 | 0.023202 | 0.018911 | 0.02320 |
| 524239.22 | 4260245.3 | 0.028984 | 0.023629 | 0.02898 |
| 524254.22 | 4260245.3 | 0.036508 | 0.029765 | 0.03651 |
| 524269.22 | 4260245.3 | 0.046273 | 0.03773 | 0.04627 |
| 524134.22 | 4260260.3 | 0.008103 | 0.0066 | 0.00810 |
| 524149.22 | 4260260.3 | 0.009625 | 0.007841 | 0.00963 |
| 524164.22 | 4260260.3 | 0.011404 | 0.009291 | 0.01140 |
| 524179.22 | 4260260.3 | 0.013458 | 0.010966 | 0.01346 |
| 524194.22 | 4260260.3 | 0.016232 | 0.013228 | 0.01623 |
| 524209.22 | 4260260.3 | 0.019946 | 0.016258 | 0.01995 |
| 524224.22 | 4260260.3 | 0.024558 | 0.020019 | 0.02456 |
| 524239.22 | 4260260.3 | 0.030315 | 0.024715 | 0.03032 |
| 524254.22 | 4260260.3 | 0.037596 | 0.030653 | 0.03760 |
| 524269.22 | 4260260.3 | 0.046731 | 0.038104 | 0.04673 |
| 524134.22 | 4260275.3 | 0.008487 | 0.006914 | 0.00849 |
| 524149.22 | 4260275.3 | 0.010335 | 0.008421 | 0.01033 |
| 524164.22 | 4260275.3 | 0.01231 | 0.010031 | 0.01231 |
| 524179.22 | 4260275.3 | 0.014572 | 0.011875 | 0.01457 |
| 524194.22 | 4260275.3 | 0.017442 | 0.014217 | 0.01744 |
| 524209.22 | 4260275.3 | 0.021118 | 0.017214 | 0.02112 |
| 524224.22 | 4260275.3 | 0.025651 | 0.020912 | 0.02565 |
| 524239.22 | 4260275.3 | 0.031235 | 0.025466 | 0.03124 |
| 524254.22 | 4260275.3 | 0.038212 | 0.031157 | 0.03821 |
| 524269.22 | 4260275.3 | 0.046778 | 0.038143 | 0.04678 |
| 524134.22 | 4260290.3 | 0.008835 | 0.007199 | 0.00883 |
| 524149.22 | 4260290.3 | 0.01078 | 0.008785 | 0.01078 |
| 524164.22 | 4260290.3 | 0.013062 | 0.010646 | 0.01306 |
| 524179.22 | 4260290.3 | 0.015521 | 0.012651 | 0.01552 |
| 524194.22 | 4260290.3 | 0.01847 | 0.015055 | 0.01847 |
| 524209.22 | 4260290.3 | 0.022072 | 0.017993 | 0.02207 |
| 524224.22 | 4260290.3 | 0.026481 | 0.02159 | 0.02648 |
| 524239.22 | 4260290.3 | 0.031787 | 0.025917 | 0.03179 |
| 524254.22 | 4260290.3 | 0.038363 | 0.031281 | 0.03836 |
| 524269.22 | 4260290.3 | 0.046233 | 0.037699 | 0.04623 |
| 524134.22 | 4260305.3 | 0.009289 | 0.00757 | 0.00929 |
| 524149.22 | 4260305.3 | 0.011181 | 0.009112 | 0.01118 |
| 524164.22 | 4260305.3 | 0.013672 | 0.011144 | 0.01367 |
| 524179.22 | 4260305.3 | 0.01625 | 0.013246 | 0.01625 |
| 524194.22 | 4260305.3 | 0.019283 | 0.01572 | 0.01928 |
| 524209.22 | 4260305.3 | 0.022841 | 0.018622 | 0.02284 |
| 524224.22 | 4260305.3 | 0.027106 | 0.0221 | 0.02711 |
| 524239.22 | 4260305.3 | 0.032143 | 0.026208 | 0.03214 |
| 524254.22 | 4260305.3 | 0.038173 | 0.031127 | 0.03817 |
| 524269.22 | 4260305.3 | 0.045217 | 0.036872 | 0.04522 |
| 524134.22 | 4260320.3 | 0.009705 | 0.00791 | 0.00971 |
| 524149.22 | 4260320.3 | 0.011573 | 0.009433 | 0.01157 |
| 524164.22 | 4260320.3 | 0.013967 | 0.011385 | 0.01397 |
| 524179.22 | 4260320.3 | 0.016759 | 0.013662 | 0.01676 |
| 524194.22 | 4260320.3 | 0.019796 | 0.016139 | 0.01980 |
| 524209.22 | 4260320.3 | 0.023281 | 0.018981 | 0.02328 |
| 524224.22 | 4260320.3 | 0.027346 | 0.022296 | 0.02735 |
| 524239.22 | 4260320.3 | 0.032064 | 0.026144 | 0.03206 |
| 524254.22 | 4260320.3 | 0.037567 | 0.030633 | 0.03757 |
| 524269.22 | 4260320.3 | 0.043814 | 0.035728 | 0.04381 |
| 524134.22 | 4260335.3 | 0.010132 | 0.008259 | 0.01013 |
| 524149.22 | 4260335.3 | 0.012021 | 0.009798 | 0.01202 |
| 524164.22 | 4260335.3 | 0.014393 | 0.011733 | 0.01439 |
| 524179.22 | 4260335.3 | 0.017127 | 0.013962 | 0.01713 |
| 524194.22 | 4260335.3 | 0.020064 | 0.016358 | 0.02006 |
| 524209.22 | 4260335.3 | 0.02338 | 0.019062 | 0.02338 |
| 524224.22 | 4260335.3 | 0.027207 | 0.022183 | 0.02721 |
| 524239.22 | 4260335.3 | 0.031581 | 0.025751 | 0.03158 |
| 524254.22 | 4260335.3 | 0.036598 | 0.029843 | 0.03660 |
| 524269.22 | 4260335.3 | 0.042245 | 0.034449 | 0.04225 |
| 524134.22 | 4260350.3 | 0.010522 | 0.008577 | 0.01052 |
| 524149.22 | 4260350.3 | 0.01242 | 0.010125 | 0.01242 |
| 524164.22 | 4260350.3 | 0.014767 | 0.012038 | 0.01477 |
| 524179.22 | 4260350.3 | 0.017363 | 0.014155 | 0.01736 |
| 524194.22 | 4260350.3 | 0.020168 | 0.016443 | 0.02017 |
| 524209.22 | 4260350.3 | 0.0233 | 0.018998 | 0.02330 |
| 524224.22 | 4260350.3 | 0.026868 | 0.021908 | 0.02687 |
| 524239.22 | 4260350.3 | 0.030902 | 0.025198 | 0.03090 |
| 524254.22 | 4260350.3 | 0.035439 | 0.028898 | 0.03544 |
| 524269.22 | 4260350.3 | 0.040455 | 0.032989 | 0.04045 |
| 524204.65 | 4260012.52 | 0.003989 | 0.003206 | 0.00399 |
| 524203.43 | 4260005.01 | 0.003859 | 0.003102 | 0.00386 |
| 524204.65 | 4259997.73 | 0.003834 | 0.003085 | 0.00383 |
| 524204.4 | 4259988.28 | 0.003754 | 0.003023 | 0.00375 |
| 524189.13 | 4260004.28 | 0.00339 | 0.002712 | 0.00339 |
| 524189.37 | 4259993.85 | 0.003308 | 0.002649 | 0.00331 |
| 524190.83 | 4259982.7 | 0.00329 | 0.002637 | 0.00329 |
| 524246.78 | 4259946.49 | 0.005782 | 0.004693 | 0.00578 |
| 524255.34 | 4259929.66 | 0.006202 | 0.005037 | 0.00620 |
| 524250.49 | 4259937.65 | 0.005955 | 0.004835 | 0.00596 |
| 524232.52 | 4259935.94 | 0.004884 | 0.003958 | 0.00488 |
| 524220.54 | 4259937.94 | 0.004308 | 0.003485 | 0.00431 |
| 524212.55 | 4259949.92 | 0.003992 | 0.003225 | 0.00399 |
| 524206.28 | 4259957.62 | 0.003761 | 0.003032 | 0.00376 |
| 524199.43 | 4259957.05 | 0.003514 | 0.002828 | 0.00351 |
| 524188.31 | 4259954.48 | 0.00317 | 0.002539 | 0.00317 |
| 524196.86 | 4259946.49 | 0.003422 | 0.002751 | 0.00342 |
| 524203.71 | 4259947.63 | 0.003653 | 0.002943 | 0.00365 |
| 524199.43 | 4259934.8 | 0.003498 | 0.002815 | 0.00350 |
| 524206.56 | 4259925.1 | 0.003732 | 0.003009 | 0.00373 |
| 524213.12 | 4259917.68 | 0.00396 | 0.003198 | 0.00396 |
| 524241.93 | 4259920.25 | 0.005306 | 0.004305 | 0.00531 |
| 524215.97 | 4259907.7 | 0.00405 | 0.003273 | 0.00405 |
| 524221.11 | 4259892.3 | 0.004194 | 0.003392 | 0.00419 |
| 524238.79 | 4259898.86 | 0.004971 | 0.004031 | 0.00497 |
| 524238.79 | 4259907.98 | 0.005043 | 0.00409 | 0.00504 |
| 524237.37 | 4259884.59 | 0.004791 | 0.003883 | 0.00479 |
| 524214.83 | 4259881.17 | 0.00394 | 0.003181 | 0.00394 |
| 524203.14 | 4259873.47 | 0.003572 | 0.002874 | 0.00357 |
| 524198.29 | 4259867.19 | 0.003435 | 0.002758 | 0.00344 |
| 524232.8 | 4259867.19 | 0.004474 | 0.003622 | 0.00447 |
| 524233.09 | 4259857.5 | 0.004408 | 0.003568 | 0.00441 |
| 524235.66 | 4259852.36 | 0.004455 | 0.003606 | 0.00445 |
| 524239.65 | 4259845.51 | 0.004524 | 0.003664 | 0.00452 |
| 524243.93 | 4259834.68 | 0.004552 | 0.003686 | 0.00455 |
| 524250.49 | 4259823.84 | 0.004621 | 0.003744 | 0.00462 |
| 524243.64 | 4259822.12 | 0.004399 | 0.00356 | 0.00440 |
| 524232.8 | 4259816.13 | 0.004026 | 0.003252 | 0.00403 |
| 524225.1 | 4259826.4 | 0.003919 | 0.003163 | 0.00392 |
| 524218.26 | 4259836.67 | 0.003827 | 0.003086 | 0.00383 |
| 524210.55 | 4259846.94 | 0.003675 | 0.00296 | 0.00368 |
| 524202 | 4259857.5 | 0.003496 | 0.002809 | 0.00350 |
| 524265.77 | 4259728.17 | 0.003565 | 0.002864 | 0.00357 |
| 524273.47 | 4259713.63 | 0.003516 | 0.002824 | 0.00352 |
| 524276.89 | 4259698.51 | 0.003418 | 0.002744 | 0.00342 |
| 524260.92 | 4259693.94 | 0.003207 | 0.002547 | 0.00321 |
| 524251.79 | 4259711.06 | 0.003252 | 0.002577 | 0.00325 |
| 524250.65 | 4259723.04 | 0.003324 | 0.002645 | 0.00332 |
| 524265.2 | 4259620.63 | 0.002773 | 0.002166 | 0.00277 |
| 524284.88 | 4259588.39 | 0.002683 | 0.002105 | 0.00268 |
| 524305.71 | 4259554.73 | 0.002651 | 0.002073 | 0.00265 |
| 524315.12 | 4259565 | 0.002737 | 0.002172 | 0.00274 |
| 524303.99 | 4259604.08 | 0.002906 | 0.002323 | 0.00291 |
| 524638.04 | 4260127.68 | 0.033941 | 0.027681 | 0.03394 |
| 524645.94 | 4260114.25 | 0.029415 | 0.023989 | 0.02941 |
| 524647.12 | 4260105.17 | 0.02822 | 0.023015 | 0.02822 |
| 524662.52 | 4260077.53 | 0.021237 | 0.01732 | 0.02124 |
| 524692.14 | 4260053.84 | 0.014588 | 0.011896 | 0.01459 |
| 524752.55 | 4260050.68 | 0.009655 | 0.007874 | 0.00965 |
| 524338.94 | 4260404.55 | 0.045627 | 0.03721 | 0.04563 |
| 524441.43 | 4260403.88 | 0.049807 | 0.040621 | 0.04981 |
| 524538.99 | 4260369.97 | 0.031746 | 0.02589 | 0.03175 |
| 524566.4 | 4260356.96 | 0.028485 | 0.023231 | 0.02849 |
| 524530.17 | 4260389.94 | 0.030382 | 0.024778 | 0.03038 |
| 524498.28 | 4260239.21 | 0.169331 | 0.138106 | 0.16933 |
| 524477.41 | 4260262.98 | 0.164954 | 0.134535 | 0.16495 |
| 524494.8 | 4260256.02 | 0.149304 | 0.121771 | 0.14930 |
| 524515.67 | 4260222.4 | 0.156154 | 0.127358 | 0.15615 |
| 524519.73 | 4260238.63 | 0.127792 | 0.104226 | 0.12779 |
| 524519.15 | 4260249.06 | 0.11693 | 0.095367 | 0.11693 |
| 524529 | 4260210.8 | 0.144032 | 0.117471 | 0.14403 |
| 524535.38 | 4260221.82 | 0.122328 | 0.09977 | 0.12233 |
| 524534.22 | 4260237.47 | 0.108283 | 0.088315 | 0.10828 |
| 524546.97 | 4260196.89 | 0.121507 | 0.0991 | 0.12151 |
| 524546.97 | 4260211.38 | 0.112039 | 0.091378 | 0.11204 |
| 524549.87 | 4260224.14 | 0.09942 | 0.081086 | 0.09942 |
| 524560.3 | 4260187.04 | 0.10594 | 0.086404 | 0.10594 |
| 524569 | 4260203.85 | 0.086387 | 0.070456 | 0.08639 |
| 524580.01 | 4260180.66 | 0.082818 | 0.067545 | 0.08282 |
| 524580.01 | 4260198.05 | 0.077552 | 0.06325 | 0.07755 |
| 524588.13 | 4260163.27 | 0.076494 | 0.062387 | 0.07649 |
| 524598.57 | 4260182.98 | 0.064077 | 0.05226 | 0.06408 |
| 524596.25 | 4260169.64 | 0.067211 | 0.054816 | 0.06721 |

**Maximum Caner Risk**
0.2

**BAAQMD threshold of significance**
0.3

**Exceed thresholds?**
No

## Oakmont Emerald Isle

**Tier III**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

| **Construction Scheduling** | **2018** | | |
|---|---|---|---|
| | 8 | hours/day | |
| | 5 | days/week | |
| | 43 | weeks/year | *start from 3/1/2018 |
| | 1720 | hours/year | |

**Onsite Construction Area Source Size (m2):** 20898.3 from AERMOD

**Onsite Construction PM2.5 Emissions**

**2018**

| **Construction Activity** | **Onsite Annual DPM Exhaust Emissions (tons/year)** | **Onsite Annual DPM Exhaust Emissions (g/sec)** | **Onsite DPM Source Exhaust Emissions (g/m2-sec)** |
|---|---|---|---|
| Site Preparation | 2.370E-03 | 3.475E-04 | 1.663E-08 |
| Grading | 1.700E-02 | 2.493E-03 | 1.193E-07 |
| Underground Utilities | 1.180E-02 | 1.730E-03 | 8.280E-08 |
| Building Construction | 6.910E-02 | 1.013E-02 | 4.849E-07 |
| **Total** | **1.003E-01** | **1.470E-02** | **7.036E-07** |

**Offsite Construction Vehicle PM2.5 Emissions**

**2018**

| **Construction Activity** | **Offsite Hauling Annual DPM Exhaust Emissions (tons/year)** | **Offsite Vendor Annual DPM Exhaust Emissions (tons/year)** | **Offsite Workers Annual DPM Exhaust Emissions (tons/year)** | |
|---|---|---|---|---|
| Site Preparation | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| Grading | 3.310E-03 | 0.000E+00 | 2.000E-05 | |
| Underground Utilities | 0.000E+00 | 0.000E+00 | 2.000E-05 | |
| Building Construction | 0.000E+00 | 4.500E-04 | 5.800E-04 | |
| **Total (tons/year)** | **3.310E-03** | **4.500E-04** | **6.200E-04** | **4.380E-03** |
| **Trip Distance assumed in CalEEMod (mi)** | 20.0 | 7.3 | 10.8 | |
| **Offsite Project Trip Distance Along Roadway Segment** Project>RRBC>US101 (mi) | 0.77 | 0.77 | 0.77 | |
| **Offsite Project Emissions Along Roadway Segment** Project>RRBC>US101 (tons/year) | **1.277E-04** | **4.758E-05** | **4.431E-05** | |

| **Offsite Emissions Along Roadway Segment Analyzed** | |
|---|---|
| **Total Offsite Project Exhaust Emissions (tons/year)** | **2.196E-04** |
| **Total Offsite Project Exhaust Emissions (grams/sec)** | **3.220E-05** |

| | |
|---|---|
| **Onsite Exhaust Emissions (tons/year)** | **1.003E-01** |
| **Total Onsite Emissions (tons/year)** | **1.003E-01** |
| **Onsite Exhaust Emissions (g/m2-sec)** | **7.036E-07** |

| | |
|---|---|
| **Total PM@2.5 Exhaust (tons/year)** | 1.005E-01 |

## Oakmont Emerald Isle

**Tier III**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Construction Scheduling** **2019**

8 hours/day
5 days/week **end at May 3, 2019
17 weeks/year
680 hours/year

**Onsite Construction Area Source Size (m2):** 20898.30

**Onsite Construction PM2.5 Emissions**

| 2019 | Onsite | Onsite | Onsite DPM |
|---|---|---|---|
| **Construction Activity** | **Annual DPM Exhaust Emissions (tons/year)** | **Annual DPM Exhaust Emissions (g/sec)** | **Source Exhaust Emissions (g/m2-sec)** |
| Building Construction | 3.560E-02 | 1.320E-02 | 6.318E-07 |
| Paving | 4.900E-03 | 1.817E-03 | 8.697E-08 |
| Architectural Coating | 8.600E-04 | 3.190E-04 | 1.526E-08 |
| **Total** | **4.136E-02** | **1.534E-02** | **7.341E-07** |

**Offsite Construction Vehicle PM2.5 Emissions**

| 2019 | Offsite Hauling | Offsite Vendor | Offsite Workers |
|---|---|---|---|
| | **Annual DPM** | **Annual DPM** | **Annual DPM** |
| **Construction Activity** | **Exhaust Emissions** | **Exhaust Emissions** | **Exhaust Emissions** |
| | **(tons/year)** | **(tons/year)** | **(tons/year)** |
| Building Construction | 0.000E+00 | 1.900E-04 | 2.900E-04 |
| Paving | 0.000E+00 | 0.000E+00 | 2.000E-05 |
| Architectural Coating | 0.000E+00 | 0.000E+00 | 7.000E-05 |
| **Total (tons/year)** | **0.000E+00** | **1.900E-04** | **3.800E-04** |

**5.700E-04**

| | | | |
|---|---|---|---|
| Trip Distance assumed in CalEEMod (mi) | 20.0 | 7.3 | 10.8 |
| Offsite Project Trip Distance Project>Dry Creek Road>US101 (mi) | 0.77 | 0.77 | 0.77 |
| **Offsite Project Emissions** Project>Dry Creek Rd>US101 (tons/year) | **0.000E+00** | **2.009E-05** | **2.716E-05** |

| | |
|---|---|
| **Emissions Along Roadway Segment** | |
| **Offsite Project Exhaust Emissions (tons/year)** | **4.724E-05** |
| **Offsite Project Exhaust Emissions (grams/sec)** | **1.752E-05** |
| **Offsite Project Fugitive Emissions (tons/year)** | **0.000E+00** |
| **Offsite Project Fugitive Emissions (grams/sec)** | **0.000E+00** |

| | |
|---|---|
| **Onsite Exhaust Emissions (tons/year)** | **4.136E-02** |
| **Total Onsite Emissions (tons/year)** | **4.136E-02** |
| **Onsite Exhaust Emissions (g/m2-sec)** | **7.341E-07** |

| | |
|---|---|
| **Total PM@2.5 Exhaust (tons/year)** | 4.141E-02 |
| **Total PM2.5 (tons/year)** | **4.141E-02** |

## Oakmont Emerald Isle

2018 Tier III At Sensitive Receptors

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Annual Average Onsite DPM Exhaust Emission Rate:** 7.03582E-07
**Annual Average Offsite DPM Exhaust Emission Rate:** 3.22045E-05

| X (m) | Y (m) | Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Total DPM (ug/m3) |
|---|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.21757 | 0.00153 | 0.00066 | 2.12550E-04 | 0.00174 |
| 524149.22 | 4260065.3 | 0.24485 | 0.00172 | 0.00092 | 2.96282E-04 | 0.00202 |
| 524164.22 | 4260065.3 | 0.27751 | 0.00195 | 0.00099 | 3.18825E-04 | 0.00227 |
| 524179.22 | 4260065.3 | 0.3173 | 0.00223 | 0.00099 | 3.18825E-04 | 0.00255 |
| 524194.22 | 4260065.3 | 0.36632 | 0.00258 | 0.00101 | 3.25266E-04 | 0.00290 |
| 524209.22 | 4260065.3 | 0.428 | 0.00301 | 0.00104 | 3.34927E-04 | 0.00335 |
| 524224.22 | 4260065.3 | 0.50755 | 0.00357 | 0.00108 | 3.47809E-04 | 0.00392 |
| 524239.22 | 4260065.3 | 0.61335 | 0.00432 | 0.00113 | 3.63911E-04 | 0.00468 |
| 524254.22 | 4260065.3 | 0.75734 | 0.00533 | 0.00119 | 3.83234E-04 | 0.00571 |
| 524269.22 | 4260065.3 | 0.95864 | 0.00674 | 0.00126 | 4.05777E-04 | 0.00715 |
| 524134.22 | 4260080.3 | 0.23428 | 0.00165 | 0.00053 | 1.70684E-04 | 0.00182 |
| 524149.22 | 4260080.3 | 0.26466 | 0.00186 | 0.00067 | 2.15770E-04 | 0.00208 |
| 524164.22 | 4260080.3 | 0.3012 | 0.00212 | 0.00074 | 2.38313E-04 | 0.00236 |
| 524179.22 | 4260080.3 | 0.34591 | 0.00243 | 0.00075 | 2.41534E-04 | 0.00268 |
| 524194.22 | 4260080.3 | 0.40157 | 0.00283 | 0.00075 | 2.41534E-04 | 0.00307 |
| 524209.22 | 4260080.3 | 0.47231 | 0.00332 | 0.00075 | 2.41534E-04 | 0.00356 |
| 524224.22 | 4260080.3 | 0.56376 | 0.00397 | 0.00076 | 2.44754E-04 | 0.00421 |
| 524239.22 | 4260080.3 | 0.68592 | 0.00483 | 0.00078 | 2.51195E-04 | 0.00508 |
| 524254.22 | 4260080.3 | 0.85432 | 0.00601 | 0.00080 | 2.57636E-04 | 0.00627 |
| 524269.22 | 4260080.3 | 1.09449 | 0.00770 | 0.00084 | 2.70518E-04 | 0.00797 |
| 524134.22 | 4260095.3 | 0.25205 | 0.00177 | 0.00044 | 1.41700E-04 | 0.00192 |
| 524149.22 | 4260095.3 | 0.28615 | 0.00201 | 0.00054 | 1.73904E-04 | 0.00219 |
| 524164.22 | 4260095.3 | 0.3277 | 0.00231 | 0.00059 | 1.90007E-04 | 0.00250 |
| 524179.22 | 4260095.3 | 0.37935 | 0.00267 | 0.00060 | 1.93227E-04 | 0.00286 |
| 524194.22 | 4260095.3 | 0.44405 | 0.00312 | 0.00060 | 1.93227E-04 | 0.00332 |
| 524209.22 | 4260095.3 | 0.52689 | 0.00371 | 0.00059 | 1.90007E-04 | 0.00390 |
| 524224.22 | 4260095.3 | 0.63499 | 0.00447 | 0.00059 | 1.90007E-04 | 0.00466 |
| 524239.22 | 4260095.3 | 0.78033 | 0.00549 | 0.00060 | 1.93227E-04 | 0.00568 |
| 524254.22 | 4260095.3 | 0.98282 | 0.00691 | 0.00060 | 1.93227E-04 | 0.00711 |
| 524269.22 | 4260095.3 | 1.27749 | 0.00899 | 0.00061 | 1.96448E-04 | 0.00918 |
| 524134.22 | 4260110.3 | 0.27129 | 0.00191 | 0.00035 | 1.12716E-04 | 0.00202 |
| 524149.22 | 4260110.3 | 0.30966 | 0.00218 | 0.00042 | 1.35259E-04 | 0.00231 |
| 524164.22 | 4260110.3 | 0.35784 | 0.00252 | 0.00047 | 1.51361E-04 | 0.00267 |
| 524179.22 | 4260110.3 | 0.418 | 0.00294 | 0.00049 | 1.57802E-04 | 0.00310 |
| 524194.22 | 4260110.3 | 0.49461 | 0.00348 | 0.00049 | 1.57802E-04 | 0.00364 |
| 524209.22 | 4260110.3 | 0.59345 | 0.00418 | 0.00048 | 1.54582E-04 | 0.00433 |
| 524224.22 | 4260110.3 | 0.72351 | 0.00509 | 0.00048 | 1.54582E-04 | 0.00525 |
| 524239.22 | 4260110.3 | 0.90031 | 0.00633 | 0.00048 | 1.54582E-04 | 0.00649 |
| 524254.22 | 4260110.3 | 1.14882 | 0.00808 | 0.00048 | 1.54582E-04 | 0.00824 |
| 524269.22 | 4260110.3 | 1.51209 | 0.01064 | 0.00048 | 1.54582E-04 | 0.01079 |
| 524134.22 | 4260125.3 | 0.29185 | 0.00205 | 0.00029 | 9.33931E-05 | 0.00215 |
| 524149.22 | 4260125.3 | 0.33572 | 0.00236 | 0.00034 | 1.09495E-04 | 0.00247 |
| 524164.22 | 4260125.3 | 0.391 | 0.00275 | 0.00038 | 1.22377E-04 | 0.00287 |
| 524179.22 | 4260125.3 | 0.46144 | 0.00325 | 0.00040 | 1.28818E-04 | 0.00338 |
| 524194.22 | 4260125.3 | 0.55233 | 0.00389 | 0.00040 | 1.28818E-04 | 0.00401 |
| 524209.22 | 4260125.3 | 0.67098 | 0.00472 | 0.00040 | 1.28818E-04 | 0.00485 |
| 524224.22 | 4260125.3 | 0.82823 | 0.00583 | 0.00040 | 1.28818E-04 | 0.00596 |
| 524239.22 | 4260125.3 | 1.04426 | 0.00735 | 0.00040 | 1.28818E-04 | 0.00748 |
| 524254.22 | 4260125.3 | 1.34996 | 0.00950 | 0.00040 | 1.28818E-04 | 0.00963 |
| 524269.22 | 4260125.3 | 1.79972 | 0.01266 | 0.00040 | 1.28818E-04 | 0.01279 |
| 524134.22 | 4260140.3 | 0.31406 | 0.00221 | 0.00024 | 7.72908E-05 | 0.00229 |
| 524149.22 | 4260140.3 | 0.36374 | 0.00256 | 0.00028 | 9.01726E-05 | 0.00265 |
| 524164.22 | 4260140.3 | 0.42771 | 0.00301 | 0.00031 | 9.98340E-05 | 0.00311 |
| 524179.22 | 4260140.3 | 0.50983 | 0.00359 | 0.00033 | 1.06275E-04 | 0.00369 |
| 524194.22 | 4260140.3 | 0.61661 | 0.00434 | 0.00034 | 1.09495E-04 | 0.00445 |
| 524209.22 | 4260140.3 | 0.75814 | 0.00533 | 0.00034 | 1.09495E-04 | 0.00544 |
| 524224.22 | 4260140.3 | 0.9479 | 0.00667 | 0.00034 | 1.09495E-04 | 0.00678 |
| 524239.22 | 4260140.3 | 1.21063 | 0.00852 | 0.00034 | 1.09495E-04 | 0.00863 |
| 524254.22 | 4260140.3 | 1.58271 | 0.01114 | 0.00034 | 1.09495E-04 | 0.01125 |
| 524269.22 | 4260140.3 | 2.13206 | 0.01500 | 0.00033 | 1.06275E-04 | 0.01511 |
| 524134.22 | 4260155.3 | 0.33839 | 0.00238 | 0.00021 | 6.76295E-05 | 0.00245 |
| 524149.22 | 4260155.3 | 0.39363 | 0.00277 | 0.00023 | 7.40704E-05 | 0.00284 |
| 524164.22 | 4260155.3 | 0.46649 | 0.00328 | 0.00026 | 8.37317E-05 | 0.00337 |
| 524179.22 | 4260155.3 | 0.5619 | 0.00395 | 0.00027 | 8.69522E-05 | 0.00404 |
| 524194.22 | 4260155.3 | 0.68411 | 0.00481 | 0.00028 | 9.01726E-05 | 0.00490 |
| 524209.22 | 4260155.3 | 0.84649 | 0.00596 | 0.00029 | 9.33931E-05 | 0.00605 |
| 524224.22 | 4260155.3 | 1.07098 | 0.00754 | 0.00029 | 9.33931E-05 | 0.00763 |
| 524239.22 | 4260155.3 | 1.38626 | 0.00975 | 0.00029 | 9.33931E-05 | 0.00985 |
| 524254.22 | 4260155.3 | 1.83195 | 0.01289 | 0.00029 | 9.33931E-05 | 0.01298 |
| 524269.22 | 4260155.3 | 2.48712 | 0.01750 | 0.00028 | 9.01726E-05 | 0.01759 |
| 524134.22 | 4260170.3 | 0.36692 | 0.00258 | 0.00018 | 5.79681E-05 | 0.00264 |
| 524149.22 | 4260170.3 | 0.42859 | 0.00302 | 0.00020 | 6.44090E-05 | 0.00308 |
| 524164.22 | 4260170.3 | 0.51067 | 0.00359 | 0.00022 | 7.08499E-05 | 0.00366 |
| 524179.22 | 4260170.3 | 0.61926 | 0.00436 | 0.00023 | 7.40704E-05 | 0.00443 |
| 524194.22 | 4260170.3 | 0.75885 | 0.00534 | 0.00024 | 7.72908E-05 | 0.00542 |
| 524209.22 | 4260170.3 | 0.94274 | 0.00663 | 0.00025 | 8.05113E-05 | 0.00671 |
| 524224.22 | 4260170.3 | 1.20257 | 0.00846 | 0.00025 | 8.05113E-05 | 0.00854 |
| 524239.22 | 4260170.3 | 1.56904 | 0.01104 | 0.00025 | 8.05113E-05 | 0.01112 |
| 524254.22 | 4260170.3 | 2.08643 | 0.01468 | 0.00025 | 8.05113E-05 | 0.01476 |
| 524269.22 | 4260170.3 | 2.8445 | 0.02001 | 0.00024 | 7.72908E-05 | 0.02009 |
| 524134.22 | 4260185.3 | 0.4053 | 0.00285 | 0.00016 | 5.15272E-05 | 0.00290 |
| 524149.22 | 4260185.3 | 0.47478 | 0.00334 | 0.00018 | 5.79681E-05 | 0.00340 |
| 524164.22 | 4260185.3 | 0.56596 | 0.00398 | 0.00019 | 6.11886E-05 | 0.00404 |
| 524179.22 | 4260185.3 | 0.6854 | 0.00482 | 0.00020 | 6.44090E-05 | 0.00489 |
| 524194.22 | 4260185.3 | 0.84389 | 0.00594 | 0.00021 | 6.76295E-05 | 0.00601 |
| 524209.22 | 4260185.3 | 1.05598 | 0.00743 | 0.00021 | 6.76295E-05 | 0.00750 |
| 524224.22 | 4260185.3 | 1.34529 | 0.00947 | 0.00022 | 7.08499E-05 | 0.00954 |
| 524239.22 | 4260185.3 | 1.7506 | 0.01232 | 0.00022 | 7.08499E-05 | 0.01239 |
| 524254.22 | 4260185.3 | 2.32158 | 0.01633 | 0.00021 | 6.76295E-05 | 0.01640 |
| 524269.22 | 4260185.3 | 3.15415 | 0.02219 | 0.00021 | 6.76295E-05 | 0.02226 |
| 524134.22 | 4260200.3 | 0.45017 | 0.00317 | 0.00015 | 4.83068E-05 | 0.00322 |
| 524149.22 | 4260200.3 | 0.52905 | 0.00372 | 0.00016 | 5.15272E-05 | 0.00377 |
| 524164.22 | 4260200.3 | 0.62984 | 0.00443 | 0.00017 | 5.47477E-05 | 0.00449 |
| 524179.22 | 4260200.3 | 0.75995 | 0.00535 | 0.00018 | 5.79681E-05 | 0.00540 |
| 524194.22 | 4260200.3 | 0.93641 | 0.00659 | 0.00019 | 6.11886E-05 | 0.00665 |
| 524209.22 | 4260200.3 | 1.17623 | 0.00828 | 0.00019 | 6.11886E-05 | 0.00834 |
| 524224.22 | 4260200.3 | 1.49381 | 0.01051 | 0.00019 | 6.11886E-05 | 0.01057 |
| 524239.22 | 4260200.3 | 1.9286 | 0.01357 | 0.00019 | 6.11886E-05 | 0.01363 |
| 524254.22 | 4260200.3 | 2.5383 | 0.01786 | 0.00019 | 6.11886E-05 | 0.01792 |
| 524269.22 | 4260200.3 | 3.41685 | 0.02404 | 0.00018 | 5.79681E-05 | 0.02410 |
| 524134.22 | 4260215.3 | 0.50696 | 0.00357 | 0.00014 | 4.50863E-05 | 0.00361 |
| 524149.22 | 4260215.3 | 0.59524 | 0.00419 | 0.00015 | 4.83068E-05 | 0.00424 |
| 524164.22 | 4260215.3 | 0.70733 | 0.00498 | 0.00016 | 5.15272E-05 | 0.00503 |
| 524179.22 | 4260215.3 | 0.85081 | 0.00599 | 0.00016 | 5.15272E-05 | 0.00604 |
| 524194.22 | 4260215.3 | 1.04578 | 0.00736 | 0.00017 | 5.47477E-05 | 0.00741 |
| 524209.22 | 4260215.3 | 1.30779 | 0.00920 | 0.00017 | 5.47477E-05 | 0.00926 |
| 524224.22 | 4260215.3 | 1.65196 | 0.01162 | 0.00017 | 5.47477E-05 | 0.01168 |
| 524239.22 | 4260215.3 | 2.10761 | 0.01483 | 0.00017 | 5.47477E-05 | 0.01488 |
| 524254.22 | 4260215.3 | 2.73953 | 0.01927 | 0.00017 | 5.47477E-05 | 0.01933 |
| 524269.22 | 4260215.3 | 3.62148 | 0.02548 | 0.00016 | 5.15272E-05 | 0.02553 |
| 524134.22 | 4260230.3 | 0.56541 | 0.00398 | 0.00012 | 3.86454E-05 | 0.00402 |
| 524149.22 | 4260230.3 | 0.66468 | 0.00468 | 0.00013 | 4.18659E-05 | 0.00472 |
| 524164.22 | 4260230.3 | 0.78803 | 0.00554 | 0.00014 | 4.50863E-05 | 0.00559 |
| 524179.22 | 4260230.3 | 0.94253 | 0.00663 | 0.00015 | 4.83068E-05 | 0.00668 |
| 524194.22 | 4260230.3 | 1.15338 | 0.00811 | 0.00015 | 4.83068E-05 | 0.00816 |
| 524209.22 | 4260230.3 | 1.43703 | 0.01011 | 0.00015 | 4.83068E-05 | 0.01016 |
| 524224.22 | 4260230.3 | 1.7991 | 0.01266 | 0.00015 | 4.83068E-05 | 0.01271 |
| 524239.22 | 4260230.3 | 2.27011 | 0.01597 | 0.00015 | 4.83068E-05 | 0.01602 |
| 524254.22 | 4260230.3 | 2.90549 | 0.02044 | 0.00015 | 4.83068E-05 | 0.02049 |
| 524269.22 | 4260230.3 | 3.76042 | 0.02646 | 0.00014 | 4.50863E-05 | 0.02650 |
| 524134.22 | 4260245.3 | 0.62194 | 0.00438 | 0.00011 | 3.54250E-05 | 0.00441 |
| 524149.22 | 4260245.3 | 0.73478 | 0.00517 | 0.00012 | 3.86454E-05 | 0.00521 |
| 524164.22 | 4260245.3 | 0.86958 | 0.00612 | 0.00013 | 4.18659E-05 | 0.00616 |
| 524179.22 | 4260245.3 | 1.03166 | 0.00726 | 0.00013 | 4.18659E-05 | 0.00730 |
| 524194.22 | 4260245.3 | 1.25467 | 0.00883 | 0.00014 | 4.50863E-05 | 0.00887 |
| 524209.22 | 4260245.3 | 1.55549 | 0.01094 | 0.00014 | 4.50863E-05 | 0.01099 |
| 524224.22 | 4260245.3 | 1.93407 | 0.01361 | 0.00014 | 4.50863E-05 | 0.01365 |
| 524239.22 | 4260245.3 | 2.41734 | 0.01701 | 0.00013 | 4.18659E-05 | 0.01705 |
| 524254.22 | 4260245.3 | 3.04572 | 0.02143 | 0.00013 | 4.18659E-05 | 0.02147 |
| 524269.22 | 4260245.3 | 3.86134 | 0.02717 | 0.00013 | 4.18659E-05 | 0.02721 |
| 524134.22 | 4260260.3 | 0.67408 | 0.00474 | 0.00010 | 3.22045E-05 | 0.00477 |
| 524149.22 | 4260260.3 | 0.80097 | 0.00564 | 0.00011 | 3.54250E-05 | 0.00567 |
| 524164.22 | 4260260.3 | 0.94951 | 0.00668 | 0.00011 | 3.54250E-05 | 0.00672 |
| 524179.22 | 4260260.3 | 1.12084 | 0.00789 | 0.00012 | 3.86454E-05 | 0.00792 |
| 524194.22 | 4260260.3 | 1.35248 | 0.00952 | 0.00012 | 3.86454E-05 | 0.00955 |
| 524209.22 | 4260260.3 | 1.66274 | 0.01170 | 0.00012 | 3.86454E-05 | 0.01174 |
| 524224.22 | 4260260.3 | 2.04791 | 0.01441 | 0.00012 | 3.86454E-05 | 0.01445 |
| 524239.22 | 4260260.3 | 2.52877 | 0.01779 | 0.00012 | 3.86454E-05 | 0.01783 |
| 524254.22 | 4260260.3 | 3.13684 | 0.02207 | 0.00012 | 3.86454E-05 | 0.02211 |
| 524269.22 | 4260260.3 | 3.89985 | 0.02744 | 0.00012 | 3.86454E-05 | 0.02748 |
| 524134.22 | 4260275.3 | 0.70639 | 0.00497 | 0.00009 | 2.89841E-05 | 0.00500 |
| 524149.22 | 4260275.3 | 0.8605 | 0.00605 | 0.00010 | 3.22045E-05 | 0.00609 |
| 524164.22 | 4260275.3 | 1.02545 | 0.00721 | 0.00010 | 3.22045E-05 | 0.00725 |
| 524179.22 | 4260275.3 | 1.21412 | 0.00854 | 0.00011 | 3.54250E-05 | 0.00858 |
| 524194.22 | 4260275.3 | 1.45385 | 0.01023 | 0.00011 | 3.54250E-05 | 0.01026 |
| 524209.22 | 4260275.3 | 1.76083 | 0.01239 | 0.00011 | 3.54250E-05 | 0.01242 |
| 524224.22 | 4260275.3 | 2.13949 | 0.01505 | 0.00011 | 3.54250E-05 | 0.01509 |
| 524239.22 | 4260275.3 | 2.60587 | 0.01833 | 0.00011 | 3.54250E-05 | 0.01837 |
| 524254.22 | 4260275.3 | 3.1886 | 0.02243 | 0.00011 | 3.54250E-05 | 0.02247 |
| 524269.22 | 4260275.3 | 3.90406 | 0.02747 | 0.00011 | 3.54250E-05 | 0.02750 |
| 524134.22 | 4260290.3 | 0.73573 | 0.00518 | 0.00008 | 2.57636E-05 | 0.00520 |
| 524149.22 | 4260290.3 | 0.89797 | 0.00632 | 0.00009 | 2.89841E-05 | 0.00635 |
| 524164.22 | 4260290.3 | 1.08855 | 0.00766 | 0.00009 | 2.89841E-05 | 0.00769 |
| 524179.22 | 4260290.3 | 1.29367 | 0.00910 | 0.00010 | 3.22045E-05 | 0.00913 |
| 524194.22 | 4260290.3 | 1.53994 | 0.01083 | 0.00010 | 3.22045E-05 | 0.01087 |
| 524209.22 | 4260290.3 | 1.84078 | 0.01295 | 0.00010 | 3.22045E-05 | 0.01298 |
| 524224.22 | 4260290.3 | 2.20907 | 0.01554 | 0.00010 | 3.22045E-05 | 0.01557 |
| 524239.22 | 4260290.3 | 2.65222 | 0.01866 | 0.00010 | 3.22045E-05 | 0.01869 |
| 524254.22 | 4260290.3 | 3.2015 | 0.02253 | 0.00010 | 3.22045E-05 | 0.02256 |
| 524269.22 | 4260290.3 | 3.85874 | 0.02715 | 0.00010 | 3.22045E-05 | 0.02718 |
| 524134.22 | 4260305.3 | 0.77393 | 0.00545 | 0.00007 | 2.25432E-05 | 0.00547 |
| 524149.22 | 4260305.3 | 0.93169 | 0.00656 | 0.00008 | 2.57636E-05 | 0.00658 |
| 524164.22 | 4260305.3 | 1.13973 | 0.00802 | 0.00008 | 2.57636E-05 | 0.00804 |
| 524179.22 | 4260305.3 | 1.35485 | 0.00953 | 0.00009 | 2.89841E-05 | 0.00956 |
| 524194.22 | 4260305.3 | 1.60817 | 0.01131 | 0.00009 | 2.89841E-05 | 0.01134 |
| 524209.22 | 4260305.3 | 1.90533 | 0.01341 | 0.00009 | 2.89841E-05 | 0.01343 |
| 524224.22 | 4260305.3 | 2.2615 | 0.01591 | 0.00009 | 2.89841E-05 | 0.01594 |
| 524239.22 | 4260305.3 | 2.6822 | 0.01887 | 0.00009 | 2.89841E-05 | 0.01890 |
| 524254.22 | 4260305.3 | 3.18586 | 0.02242 | 0.00009 | 2.89841E-05 | 0.02244 |
| 524269.22 | 4260305.3 | 3.77418 | 0.02655 | 0.00009 | 2.89841E-05 | 0.02658 |
| 524134.22 | 4260320.3 | 0.80873 | 0.00569 | 0.00007 | 2.25432E-05 | 0.00571 |
| 524149.22 | 4260320.3 | 0.96475 | 0.00679 | 0.00007 | 2.25432E-05 | 0.00681 |
| 524164.22 | 4260320.3 | 1.16443 | 0.00819 | 0.00008 | 2.57636E-05 | 0.00822 |
| 524179.22 | 4260320.3 | 1.39759 | 0.00983 | 0.00008 | 2.57636E-05 | 0.00986 |
| 524194.22 | 4260320.3 | 1.65125 | 0.01162 | 0.00008 | 2.57636E-05 | 0.01164 |
| 524209.22 | 4260320.3 | 1.94208 | 0.01366 | 0.00009 | 2.89841E-05 | 0.01369 |
| 524224.22 | 4260320.3 | 2.28161 | 0.01605 | 0.00009 | 2.89841E-05 | 0.01608 |
| 524239.22 | 4260320.3 | 2.6756 | 0.01883 | 0.00009 | 2.89841E-05 | 0.01885 |
| 524254.22 | 4260320.3 | 3.13548 | 0.02206 | 0.00008 | 2.57636E-05 | 0.02209 |
| 524269.22 | 4260320.3 | 3.65724 | 0.02573 | 0.00008 | 2.57636E-05 | 0.02576 |
| 524134.22 | 4260335.3 | 0.84466 | 0.00594 | 0.00006 | 1.93227E-05 | 0.00596 |
| 524149.22 | 4260335.3 | 1.00213 | 0.00705 | 0.00007 | 2.25432E-05 | 0.00707 |
| 524164.22 | 4260335.3 | 1.20024 | 0.00844 | 0.00007 | 2.25432E-05 | 0.00847 |
| 524179.22 | 4260335.3 | 1.42832 | 0.01005 | 0.00008 | 2.57636E-05 | 0.01008 |
| 524194.22 | 4260335.3 | 1.67364 | 0.01178 | 0.00008 | 2.57636E-05 | 0.01180 |
| 524209.22 | 4260335.3 | 1.95057 | 0.01372 | 0.00008 | 2.57636E-05 | 0.01375 |
| 524224.22 | 4260335.3 | 2.27019 | 0.01597 | 0.00008 | 2.57636E-05 | 0.01600 |
| 524239.22 | 4260335.3 | 2.63556 | 0.01854 | 0.00008 | 2.57636E-05 | 0.01857 |
| 524254.22 | 4260335.3 | 3.05462 | 0.02149 | 0.00008 | 2.57636E-05 | 0.02152 |
| 524269.22 | 4260335.3 | 3.52627 | 0.02481 | 0.00008 | 2.57636E-05 | 0.02484 |
| 524134.22 | 4260350.3 | 0.8772 | 0.00617 | 0.00006 | 1.93227E-05 | 0.00619 |
| 524149.22 | 4260350.3 | 1.03577 | 0.00729 | 0.00006 | 1.93227E-05 | 0.00731 |
| 524164.22 | 4260350.3 | 1.23145 | 0.00866 | 0.00007 | 2.25432E-05 | 0.00869 |
| 524179.22 | 4260350.3 | 1.44828 | 0.01019 | 0.00007 | 2.25432E-05 | 0.01021 |
| 524194.22 | 4260350.3 | 1.68257 | 0.01184 | 0.00007 | 2.25432E-05 | 0.01186 |
| 524209.22 | 4260350.3 | 1.94417 | 0.01368 | 0.00007 | 2.25432E-05 | 0.01370 |
| 524224.22 | 4260350.3 | 2.24221 | 0.01578 | 0.00007 | 2.25432E-05 | 0.01580 |
| 524239.22 | 4260350.3 | 2.57914 | 0.01815 | 0.00007 | 2.25432E-05 | 0.01817 |
| 524254.22 | 4260350.3 | 2.95805 | 0.02081 | 0.00007 | 2.25432E-05 | 0.02083 |
| 524269.22 | 4260350.3 | 3.37698 | 0.02376 | 0.00007 | 2.25432E-05 | 0.02378 |
| 524204.65 | 4260012.52 | 0.31841 | 0.00224 | 0.00055 | 1.77125E-04 | 0.00242 |
| 524203.43 | 4260005.01 | 0.30836 | 0.00217 | 0.00052 | 1.67463E-04 | 0.00234 |
| 524204.65 | 4259997.73 | 0.3073 | 0.00216 | 0.00048 | 1.54582E-04 | 0.00232 |
| 524204.4 | 4259988.28 | 0.30147 | 0.00212 | 0.00045 | 1.44920E-04 | 0.00227 |
| 524189.13 | 4260004.28 | 0.26697 | 0.00188 | 0.00060 | 1.93227E-04 | 0.00207 |
| 524189.37 | 4259993.85 | 0.26126 | 0.00184 | 0.00056 | 1.80345E-04 | 0.00202 |
| 524190.83 | 4259982.7 | 0.26049 | 0.00183 | 0.00053 | 1.70684E-04 | 0.00200 |
| 524246.78 | 4259946.49 | 0.47596 | 0.00335 | 0.00026 | 8.37317E-05 | 0.00343 |
| 524255.34 | 4259929.66 | 0.51151 | 0.00360 | 0.00024 | 7.72908E-05 | 0.00368 |
| 524250.49 | 4259937.65 | 0.49065 | 0.00345 | 0.00025 | 8.05113E-05 | 0.00353 |
| 524232.52 | 4259935.94 | 0.40012 | 0.00282 | 0.00029 | 9.33931E-05 | 0.00291 |
| 524220.54 | 4259937.94 | 0.35094 | 0.00247 | 0.00033 | 1.06275E-04 | 0.00258 |
| 524212.55 | 4259949.92 | 0.32376 | 0.00228 | 0.00036 | 1.15936E-04 | 0.00239 |
| 524206.28 | 4259957.62 | 0.30335 | 0.00213 | 0.00040 | 1.28818E-04 | 0.00226 |
| 524199.43 | 4259957.05 | 0.2817 | 0.00198 | 0.00044 | 1.41700E-04 | 0.00212 |
| 524188.31 | 4259954.48 | 0.25028 | 0.00176 | 0.00054 | 1.73904E-04 | 0.00193 |
| 524196.86 | 4259946.49 | 0.27341 | 0.00192 | 0.00046 | 1.48141E-04 | 0.00207 |
| 524203.71 | 4259947.63 | 0.29404 | 0.00207 | 0.00041 | 1.32039E-04 | 0.00220 |
| 524199.43 | 4259934.8 | 0.28033 | 0.00197 | 0.00044 | 1.41700E-04 | 0.00211 |
| 524206.56 | 4259925.1 | 0.30091 | 0.00212 | 0.00040 | 1.28818E-04 | 0.00225 |
| 524213.12 | 4259917.68 | 0.32103 | 0.00226 | 0.00036 | 1.15936E-04 | 0.00237 |
| 524241.93 | 4259920.25 | 0.43619 | 0.00307 | 0.00026 | 8.37317E-05 | 0.00315 |
| 524215.97 | 4259907.7 | 0.32888 | 0.00231 | 0.00035 | 1.12716E-04 | 0.00243 |
| 524221.11 | 4259892.3 | 0.34142 | 0.00240 | 0.00033 | 1.06275E-04 | 0.00251 |
| 524238.79 | 4259898.86 | 0.40795 | 0.00287 | 0.00027 | 8.69522E-05 | 0.00296 |
| 524238.79 | 4259907.98 | 0.41397 | 0.00291 | 0.00027 | 8.69522E-05 | 0.00300 |
| 524237.37 | 4259884.59 | 0.39264 | 0.00276 | 0.00028 | 9.01726E-05 | 0.00285 |
| 524214.83 | 4259881.17 | 0.31909 | 0.00225 | 0.00037 | 1.19157E-04 | 0.00236 |
| 524203.14 | 4259873.47 | 0.28624 | 0.00201 | 0.00045 | 1.44920E-04 | 0.00216 |
| 524198.29 | 4259867.19 | 0.27347 | 0.00192 | 0.00050 | 1.61023E-04 | 0.00209 |
| 524232.8 | 4259867.19 | 0.36531 | 0.00257 | 0.00031 | 9.98340E-05 | 0.00267 |
| 524233.09 | 4259857.5 | 0.35986 | 0.00253 | 0.00031 | 9.98340E-05 | 0.00263 |
| 524235.66 | 4259852.36 | 0.36372 | 0.00256 | 0.00031 | 9.98340E-05 | 0.00266 |
| 524239.65 | 4259845.51 | 0.36981 | 0.00260 | 0.00030 | 9.66135E-05 | 0.00270 |
| 524243.93 | 4259834.68 | 0.37212 | 0.00262 | 0.00030 | 9.66135E-05 | 0.00271 |
| 524250.49 | 4259823.84 | 0.37816 | 0.00266 | 0.00029 | 9.33931E-05 | 0.00275 |
| 524243.64 | 4259822.12 | 0.35904 | 0.00253 | 0.00031 | 9.98340E-05 | 0.00263 |
| 524232.8 | 4259816.13 | 0.32654 | 0.00230 | 0.00036 | 1.15936E-04 | 0.00241 |
| 524225.1 | 4259826.4 | 0.31712 | 0.00223 | 0.00038 | 1.22377E-04 | 0.00235 |
| 524218.26 | 4259836.67 | 0.30884 | 0.00217 | 0.00040 | 1.28818E-04 | 0.00230 |
| 524210.55 | 4259846.94 | 0.29539 | 0.00208 | 0.00043 | 1.38479E-04 | 0.00222 |
| 524202 | 4259857.5 | 0.27883 | 0.00196 | 0.00049 | 1.57802E-04 | 0.00212 |
| 524265.77 | 4259728.17 | 0.28432 | 0.00200 | 0.00050 | 1.61023E-04 | 0.00216 |
| 524273.47 | 4259713.63 | 0.28025 | 0.00197 | 0.00050 | 1.61023E-04 | 0.00213 |
| 524276.89 | 4259698.51 | 0.272 | 0.00191 | 0.00050 | 1.61023E-04 | 0.00207 |
| 524260.92 | 4259693.94 | 0.24685 | 0.00174 | 0.00078 | 2.51195E-04 | 0.00199 |
| 524251.79 | 4259711.06 | 0.24846 | 0.00175 | 0.00086 | 2.76959E-04 | 0.00203 |
| 524250.65 | 4259723.04 | 0.25722 | 0.00181 | 0.00076 | 2.44754E-04 | 0.00205 |
| 524265.2 | 4259620.63 | 0.20204 | 0.00142 | 0.00110 | 3.54250E-04 | 0.00178 |
| 524284.88 | 4259588.39 | 0.19856 | 0.00140 | 0.00095 | 3.05943E-04 | 0.00170 |
| 524305.71 | 4259554.73 | 0.19401 | 0.00137 | 0.00102 | 3.28486E-04 | 0.00169 |
| 524315.12 | 4259565 | 0.21004 | 0.00148 | 0.00069 | 2.22211E-04 | 0.00170 |
| 524303.99 | 4259604.08 | 0.22817 | 0.00161 | 0.00054 | 1.73904E-04 | 0.00178 |
| 524638.04 | 4260127.68 | 2.83432 | 0.01994 | 0.00002 | 6.44090E-06 | 0.01995 |
| 524645.94 | 4260114.25 | 2.45624 | 0.01728 | 0.00002 | 6.44090E-06 | 0.01729 |
| 524647.12 | 4260105.17 | 2.35648 | 0.01658 | 0.00002 | 6.44090E-06 | 0.01659 |
| 524662.52 | 4260077.53 | 1.77325 | 0.01248 | 0.00002 | 6.44090E-06 | 0.01248 |
| 524692.14 | 4260053.84 | 1.21786 | 0.00857 | 0.00002 | 6.44090E-06 | 0.00858 |
| 524752.55 | 4260050.68 | 0.80613 | 0.00567 | 0.00001 | 3.22045E-06 | 0.00568 |
| 524338.94 | 4260404.55 | 3.80975 | 0.02680 | 0.00004 | 1.28818E-05 | 0.02682 |
| 524441.43 | 4260403.88 | 4.15918 | 0.02926 | 0.00003 | 9.66135E-06 | 0.02927 |
| 524538.99 | 4260369.97 | 2.65092 | 0.01865 | 0.00002 | 6.44090E-06 | 0.01866 |
| 524566.4 | 4260356.96 | 2.37859 | 0.01674 | 0.00002 | 6.44090E-06 | 0.01674 |
| 524530.17 | 4260389.94 | 2.53701 | 0.01785 | 0.00002 | 6.44090E-06 | 0.01786 |
| 524498.28 | 4260239.21 | 14.14181 | 0.09950 | 0.00004 | 1.28818E-05 | 0.09951 |
| 524477.41 | 4260262.98 | 13.77617 | 0.09693 | 0.00004 | 1.28818E-05 | 0.09694 |
| 524494.8 | 4260256.02 | 12.46909 | 0.08773 | 0.00004 | 1.28818E-05 | 0.08774 |
| 524515.67 | 4260222.4 | 13.04118 | 0.09176 | 0.00004 | 1.28818E-05 | 0.09177 |
| 524519.73 | 4260238.63 | 10.67239 | 0.07509 | 0.00004 | 1.28818E-05 | 0.07510 |
| 524519.15 | 4260249.06 | 9.76543 | 0.06871 | 0.00003 | 9.66135E-06 | 0.06872 |
| 524529 | 4260210.8 | 12.02879 | 0.08463 | 0.00004 | 1.28818E-05 | 0.08465 |
| 524535.38 | 4260221.82 | 10.21628 | 0.07188 | 0.00003 | 9.66135E-06 | 0.07189 |
| 524534.22 | 4260237.47 | 9.04324 | 0.06363 | 0.00003 | 9.66135E-06 | 0.06364 |
| 524546.97 | 4260196.89 | 10.1477 | 0.07140 | 0.00003 | 9.66135E-06 | 0.07141 |
| 524546.97 | 4260211.38 | 9.35687 | 0.06583 | 0.00003 | 9.66135E-06 | 0.06584 |
| 524549.87 | 4260224.14 | 8.30297 | 0.05842 | 0.00003 | 9.66135E-06 | 0.05843 |
| 524560.3 | 4260187.04 | 8.84755 | 0.06225 | 0.00003 | 9.66135E-06 | 0.06226 |
| 524569 | 4260203.85 | 7.21438 | 0.05076 | 0.00003 | 9.66135E-06 | 0.05077 |
| 524580.01 | 4260180.66 | 6.91629 | 0.04866 | 0.00003 | 9.66135E-06 | 0.04867 |
| 524580.01 | 4260198.05 | 6.47651 | 0.04557 | 0.00003 | 9.66135E-06 | 0.04558 |
| 524588.13 | 4260163.27 | 6.38813 | 0.04495 | 0.00003 | 9.66135E-06 | 0.04496 |
| 524598.57 | 4260182.98 | 5.35106 | 0.03765 | 0.00003 | 9.66135E-06 | 0.03766 |
| 524596.25 | 4260169.64 | 5.61282 | 0.03949 | 0.00003 | 9.66135E-06 | 0.03950 |

**Oakmont Emerald Ski**

Commercial Annual Alpine Concession, Effective 5/1 Annual

Annual Average Value: $[illegible] Annual Concession Fee:

$ [illegible]

2024

Year 4

All Dollar Amounts Are Approximate

| A | A | Alpine Annual Actual Net Income | Alpine Annual Actual Net Income | Alpine Annual Actual Net Income | Alpine Annual Actual Net Income | Alpine Annual Actual Net Income | Alpine Annual Actual Net Income | Total |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

## Oakmont Emerald Isle

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | Unit DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 3rd Trimester | 1 | 10 | 361 | 0.85 | 0.25 | 11.6 |
| 1 | 1 | 10 | 1090 | 0.85 | 1 | 139.6 |
| 2 | 1 | 10 | 1090 | 0.85 | 1 | 139.6 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** Tier III at Sensitive Recptors

**Estimated Cancer Risks from Construction DPM - Infant Receptors**

**Maximum Caner Risk**
29.5
**BAAQMD threshold of significance**
10
**Exceed thresholds?**
Yes

| X (m) | Y (m) | InfantCancer Risk (3rd Trimester) 2018 (/million) | Infant Cancer Risk (year 1) 2018 (/million) | Infant Cancer Risk (year 2) 2019 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.020 | 0.243 | 0.239 | 0.50266 |
| 524149.22 | 4260065.3 | 0.023 | 0.282 | 0.273 | 0.57865 |
| 524164.22 | 4260065.3 | 0.026 | 0.317 | 0.309 | 0.65198 |
| 524179.22 | 4260065.3 | 0.029 | 0.356 | 0.349 | 0.73508 |
| 524194.22 | 4260065.3 | 0.034 | 0.405 | 0.400 | 0.83892 |
| 524209.22 | 4260065.3 | 0.039 | 0.467 | 0.464 | 0.96993 |
| 524224.22 | 4260065.3 | 0.045 | 0.547 | 0.547 | 1.13899 |
| 524239.22 | 4260065.3 | 0.054 | 0.653 | 0.656 | 1.36361 |
| 524254.22 | 4260065.3 | 0.066 | 0.797 | 0.805 | 1.66871 |
| 524269.22 | 4260065.3 | 0.083 | 0.998 | 1.013 | 2.09423 |
| 524134.22 | 4260080.3 | 0.021 | 0.254 | 0.253 | 0.52805 |
| 524149.22 | 4260080.3 | 0.024 | 0.290 | 0.288 | 0.60174 |
| 524164.22 | 4260080.3 | 0.027 | 0.329 | 0.327 | 0.68317 |
| 524179.22 | 4260080.3 | 0.031 | 0.373 | 0.373 | 0.77727 |
| 524194.22 | 4260080.3 | 0.035 | 0.428 | 0.430 | 0.89352 |
| 524209.22 | 4260080.3 | 0.041 | 0.498 | 0.502 | 1.04125 |
| 524224.22 | 4260080.3 | 0.049 | 0.588 | 0.596 | 1.23297 |
| 524239.22 | 4260080.3 | 0.059 | 0.709 | 0.722 | 1.48956 |
| 524254.22 | 4260080.3 | 0.072 | 0.875 | 0.895 | 1.84272 |
| 524269.22 | 4260080.3 | 0.092 | 1.113 | 1.142 | 2.34723 |
| 524134.22 | 4260095.3 | 0.022 | 0.267 | 0.269 | 0.55858 |
| 524149.22 | 4260095.3 | 0.025 | 0.305 | 0.306 | 0.63711 |
| 524164.22 | 4260095.3 | 0.029 | 0.348 | 0.350 | 0.72754 |
| 524179.22 | 4260095.3 | 0.033 | 0.400 | 0.403 | 0.83614 |
| 524194.22 | 4260095.3 | 0.038 | 0.463 | 0.470 | 0.97126 |
| 524209.22 | 4260095.3 | 0.045 | 0.544 | 0.554 | 1.14354 |
| 524224.22 | 4260095.3 | 0.054 | 0.650 | 0.665 | 1.36930 |
| 524239.22 | 4260095.3 | 0.066 | 0.793 | 0.814 | 1.67357 |
| 524254.22 | 4260095.3 | 0.082 | 0.992 | 1.022 | 2.09646 |
| 524269.22 | 4260095.3 | 0.106 | 1.282 | 1.324 | 2.71259 |
| 524134.22 | 4260110.3 | 0.023 | 0.282 | 0.287 | 0.59218 |
| 524149.22 | 4260110.3 | 0.027 | 0.323 | 0.328 | 0.67743 |
| 524164.22 | 4260110.3 | 0.031 | 0.373 | 0.378 | 0.78171 |
| 524179.22 | 4260110.3 | 0.036 | 0.433 | 0.440 | 0.90881 |
| 524194.22 | 4260110.3 | 0.042 | 0.508 | 0.519 | 1.06881 |
| 524209.22 | 4260110.3 | 0.050 | 0.605 | 0.620 | 1.27450 |
| 524224.22 | 4260110.3 | 0.061 | 0.732 | 0.753 | 1.54612 |
| 524239.22 | 4260110.3 | 0.075 | 0.906 | 0.934 | 1.91536 |
| 524254.22 | 4260110.3 | 0.095 | 1.150 | 1.189 | 2.43436 |
| 524269.22 | 4260110.3 | 0.125 | 1.507 | 1.561 | 3.19303 |
| 524134.22 | 4260125.3 | 0.025 | 0.300 | 0.306 | 0.63073 |
| 524149.22 | 4260125.3 | 0.029 | 0.345 | 0.352 | 0.72600 |
| 524164.22 | 4260125.3 | 0.033 | 0.401 | 0.410 | 0.84438 |
| 524179.22 | 4260125.3 | 0.039 | 0.471 | 0.483 | 0.99295 |
| 524194.22 | 4260125.3 | 0.046 | 0.561 | 0.576 | 1.18277 |
| 524209.22 | 4260125.3 | 0.056 | 0.677 | 0.697 | 1.43056 |
| 524224.22 | 4260125.3 | 0.069 | 0.832 | 0.859 | 1.75897 |
| 524239.22 | 4260125.3 | 0.086 | 1.044 | 1.080 | 2.21014 |
| 524254.22 | 4260125.3 | 0.111 | 1.344 | 1.393 | 2.84858 |
| 524269.22 | 4260125.3 | 0.148 | 1.786 | 1.854 | 3.78788 |
| 524134.22 | 4260140.3 | 0.026 | 0.319 | 0.328 | 0.67345 |
| 524149.22 | 4260140.3 | 0.031 | 0.370 | 0.380 | 0.78013 |
| 524164.22 | 4260140.3 | 0.036 | 0.434 | 0.446 | 0.91592 |
| 524179.22 | 4260140.3 | 0.043 | 0.516 | 0.531 | 1.08889 |
| 524194.22 | 4260140.3 | 0.051 | 0.621 | 0.640 | 1.31263 |
| 524209.22 | 4260140.3 | 0.063 | 0.760 | 0.785 | 1.60820 |
| 524224.22 | 4260140.3 | 0.078 | 0.946 | 0.980 | 2.00451 |
| 524239.22 | 4260140.3 | 0.100 | 1.204 | 1.249 | 2.55321 |
| 524254.22 | 4260140.3 | 0.130 | 1.570 | 1.630 | 3.33027 |
| 524269.22 | 4260140.3 | 0.175 | 2.109 | 2.193 | 4.47683 |
| 524134.22 | 4260155.3 | 0.028 | 0.342 | 0.352 | 0.72207 |
| 524149.22 | 4260155.3 | 0.033 | 0.397 | 0.409 | 0.83890 |
| 524164.22 | 4260155.3 | 0.039 | 0.470 | 0.484 | 0.99326 |
| 524179.22 | 4260155.3 | 0.047 | 0.564 | 0.582 | 1.19325 |
| 524194.22 | 4260155.3 | 0.057 | 0.685 | 0.708 | 1.44921 |
| 524209.22 | 4260155.3 | 0.070 | 0.845 | 0.875 | 1.78906 |
| 524224.22 | 4260155.3 | 0.088 | 1.065 | 1.105 | 2.25790 |
| 524239.22 | 4260155.3 | 0.114 | 1.375 | 1.428 | 2.91634 |
| 524254.22 | 4260155.3 | 0.150 | 1.813 | 1.885 | 3.84714 |
| 524269.22 | 4260155.3 | 0.203 | 2.456 | 2.556 | 5.21470 |
| 524134.22 | 4260170.3 | 0.031 | 0.369 | 0.380 | 0.77946 |
| 524149.22 | 4260170.3 | 0.036 | 0.430 | 0.444 | 0.90972 |
| 524164.22 | 4260170.3 | 0.042 | 0.512 | 0.529 | 1.08260 |
| 524179.22 | 4260170.3 | 0.051 | 0.619 | 0.640 | 1.31012 |
| 524194.22 | 4260170.3 | 0.063 | 0.756 | 0.784 | 1.60237 |
| 524209.22 | 4260170.3 | 0.078 | 0.937 | 0.972 | 1.98715 |
| 524224.22 | 4260170.3 | 0.099 | 1.192 | 1.239 | 2.52979 |
| 524239.22 | 4260170.3 | 0.129 | 1.552 | 1.614 | 3.29514 |
| 524254.22 | 4260170.3 | 0.171 | 2.061 | 2.144 | 4.37568 |
| 524269.22 | 4260170.3 | 0.232 | 2.805 | 2.921 | 5.95814 |
| 524134.22 | 4260185.3 | 0.034 | 0.405 | 0.419 | 0.85815 |
| 524149.22 | 4260185.3 | 0.039 | 0.474 | 0.491 | 1.00472 |
| 524164.22 | 4260185.3 | 0.047 | 0.564 | 0.585 | 1.19587 |
| 524179.22 | 4260185.3 | 0.056 | 0.682 | 0.707 | 1.44605 |
| 524194.22 | 4260185.3 | 0.069 | 0.838 | 0.870 | 1.77778 |
| 524209.22 | 4260185.3 | 0.087 | 1.047 | 1.087 | 2.22072 |
| 524224.22 | 4260185.3 | 0.110 | 1.331 | 1.384 | 2.82566 |
| 524239.22 | 4260185.3 | 0.143 | 1.729 | 1.799 | 3.67213 |
| 524254.22 | 4260185.3 | 0.190 | 2.290 | 2.384 | 4.86386 |
| 524269.22 | 4260185.3 | 0.257 | 3.108 | 3.238 | 6.60263 |
| 524134.22 | 4260200.3 | 0.037 | 0.449 | 0.465 | 0.95113 |
| 524149.22 | 4260200.3 | 0.044 | 0.527 | 0.546 | 1.11660 |
| 524164.22 | 4260200.3 | 0.052 | 0.626 | 0.650 | 1.32782 |
| 524179.22 | 4260200.3 | 0.062 | 0.755 | 0.783 | 1.60028 |
| 524194.22 | 4260200.3 | 0.077 | 0.928 | 0.964 | 1.96954 |
| 524209.22 | 4260200.3 | 0.096 | 1.164 | 1.210 | 2.47039 |
| 524224.22 | 4260200.3 | 0.122 | 1.476 | 1.536 | 3.13364 |
| 524239.22 | 4260200.3 | 0.158 | 1.903 | 1.981 | 4.04168 |
| 524254.22 | 4260200.3 | 0.207 | 2.502 | 2.606 | 5.31500 |
| 524269.22 | 4260200.3 | 0.279 | 3.364 | 3.506 | 7.14907 |
| 524134.22 | 4260215.3 | 0.042 | 0.504 | 0.523 | 1.06900 |
| 524149.22 | 4260215.3 | 0.049 | 0.591 | 0.614 | 1.25410 |
| 524164.22 | 4260215.3 | 0.058 | 0.702 | 0.729 | 1.48892 |
| 524179.22 | 4260215.3 | 0.070 | 0.843 | 0.876 | 1.78857 |
| 524194.22 | 4260215.3 | 0.086 | 1.035 | 1.076 | 2.19649 |
| 524209.22 | 4260215.3 | 0.107 | 1.292 | 1.344 | 2.74368 |
| 524224.22 | 4260215.3 | 0.135 | 1.630 | 1.697 | 3.46246 |
| 524239.22 | 4260215.3 | 0.172 | 2.078 | 2.164 | 4.41406 |
| 524254.22 | 4260215.3 | 0.223 | 2.699 | 2.812 | 5.73380 |
| 524269.22 | 4260215.3 | 0.295 | 3.564 | 3.715 | 7.57497 |
| 524134.22 | 4260230.3 | 0.046 | 0.561 | 0.582 | 1.18961 |
| 524149.22 | 4260230.3 | 0.055 | 0.659 | 0.684 | 1.39766 |
| 524164.22 | 4260230.3 | 0.065 | 0.780 | 0.811 | 1.65600 |
| 524179.22 | 4260230.3 | 0.077 | 0.933 | 0.970 | 1.97940 |
| 524194.22 | 4260230.3 | 0.094 | 1.140 | 1.186 | 2.41974 |
| 524209.22 | 4260230.3 | 0.117 | 1.418 | 1.476 | 3.01213 |
| 524224.22 | 4260230.3 | 0.147 | 1.774 | 1.847 | 3.76830 |
| 524239.22 | 4260230.3 | 0.185 | 2.237 | 2.330 | 4.75197 |
| 524254.22 | 4260230.3 | 0.237 | 2.861 | 2.981 | 6.07893 |
| 524269.22 | 4260230.3 | 0.306 | 3.700 | 3.857 | 7.86367 |
| 524134.22 | 4260245.3 | 0.051 | 0.616 | 0.640 | 1.30693 |
| 524149.22 | 4260245.3 | 0.060 | 0.727 | 0.756 | 1.54333 |
| 524164.22 | 4260245.3 | 0.071 | 0.860 | 0.894 | 1.82558 |
| 524179.22 | 4260245.3 | 0.084 | 1.019 | 1.060 | 2.16408 |
| 524194.22 | 4260245.3 | 0.103 | 1.239 | 1.289 | 2.63055 |
| 524209.22 | 4260245.3 | 0.127 | 1.534 | 1.598 | 3.25880 |
| 524224.22 | 4260245.3 | 0.158 | 1.906 | 1.986 | 4.04944 |
| 524239.22 | 4260245.3 | 0.197 | 2.380 | 2.481 | 5.05799 |
| 524254.22 | 4260245.3 | 0.248 | 2.998 | 3.125 | 6.37033 |
| 524269.22 | 4260245.3 | 0.315 | 3.799 | 3.960 | 8.07371 |
| 524134.22 | 4260260.3 | 0.055 | 0.667 | 0.693 | 1.41509 |
| 524149.22 | 4260260.3 | 0.066 | 0.792 | 0.824 | 1.68083 |
| 524164.22 | 4260260.3 | 0.078 | 0.938 | 0.976 | 1.99105 |
| 524179.22 | 4260260.3 | 0.092 | 1.106 | 1.152 | 2.34959 |
| 524194.22 | 4260260.3 | 0.110 | 1.334 | 1.389 | 2.83336 |
| 524209.22 | 4260260.3 | 0.136 | 1.639 | 1.707 | 3.48132 |
| 524224.22 | 4260260.3 | 0.167 | 2.017 | 2.102 | 4.28573 |
| 524239.22 | 4260260.3 | 0.206 | 2.489 | 2.595 | 5.28998 |
| 524254.22 | 4260260.3 | 0.256 | 3.087 | 3.218 | 6.55990 |
| 524269.22 | 4260260.3 | 0.318 | 3.836 | 4.000 | 8.15340 |
| 524134.22 | 4260275.3 | 0.058 | 0.698 | 0.726 | 1.48184 |
| 524149.22 | 4260275.3 | 0.070 | 0.850 | 0.884 | 1.80442 |
| 524164.22 | 4260275.3 | 0.084 | 1.012 | 1.053 | 2.14891 |
| 524179.22 | 4260275.3 | 0.099 | 1.198 | 1.247 | 2.54367 |
| 524194.22 | 4260275.3 | 0.119 | 1.433 | 1.493 | 3.04433 |
| 524209.22 | 4260275.3 | 0.144 | 1.735 | 1.807 | 3.68544 |
| 524224.22 | 4260275.3 | 0.174 | 2.106 | 2.195 | 4.47626 |
| 524239.22 | 4260275.3 | 0.212 | 2.565 | 2.673 | 5.45027 |
| 524254.22 | 4260275.3 | 0.260 | 3.137 | 3.271 | 6.66727 |
| 524269.22 | 4260275.3 | 0.318 | 3.840 | 4.004 | 8.16146 |
| 524134.22 | 4260290.3 | 0.060 | 0.726 | 0.756 | 1.54238 |
| 524149.22 | 4260290.3 | 0.073 | 0.886 | 0.922 | 1.88195 |
| 524164.22 | 4260290.3 | 0.089 | 1.073 | 1.118 | 2.27996 |
| 524179.22 | 4260290.3 | 0.106 | 1.275 | 1.328 | 2.70907 |
| 524194.22 | 4260290.3 | 0.126 | 1.517 | 1.581 | 3.22340 |
| 524209.22 | 4260290.3 | 0.150 | 1.813 | 1.889 | 3.85168 |
| 524224.22 | 4260290.3 | 0.180 | 2.174 | 2.266 | 4.62084 |
| 524239.22 | 4260290.3 | 0.216 | 2.610 | 2.721 | 5.54633 |
| 524254.22 | 4260290.3 | 0.261 | 3.149 | 3.283 | 6.69347 |
| 524269.22 | 4260290.3 | 0.314 | 3.795 | 3.957 | 8.06608 |
| 524134.22 | 4260305.3 | 0.063 | 0.763 | 0.795 | 1.62143 |
| 524149.22 | 4260305.3 | 0.076 | 0.919 | 0.957 | 1.95164 |
| 524164.22 | 4260305.3 | 0.093 | 1.123 | 1.170 | 2.38612 |
| 524179.22 | 4260305.3 | 0.111 | 1.335 | 1.391 | 2.83611 |
| 524194.22 | 4260305.3 | 0.131 | 1.584 | 1.650 | 3.36516 |
| 524209.22 | 4260305.3 | 0.155 | 1.876 | 1.955 | 3.98576 |
| 524224.22 | 4260305.3 | 0.184 | 2.225 | 2.320 | 4.72960 |
| 524239.22 | 4260305.3 | 0.218 | 2.639 | 2.751 | 5.60821 |
| 524254.22 | 4260305.3 | 0.259 | 3.133 | 3.267 | 6.66008 |
| 524269.22 | 4260305.3 | 0.307 | 3.711 | 3.870 | 7.88875 |
| 524134.22 | 4260320.3 | 0.066 | 0.798 | 0.831 | 1.69411 |
| 524149.22 | 4260320.3 | 0.079 | 0.951 | 0.990 | 2.01995 |
| 524164.22 | 4260320.3 | 0.095 | 1.147 | 1.195 | 2.43770 |
| 524179.22 | 4260320.3 | 0.114 | 1.376 | 1.434 | 2.92464 |
| 524194.22 | 4260320.3 | 0.135 | 1.626 | 1.694 | 3.45440 |
| 524209.22 | 4260320.3 | 0.158 | 1.912 | 1.993 | 4.06251 |
| 524224.22 | 4260320.3 | 0.186 | 2.245 | 2.341 | 4.77160 |
| 524239.22 | 4260320.3 | 0.218 | 2.632 | 2.744 | 5.59443 |
| 524254.22 | 4260320.3 | 0.255 | 3.083 | 3.215 | 6.55413 |
| 524269.22 | 4260320.3 | 0.298 | 3.596 | 3.750 | 7.64380 |
| 524134.22 | 4260335.3 | 0.069 | 0.832 | 0.867 | 1.76842 |
| 524149.22 | 4260335.3 | 0.082 | 0.988 | 1.029 | 2.09801 |
| 524164.22 | 4260335.3 | 0.098 | 1.182 | 1.232 | 2.51176 |
| 524179.22 | 4260335.3 | 0.116 | 1.407 | 1.466 | 2.98882 |
| 524194.22 | 4260335.3 | 0.136 | 1.648 | 1.717 | 3.50116 |
| 524209.22 | 4260335.3 | 0.159 | 1.920 | 2.001 | 4.07951 |
| 524224.22 | 4260335.3 | 0.185 | 2.234 | 2.329 | 4.74702 |
| 524239.22 | 4260335.3 | 0.215 | 2.592 | 2.703 | 5.51008 |
| 524254.22 | 4260335.3 | 0.249 | 3.004 | 3.132 | 6.38526 |
| 524269.22 | 4260335.3 | 0.287 | 3.467 | 3.616 | 7.37028 |
| 524134.22 | 4260350.3 | 0.072 | 0.864 | 0.900 | 1.83637 |
| 524149.22 | 4260350.3 | 0.084 | 1.020 | 1.063 | 2.16754 |
| 524164.22 | 4260350.3 | 0.100 | 1.213 | 1.264 | 2.57694 |
| 524179.22 | 4260350.3 | 0.118 | 1.426 | 1.486 | 3.02977 |
| 524194.22 | 4260350.3 | 0.137 | 1.656 | 1.726 | 3.51908 |
| 524209.22 | 4260350.3 | 0.158 | 1.913 | 1.994 | 4.06541 |
| 524224.22 | 4260350.3 | 0.183 | 2.206 | 2.300 | 4.68785 |
| 524239.22 | 4260350.3 | 0.210 | 2.537 | 2.645 | 5.39151 |
| 524254.22 | 4260350.3 | 0.241 | 2.909 | 3.033 | 6.18285 |
| 524269.22 | 4260350.3 | 0.275 | 3.320 | 3.463 | 7.05776 |
| 524204.65 | 4260012.52 | 0.028 | 0.337 | 0.340 | 0.70521 |
| 524203.43 | 4260005.01 | 0.027 | 0.326 | 0.329 | 0.68203 |
| 524204.65 | 4259997.73 | 0.027 | 0.323 | 0.327 | 0.67689 |
| 524204.4 | 4259988.28 | 0.026 | 0.316 | 0.320 | 0.66252 |
| 524189.13 | 4260004.28 | 0.024 | 0.289 | 0.288 | 0.60144 |
| 524189.37 | 4259993.85 | 0.023 | 0.282 | 0.281 | 0.58659 |
| 524190.83 | 4259982.7 | 0.023 | 0.280 | 0.280 | 0.58279 |
| 524246.78 | 4259946.49 | 0.040 | 0.479 | 0.494 | 1.01304 |
| 524255.34 | 4259929.66 | 0.042 | 0.513 | 0.530 | 1.08582 |
| 524250.49 | 4259937.65 | 0.041 | 0.493 | 0.509 | 1.04298 |
| 524232.52 | 4259935.94 | 0.034 | 0.406 | 0.417 | 0.85684 |
| 524220.54 | 4259937.94 | 0.030 | 0.360 | 0.368 | 0.75706 |
| 524212.55 | 4259949.92 | 0.028 | 0.334 | 0.341 | 0.70249 |
| 524206.28 | 4259957.62 | 0.026 | 0.316 | 0.321 | 0.66279 |
| 524199.43 | 4259957.05 | 0.025 | 0.296 | 0.299 | 0.62050 |
| 524188.31 | 4259954.48 | 0.022 | 0.270 | 0.270 | 0.56220 |
| 524196.86 | 4259946.49 | 0.024 | 0.289 | 0.291 | 0.60465 |
| 524203.71 | 4259947.63 | 0.025 | 0.307 | 0.311 | 0.64408 |
| 524199.43 | 4259934.8 | 0.024 | 0.295 | 0.298 | 0.61764 |
| 524206.56 | 4259925.1 | 0.026 | 0.314 | 0.318 | 0.65769 |
| 524213.12 | 4259917.68 | 0.027 | 0.332 | 0.338 | 0.69679 |
| 524241.93 | 4259920.25 | 0.036 | 0.440 | 0.453 | 0.92998 |
| 524215.97 | 4259907.7 | 0.028 | 0.339 | 0.346 | 0.71245 |
| 524221.11 | 4259892.3 | 0.029 | 0.350 | 0.358 | 0.73718 |
| 524238.79 | 4259898.86 | 0.034 | 0.413 | 0.425 | 0.87173 |
| 524238.79 | 4259907.98 | 0.035 | 0.419 | 0.431 | 0.88430 |
| 524237.37 | 4259884.59 | 0.033 | 0.398 | 0.409 | 0.84049 |
| 524214.83 | 4259881.17 | 0.027 | 0.330 | 0.336 | 0.69347 |
| 524203.14 | 4259873.47 | 0.025 | 0.301 | 0.304 | 0.63071 |
| 524198.29 | 4259867.19 | 0.024 | 0.291 | 0.292 | 0.60770 |
| 524232.8 | 4259867.19 | 0.031 | 0.373 | 0.382 | 0.78561 |
| 524233.09 | 4259857.5 | 0.030 | 0.367 | 0.376 | 0.77422 |
| 524235.66 | 4259852.36 | 0.031 | 0.371 | 0.380 | 0.78229 |
| 524239.65 | 4259845.51 | 0.031 | 0.377 | 0.386 | 0.79427 |
| 524243.93 | 4259834.68 | 0.031 | 0.379 | 0.389 | 0.79910 |
| 524250.49 | 4259823.84 | 0.032 | 0.384 | 0.395 | 0.81098 |
| 524243.64 | 4259822.12 | 0.030 | 0.367 | 0.376 | 0.77251 |
| 524232.8 | 4259816.13 | 0.028 | 0.337 | 0.343 | 0.70829 |
| 524225.1 | 4259826.4 | 0.027 | 0.329 | 0.334 | 0.69008 |
| 524218.26 | 4259836.67 | 0.027 | 0.321 | 0.326 | 0.67425 |
| 524210.55 | 4259846.94 | 0.026 | 0.309 | 0.313 | 0.64836 |
| 524202 | 4259857.5 | 0.025 | 0.296 | 0.298 | 0.61816 |
| 524265.77 | 4259728.17 | 0.025 | 0.302 | 0.304 | 0.63036 |
| 524273.47 | 4259713.63 | 0.025 | 0.298 | 0.299 | 0.62186 |
| 524276.89 | 4259698.51 | 0.024 | 0.290 | 0.291 | 0.60463 |
| 524260.92 | 4259693.94 | 0.023 | 0.278 | 0.272 | 0.57259 |
| 524251.79 | 4259711.06 | 0.023 | 0.283 | 0.276 | 0.58180 |
| 524250.65 | 4259723.04 | 0.024 | 0.287 | 0.282 | 0.59278 |
| 524265.2 | 4259620.63 | 0.021 | 0.248 | 0.234 | 0.50241 |
| 524284.88 | 4259588.39 | 0.020 | 0.238 | 0.227 | 0.48417 |
| 524305.71 | 4259554.73 | 0.020 | 0.236 | 0.224 | 0.47979 |
| 524315.12 | 4259565 | 0.020 | 0.237 | 0.232 | 0.48913 |
| 524303.99 | 4259604.08 | 0.021 | 0.248 | 0.247 | 0.51602 |
| 524638.04 | 4260127.68 | 0.231 | 2.785 | 2.905 | 5.92079 |
| 524645.94 | 4260114.25 | 0.200 | 2.414 | 2.518 | 5.13119 |
| 524647.12 | 4260105.17 | 0.192 | 2.316 | 2.416 | 4.92284 |
| 524662.52 | 4260077.53 | 0.144 | 1.743 | 1.818 | 3.70480 |
| 524692.14 | 4260053.84 | 0.099 | 1.197 | 1.249 | 2.54490 |
| 524752.55 | 4260050.68 | 0.066 | 0.792 | 0.826 | 1.68429 |
| 524338.94 | 4260404.55 | 0.310 | 3.744 | 3.905 | 7.95938 |
| 524441.43 | 4260403.88 | 0.338 | 4.087 | 4.263 | 8.68842 |
| 524538.99 | 4260369.97 | 0.216 | 2.605 | 2.717 | 5.53777 |
| 524566.4 | 4260356.96 | 0.194 | 2.337 | 2.438 | 4.96902 |
| 524530.17 | 4260389.94 | 0.206 | 2.493 | 2.601 | 5.29987 |
| 524498.28 | 4260239.21 | 1.150 | 13.893 | 14.494 | 29.53733 |
| 524477.41 | 4260262.98 | 1.121 | 13.534 | 14.119 | 28.77371 |
| 524494.8 | 4260256.02 | 1.014 | 12.250 | 12.780 | 26.04395 |
| 524515.67 | 4260222.4 | 1.061 | 12.812 | 13.366 | 27.23873 |
| 524519.73 | 4260238.63 | 0.868 | 10.485 | 10.939 | 22.29164 |
| 524519.15 | 4260249.06 | 0.794 | 9.594 | 10.009 | 20.39677 |
| 524529 | 4260210.8 | 0.978 | 11.817 | 12.329 | 25.12440 |
| 524535.38 | 4260221.82 | 0.831 | 10.036 | 10.471 | 21.33834 |
| 524534.22 | 4260237.47 | 0.736 | 8.884 | 9.269 | 18.88851 |
| 524546.97 | 4260196.89 | 0.825 | 9.969 | 10.401 | 21.19512 |
| 524546.97 | 4260211.38 | 0.761 | 9.192 | 9.590 | 19.54351 |
| 524549.87 | 4260224.14 | 0.675 | 8.157 | 8.510 | 17.34250 |
| 524560.3 | 4260187.04 | 0.720 | 8.692 | 9.068 | 18.47983 |
| 524569 | 4260203.85 | 0.587 | 7.088 | 7.394 | 15.06904 |
| 524580.01 | 4260180.66 | 0.563 | 6.795 | 7.089 | 14.44649 |
| 524580.01 | 4260198.05 | 0.527 | 6.363 | 6.638 | 13.52804 |
| 524588.13 | 4260163.27 | 0.520 | 6.276 | 6.548 | 13.34346 |
| 524598.57 | 4260182.98 | 0.435 | 5.258 | 5.485 | 11.17759 |
| 524596.25 | 4260169.64 | 0.457 | 5.515 | 5.753 | 11.72427 |

## Oakmont Emerald Isle

**Tier III**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child**
**UTM: (565046,4185977)**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 1 | 1 | 3 | 572 | 0.73 | 1 | 18.9 |
| 2 | 1 | 3 | 572 | 0.73 | 1 | 18.9 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** **Tier III** **at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM**

| X (m) | Y (m) | Child Cancer Risk (year 1) 2017 (/million) | Child Cancer Risk (year 2) 2017 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.033 | 0.032 | 0.06524 |
| 524149.22 | 4260065.3 | 0.038 | 0.037 | 0.07508 |
| 524164.22 | 4260065.3 | 0.043 | 0.042 | 0.08460 |
| 524179.22 | 4260065.3 | 0.048 | 0.047 | 0.09540 |
| 524194.22 | 4260065.3 | 0.055 | 0.054 | 0.10889 |
| 524209.22 | 4260065.3 | 0.063 | 0.063 | 0.12591 |
| 524224.22 | 4260065.3 | 0.074 | 0.074 | 0.14787 |
| 524239.22 | 4260065.3 | 0.088 | 0.089 | 0.17705 |
| 524254.22 | 4260065.3 | 0.108 | 0.109 | 0.21669 |
| 524269.22 | 4260065.3 | 0.135 | 0.137 | 0.27198 |
| 524134.22 | 4260080.3 | 0.034 | 0.034 | 0.06855 |
| 524149.22 | 4260080.3 | 0.039 | 0.039 | 0.07811 |
| 524164.22 | 4260080.3 | 0.045 | 0.044 | 0.08868 |
| 524179.22 | 4260080.3 | 0.050 | 0.050 | 0.10091 |
| 524194.22 | 4260080.3 | 0.058 | 0.058 | 0.11602 |
| 524209.22 | 4260080.3 | 0.067 | 0.068 | 0.13521 |
| 524224.22 | 4260080.3 | 0.079 | 0.081 | 0.16012 |
| 524239.22 | 4260080.3 | 0.096 | 0.098 | 0.19346 |
| 524254.22 | 4260080.3 | 0.118 | 0.121 | 0.23935 |
| 524269.22 | 4260080.3 | 0.150 | 0.154 | 0.30490 |
| 524134.22 | 4260095.3 | 0.036 | 0.036 | 0.07253 |
| 524149.22 | 4260095.3 | 0.041 | 0.041 | 0.08272 |
| 524164.22 | 4260095.3 | 0.047 | 0.047 | 0.09447 |
| 524179.22 | 4260095.3 | 0.054 | 0.055 | 0.10858 |
| 524194.22 | 4260095.3 | 0.063 | 0.064 | 0.12614 |
| 524209.22 | 4260095.3 | 0.074 | 0.075 | 0.14852 |
| 524224.22 | 4260095.3 | 0.088 | 0.090 | 0.17786 |
| 524239.22 | 4260095.3 | 0.107 | 0.110 | 0.21739 |
| 524254.22 | 4260095.3 | 0.134 | 0.138 | 0.27234 |
| 524269.22 | 4260095.3 | 0.173 | 0.179 | 0.35240 |
| 524134.22 | 4260110.3 | 0.038 | 0.039 | 0.07691 |
| 524149.22 | 4260110.3 | 0.044 | 0.044 | 0.08798 |
| 524164.22 | 4260110.3 | 0.050 | 0.051 | 0.10152 |
| 524179.22 | 4260110.3 | 0.058 | 0.060 | 0.11803 |
| 524194.22 | 4260110.3 | 0.069 | 0.070 | 0.13882 |
| 524209.22 | 4260110.3 | 0.082 | 0.084 | 0.16555 |
| 524224.22 | 4260110.3 | 0.099 | 0.102 | 0.20085 |
| 524239.22 | 4260110.3 | 0.122 | 0.126 | 0.24883 |
| 524254.22 | 4260110.3 | 0.155 | 0.161 | 0.31626 |
| 524269.22 | 4260110.3 | 0.204 | 0.211 | 0.41485 |
| 524134.22 | 4260125.3 | 0.041 | 0.041 | 0.08192 |
| 524149.22 | 4260125.3 | 0.047 | 0.048 | 0.09430 |
| 524164.22 | 4260125.3 | 0.054 | 0.055 | 0.10967 |
| 524179.22 | 4260125.3 | 0.064 | 0.065 | 0.12898 |
| 524194.22 | 4260125.3 | 0.076 | 0.078 | 0.15364 |
| 524209.22 | 4260125.3 | 0.092 | 0.094 | 0.18584 |
| 524224.22 | 4260125.3 | 0.112 | 0.116 | 0.22851 |
| 524239.22 | 4260125.3 | 0.141 | 0.146 | 0.28714 |
| 524254.22 | 4260125.3 | 0.182 | 0.188 | 0.37010 |
| 524269.22 | 4260125.3 | 0.241 | 0.251 | 0.49215 |
| 524134.22 | 4260140.3 | 0.043 | 0.044 | 0.08748 |
| 524149.22 | 4260140.3 | 0.050 | 0.051 | 0.10134 |
| 524164.22 | 4260140.3 | 0.059 | 0.060 | 0.11898 |
| 524179.22 | 4260140.3 | 0.070 | 0.072 | 0.14145 |
| 524194.22 | 4260140.3 | 0.084 | 0.087 | 0.17052 |
| 524209.22 | 4260140.3 | 0.103 | 0.106 | 0.20893 |
| 524224.22 | 4260140.3 | 0.128 | 0.132 | 0.26043 |
| 524239.22 | 4260140.3 | 0.163 | 0.169 | 0.33172 |
| 524254.22 | 4260140.3 | 0.212 | 0.220 | 0.43270 |
| 524269.22 | 4260140.3 | 0.285 | 0.297 | 0.58168 |
| 524134.22 | 4260155.3 | 0.046 | 0.048 | 0.09380 |
| 524149.22 | 4260155.3 | 0.054 | 0.055 | 0.10898 |
| 524164.22 | 4260155.3 | 0.064 | 0.065 | 0.12903 |
| 524179.22 | 4260155.3 | 0.076 | 0.079 | 0.15502 |
| 524194.22 | 4260155.3 | 0.093 | 0.096 | 0.18828 |
| 524209.22 | 4260155.3 | 0.114 | 0.118 | 0.23244 |
| 524224.22 | 4260155.3 | 0.144 | 0.149 | 0.29336 |
| 524239.22 | 4260155.3 | 0.186 | 0.193 | 0.37892 |
| 524254.22 | 4260155.3 | 0.245 | 0.255 | 0.49986 |
| 524269.22 | 4260155.3 | 0.332 | 0.346 | 0.67757 |
| 524134.22 | 4260170.3 | 0.050 | 0.051 | 0.10126 |
| 524149.22 | 4260170.3 | 0.058 | 0.060 | 0.11819 |
| 524164.22 | 4260170.3 | 0.069 | 0.071 | 0.14065 |
| 524179.22 | 4260170.3 | 0.084 | 0.087 | 0.17021 |
| 524194.22 | 4260170.3 | 0.102 | 0.106 | 0.20818 |
| 524209.22 | 4260170.3 | 0.127 | 0.131 | 0.25818 |
| 524224.22 | 4260170.3 | 0.161 | 0.167 | 0.32869 |
| 524239.22 | 4260170.3 | 0.210 | 0.218 | 0.42814 |
| 524254.22 | 4260170.3 | 0.279 | 0.290 | 0.56855 |
| 524269.22 | 4260170.3 | 0.379 | 0.395 | 0.77417 |
| 524134.22 | 4260185.3 | 0.055 | 0.057 | 0.11149 |
| 524149.22 | 4260185.3 | 0.064 | 0.066 | 0.13053 |
| 524164.22 | 4260185.3 | 0.076 | 0.079 | 0.15537 |
| 524179.22 | 4260185.3 | 0.092 | 0.096 | 0.18788 |
| 524194.22 | 4260185.3 | 0.113 | 0.118 | 0.23098 |
| 524209.22 | 4260185.3 | 0.142 | 0.147 | 0.28854 |
| 524224.22 | 4260185.3 | 0.180 | 0.187 | 0.36714 |
| 524239.22 | 4260185.3 | 0.234 | 0.243 | 0.47713 |
| 524254.22 | 4260185.3 | 0.310 | 0.322 | 0.63199 |
| 524269.22 | 4260185.3 | 0.420 | 0.438 | 0.85792 |
| 524134.22 | 4260200.3 | 0.061 | 0.063 | 0.12357 |
| 524149.22 | 4260200.3 | 0.071 | 0.074 | 0.14507 |
| 524164.22 | 4260200.3 | 0.085 | 0.088 | 0.17252 |
| 524179.22 | 4260200.3 | 0.102 | 0.106 | 0.20792 |
| 524194.22 | 4260200.3 | 0.126 | 0.130 | 0.25590 |
| 524209.22 | 4260200.3 | 0.157 | 0.164 | 0.32098 |
| 524224.22 | 4260200.3 | 0.200 | 0.208 | 0.40716 |
| 524239.22 | 4260200.3 | 0.257 | 0.268 | 0.52515 |
| 524254.22 | 4260200.3 | 0.338 | 0.352 | 0.69061 |
| 524269.22 | 4260200.3 | 0.455 | 0.474 | 0.92893 |
| 524134.22 | 4260215.3 | 0.068 | 0.071 | 0.13889 |
| 524149.22 | 4260215.3 | 0.080 | 0.083 | 0.16294 |
| 524164.22 | 4260215.3 | 0.095 | 0.099 | 0.19345 |
| 524179.22 | 4260215.3 | 0.114 | 0.118 | 0.23239 |
| 524194.22 | 4260215.3 | 0.140 | 0.145 | 0.28539 |
| 524209.22 | 4260215.3 | 0.175 | 0.182 | 0.35650 |
| 524224.22 | 4260215.3 | 0.220 | 0.229 | 0.44989 |
| 524239.22 | 4260215.3 | 0.281 | 0.293 | 0.57354 |
| 524254.22 | 4260215.3 | 0.365 | 0.380 | 0.74503 |
| 524269.22 | 4260215.3 | 0.482 | 0.502 | 0.98428 |
| 524134.22 | 4260230.3 | 0.076 | 0.079 | 0.15456 |
| 524149.22 | 4260230.3 | 0.089 | 0.093 | 0.18160 |
| 524164.22 | 4260230.3 | 0.106 | 0.110 | 0.21516 |
| 524179.22 | 4260230.3 | 0.126 | 0.131 | 0.25719 |
| 524194.22 | 4260230.3 | 0.154 | 0.160 | 0.31440 |
| 524209.22 | 4260230.3 | 0.192 | 0.200 | 0.39138 |
| 524224.22 | 4260230.3 | 0.240 | 0.250 | 0.48964 |
| 524239.22 | 4260230.3 | 0.302 | 0.315 | 0.61746 |
| 524254.22 | 4260230.3 | 0.387 | 0.403 | 0.78988 |
| 524269.22 | 4260230.3 | 0.500 | 0.522 | 1.02179 |
| 524134.22 | 4260245.3 | 0.083 | 0.087 | 0.16981 |
| 524149.22 | 4260245.3 | 0.098 | 0.102 | 0.20053 |
| 524164.22 | 4260245.3 | 0.116 | 0.121 | 0.23720 |
| 524179.22 | 4260245.3 | 0.138 | 0.143 | 0.28119 |
| 524194.22 | 4260245.3 | 0.167 | 0.174 | 0.34180 |
| 524209.22 | 4260245.3 | 0.207 | 0.216 | 0.42343 |
| 524224.22 | 4260245.3 | 0.258 | 0.268 | 0.52617 |
| 524239.22 | 4260245.3 | 0.322 | 0.335 | 0.65722 |
| 524254.22 | 4260245.3 | 0.405 | 0.422 | 0.82775 |
| 524269.22 | 4260245.3 | 0.514 | 0.535 | 1.04909 |
| 524134.22 | 4260260.3 | 0.090 | 0.094 | 0.18387 |
| 524149.22 | 4260260.3 | 0.107 | 0.111 | 0.21839 |
| 524164.22 | 4260260.3 | 0.127 | 0.132 | 0.25870 |
| 524179.22 | 4260260.3 | 0.150 | 0.156 | 0.30529 |
| 524194.22 | 4260260.3 | 0.180 | 0.188 | 0.36815 |
| 524209.22 | 4260260.3 | 0.222 | 0.231 | 0.45235 |
| 524224.22 | 4260260.3 | 0.273 | 0.284 | 0.55687 |
| 524239.22 | 4260260.3 | 0.337 | 0.351 | 0.68737 |
| 524254.22 | 4260260.3 | 0.417 | 0.435 | 0.85238 |
| 524269.22 | 4260260.3 | 0.519 | 0.541 | 1.05944 |
| 524134.22 | 4260275.3 | 0.094 | 0.098 | 0.19254 |
| 524149.22 | 4260275.3 | 0.115 | 0.120 | 0.23446 |
| 524164.22 | 4260275.3 | 0.137 | 0.142 | 0.27922 |
| 524179.22 | 4260275.3 | 0.162 | 0.169 | 0.33051 |
| 524194.22 | 4260275.3 | 0.194 | 0.202 | 0.39557 |
| 524209.22 | 4260275.3 | 0.235 | 0.244 | 0.47887 |
| 524224.22 | 4260275.3 | 0.285 | 0.297 | 0.58163 |
| 524239.22 | 4260275.3 | 0.347 | 0.361 | 0.70820 |
| 524254.22 | 4260275.3 | 0.424 | 0.442 | 0.86633 |
| 524269.22 | 4260275.3 | 0.519 | 0.541 | 1.06049 |
| 524134.22 | 4260290.3 | 0.098 | 0.102 | 0.20041 |
| 524149.22 | 4260290.3 | 0.120 | 0.125 | 0.24453 |
| 524164.22 | 4260290.3 | 0.145 | 0.151 | 0.29625 |
| 524179.22 | 4260290.3 | 0.172 | 0.180 | 0.35201 |
| 524194.22 | 4260290.3 | 0.205 | 0.214 | 0.41884 |
| 524209.22 | 4260290.3 | 0.245 | 0.255 | 0.50048 |
| 524224.22 | 4260290.3 | 0.294 | 0.306 | 0.60042 |
| 524239.22 | 4260290.3 | 0.353 | 0.368 | 0.72068 |
| 524254.22 | 4260290.3 | 0.426 | 0.444 | 0.86974 |
| 524269.22 | 4260290.3 | 0.513 | 0.535 | 1.04810 |
| 524134.22 | 4260305.3 | 0.103 | 0.107 | 0.21068 |
| 524149.22 | 4260305.3 | 0.124 | 0.129 | 0.25359 |
| 524164.22 | 4260305.3 | 0.152 | 0.158 | 0.31004 |
| 524179.22 | 4260305.3 | 0.180 | 0.188 | 0.36851 |
| 524194.22 | 4260305.3 | 0.214 | 0.223 | 0.43726 |
| 524209.22 | 4260305.3 | 0.254 | 0.264 | 0.51790 |
| 524224.22 | 4260305.3 | 0.301 | 0.314 | 0.61456 |
| 524239.22 | 4260305.3 | 0.357 | 0.372 | 0.72872 |
| 524254.22 | 4260305.3 | 0.424 | 0.442 | 0.86540 |
| 524269.22 | 4260305.3 | 0.502 | 0.523 | 1.02506 |
| 524134.22 | 4260320.3 | 0.108 | 0.112 | 0.22012 |
| 524149.22 | 4260320.3 | 0.129 | 0.134 | 0.26246 |
| 524164.22 | 4260320.3 | 0.155 | 0.162 | 0.31675 |
| 524179.22 | 4260320.3 | 0.186 | 0.194 | 0.38002 |
| 524194.22 | 4260320.3 | 0.220 | 0.229 | 0.44886 |
| 524209.22 | 4260320.3 | 0.258 | 0.269 | 0.52787 |
| 524224.22 | 4260320.3 | 0.304 | 0.316 | 0.62001 |
| 524239.22 | 4260320.3 | 0.356 | 0.371 | 0.72693 |
| 524254.22 | 4260320.3 | 0.417 | 0.435 | 0.85164 |
| 524269.22 | 4260320.3 | 0.486 | 0.507 | 0.99323 |
| 524134.22 | 4260335.3 | 0.113 | 0.117 | 0.22978 |
| 524149.22 | 4260335.3 | 0.134 | 0.139 | 0.27261 |
| 524164.22 | 4260335.3 | 0.160 | 0.167 | 0.32637 |
| 524179.22 | 4260335.3 | 0.190 | 0.198 | 0.38836 |
| 524194.22 | 4260335.3 | 0.223 | 0.232 | 0.45493 |
| 524209.22 | 4260335.3 | 0.260 | 0.271 | 0.53008 |
| 524224.22 | 4260335.3 | 0.302 | 0.315 | 0.61682 |
| 524239.22 | 4260335.3 | 0.351 | 0.365 | 0.71597 |
| 524254.22 | 4260335.3 | 0.406 | 0.424 | 0.82969 |
| 524269.22 | 4260335.3 | 0.469 | 0.489 | 0.95769 |
| 524134.22 | 4260350.3 | 0.117 | 0.122 | 0.23861 |
| 524149.22 | 4260350.3 | 0.138 | 0.144 | 0.28164 |
| 524164.22 | 4260350.3 | 0.164 | 0.171 | 0.33484 |
| 524179.22 | 4260350.3 | 0.193 | 0.201 | 0.39368 |
| 524194.22 | 4260350.3 | 0.224 | 0.233 | 0.45726 |
| 524209.22 | 4260350.3 | 0.259 | 0.270 | 0.52825 |
| 524224.22 | 4260350.3 | 0.298 | 0.311 | 0.60913 |
| 524239.22 | 4260350.3 | 0.343 | 0.358 | 0.70057 |
| 524254.22 | 4260350.3 | 0.393 | 0.410 | 0.80339 |
| 524269.22 | 4260350.3 | 0.449 | 0.468 | 0.91708 |
| 524204.65 | 4260012.52 | 0.046 | 0.046 | 0.09157 |
| 524203.43 | 4260005.01 | 0.044 | 0.044 | 0.08856 |
| 524204.65 | 4259997.73 | 0.044 | 0.044 | 0.08790 |
| 524204.4 | 4259988.28 | 0.043 | 0.043 | 0.08603 |
| 524189.13 | 4260004.28 | 0.039 | 0.039 | 0.07808 |
| 524189.37 | 4259993.85 | 0.038 | 0.038 | 0.07616 |
| 524190.83 | 4259982.7 | 0.038 | 0.038 | 0.07566 |
| 524246.78 | 4259946.49 | 0.065 | 0.067 | 0.13160 |
| 524255.34 | 4259929.66 | 0.069 | 0.072 | 0.14106 |
| 524250.49 | 4259937.65 | 0.067 | 0.069 | 0.13550 |
| 524232.52 | 4259935.94 | 0.055 | 0.056 | 0.11130 |
| 524220.54 | 4259937.94 | 0.049 | 0.050 | 0.09833 |
| 524212.55 | 4259949.92 | 0.045 | 0.046 | 0.09124 |
| 524206.28 | 4259957.62 | 0.043 | 0.043 | 0.08608 |
| 524199.43 | 4259957.05 | 0.040 | 0.040 | 0.08058 |
| 524188.31 | 4259954.48 | 0.037 | 0.036 | 0.07299 |
| 524196.86 | 4259946.49 | 0.039 | 0.039 | 0.07851 |
| 524203.71 | 4259947.63 | 0.042 | 0.042 | 0.08364 |
| 524199.43 | 4259934.8 | 0.040 | 0.040 | 0.08020 |
| 524206.56 | 4259925.1 | 0.042 | 0.043 | 0.08541 |
| 524213.12 | 4259917.68 | 0.045 | 0.046 | 0.09050 |
| 524241.93 | 4259920.25 | 0.060 | 0.061 | 0.12081 |
| 524215.97 | 4259907.7 | 0.046 | 0.047 | 0.09253 |
| 524221.11 | 4259892.3 | 0.047 | 0.048 | 0.09575 |
| 524238.79 | 4259898.86 | 0.056 | 0.057 | 0.11324 |
| 524238.79 | 4259907.98 | 0.057 | 0.058 | 0.11487 |
| 524237.37 | 4259884.59 | 0.054 | 0.055 | 0.10918 |
| 524214.83 | 4259881.17 | 0.045 | 0.045 | 0.09007 |
| 524203.14 | 4259873.47 | 0.041 | 0.041 | 0.08190 |
| 524198.29 | 4259867.19 | 0.039 | 0.040 | 0.07891 |
| 524232.8 | 4259867.19 | 0.050 | 0.052 | 0.10205 |
| 524233.09 | 4259857.5 | 0.050 | 0.051 | 0.10057 |
| 524235.66 | 4259852.36 | 0.050 | 0.051 | 0.10161 |
| 524239.65 | 4259845.51 | 0.051 | 0.052 | 0.10317 |
| 524243.93 | 4259834.68 | 0.051 | 0.053 | 0.10380 |
| 524250.49 | 4259823.84 | 0.052 | 0.053 | 0.10534 |
| 524243.64 | 4259822.12 | 0.050 | 0.051 | 0.10034 |
| 524232.8 | 4259816.13 | 0.046 | 0.046 | 0.09199 |
| 524225.1 | 4259826.4 | 0.044 | 0.045 | 0.08962 |
| 524218.26 | 4259836.67 | 0.043 | 0.044 | 0.08757 |
| 524210.55 | 4259846.94 | 0.042 | 0.042 | 0.08420 |
| 524202 | 4259857.5 | 0.040 | 0.040 | 0.08027 |
| 524265.77 | 4259728.17 | 0.041 | 0.041 | 0.08185 |
| 524273.47 | 4259713.63 | 0.040 | 0.040 | 0.08075 |
| 524276.89 | 4259698.51 | 0.039 | 0.039 | 0.07851 |
| 524260.92 | 4259693.94 | 0.038 | 0.037 | 0.07431 |
| 524251.79 | 4259711.06 | 0.038 | 0.037 | 0.07550 |
| 524250.65 | 4259723.04 | 0.039 | 0.038 | 0.07694 |
| 524265.2 | 4259620.63 | 0.034 | 0.032 | 0.06515 |
| 524284.88 | 4259588.39 | 0.032 | 0.031 | 0.06280 |
| 524305.71 | 4259554.73 | 0.032 | 0.030 | 0.06222 |
| 524315.12 | 4259565 | 0.032 | 0.031 | 0.06348 |
| 524303.99 | 4259604.08 | 0.034 | 0.033 | 0.06699 |
| 524638.04 | 4260127.68 | 0.377 | 0.393 | 0.76935 |
| 524645.94 | 4260114.25 | 0.326 | 0.340 | 0.66675 |
| 524647.12 | 4260105.17 | 0.313 | 0.327 | 0.63967 |
| 524662.52 | 4260077.53 | 0.236 | 0.246 | 0.48140 |
| 524692.14 | 4260053.84 | 0.162 | 0.169 | 0.33068 |
| 524752.55 | 4260050.68 | 0.107 | 0.112 | 0.21886 |
| 524338.94 | 4260404.55 | 0.506 | 0.528 | 1.03424 |
| 524441.43 | 4260403.88 | 0.553 | 0.576 | 1.12897 |
| 524538.99 | 4260369.97 | 0.352 | 0.367 | 0.71958 |
| 524566.4 | 4260356.96 | 0.316 | 0.330 | 0.64567 |
| 524530.17 | 4260389.94 | 0.337 | 0.352 | 0.68866 |
| 524498.28 | 4260239.21 | 1.878 | 1.960 | 3.83809 |
| 524477.41 | 4260262.98 | 1.830 | 1.909 | 3.73886 |
| 524494.8 | 4260256.02 | 1.656 | 1.728 | 3.38415 |
| 524515.67 | 4260222.4 | 1.732 | 1.807 | 3.53940 |
| 524519.73 | 4260238.63 | 1.418 | 1.479 | 2.89658 |
| 524519.15 | 4260249.06 | 1.297 | 1.353 | 2.65036 |
| 524529 | 4260210.8 | 1.598 | 1.667 | 3.26467 |
| 524535.38 | 4260221.82 | 1.357 | 1.416 | 2.77271 |
| 524534.22 | 4260237.47 | 1.201 | 1.253 | 2.45438 |
| 524546.97 | 4260196.89 | 1.348 | 1.406 | 2.75410 |
| 524546.97 | 4260211.38 | 1.243 | 1.297 | 2.53949 |
| 524549.87 | 4260224.14 | 1.103 | 1.151 | 2.25349 |
| 524560.3 | 4260187.04 | 1.175 | 1.226 | 2.40127 |
| 524569 | 4260203.85 | 0.958 | 1.000 | 1.95807 |
| 524580.01 | 4260180.66 | 0.919 | 0.958 | 1.87718 |
| 524580.01 | 4260198.05 | 0.860 | 0.898 | 1.75783 |
| 524588.13 | 4260163.27 | 0.849 | 0.885 | 1.73385 |
| 524598.57 | 4260182.98 | 0.711 | 0.742 | 1.45242 |
| 524596.25 | 4260169.64 | 0.746 | 0.778 | 1.52345 |

**Maximum Caner Risk**
4

**BAAQMD threshold of significance**
10

**Exceed thresholds?**
No

## Oakmont Emerald Isle

**Tier III**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 261 | 0.72 | 1 | 2.8 |
| 2 | 1 | 1 | 261 | 0.72 | 1 | 2.8 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** **Tier III** **at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM**

**Maximum Caner Risk**
0.6
**BAAQMD threshold of significance**
10
**Exceed thresholds?**
No

| X (m) | Y (m) | Adult Cancer Risk (year 1) 2017 (/million) | Adult Cancer Risk (year 2) 2018 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.005 | 0.005 | 0.00979 |
| 524149.22 | 4260065.3 | 0.006 | 0.006 | 0.01126 |
| 524164.22 | 4260065.3 | 0.006 | 0.006 | 0.01269 |
| 524179.22 | 4260065.3 | 0.007 | 0.007 | 0.01431 |
| 524194.22 | 4260065.3 | 0.008 | 0.008 | 0.01634 |
| 524209.22 | 4260065.3 | 0.009 | 0.009 | 0.01889 |
| 524224.22 | 4260065.3 | 0.011 | 0.011 | 0.02218 |
| 524239.22 | 4260065.3 | 0.013 | 0.013 | 0.02656 |
| 524254.22 | 4260065.3 | 0.016 | 0.016 | 0.03251 |
| 524269.22 | 4260065.3 | 0.020 | 0.021 | 0.04080 |
| 524134.22 | 4260080.3 | 0.005 | 0.005 | 0.01028 |
| 524149.22 | 4260080.3 | 0.006 | 0.006 | 0.01172 |
| 524164.22 | 4260080.3 | 0.007 | 0.007 | 0.01330 |
| 524179.22 | 4260080.3 | 0.008 | 0.008 | 0.01514 |
| 524194.22 | 4260080.3 | 0.009 | 0.009 | 0.01740 |
| 524209.22 | 4260080.3 | 0.010 | 0.010 | 0.02028 |
| 524224.22 | 4260080.3 | 0.012 | 0.012 | 0.02402 |
| 524239.22 | 4260080.3 | 0.014 | 0.015 | 0.02902 |
| 524254.22 | 4260080.3 | 0.018 | 0.018 | 0.03591 |
| 524269.22 | 4260080.3 | 0.023 | 0.023 | 0.04574 |
| 524134.22 | 4260095.3 | 0.005 | 0.005 | 0.01088 |
| 524149.22 | 4260095.3 | 0.006 | 0.006 | 0.01241 |
| 524164.22 | 4260095.3 | 0.007 | 0.007 | 0.01417 |
| 524179.22 | 4260095.3 | 0.008 | 0.008 | 0.01629 |
| 524194.22 | 4260095.3 | 0.009 | 0.010 | 0.01892 |
| 524209.22 | 4260095.3 | 0.011 | 0.011 | 0.02228 |
| 524224.22 | 4260095.3 | 0.013 | 0.013 | 0.02668 |
| 524239.22 | 4260095.3 | 0.016 | 0.017 | 0.03261 |
| 524254.22 | 4260095.3 | 0.020 | 0.021 | 0.04086 |
| 524269.22 | 4260095.3 | 0.026 | 0.027 | 0.05287 |
| 524134.22 | 4260110.3 | 0.006 | 0.006 | 0.01154 |
| 524149.22 | 4260110.3 | 0.007 | 0.007 | 0.01320 |
| 524164.22 | 4260110.3 | 0.008 | 0.008 | 0.01523 |
| 524179.22 | 4260110.3 | 0.009 | 0.009 | 0.01771 |
| 524194.22 | 4260110.3 | 0.010 | 0.011 | 0.02083 |
| 524209.22 | 4260110.3 | 0.012 | 0.013 | 0.02484 |
| 524224.22 | 4260110.3 | 0.015 | 0.015 | 0.03013 |
| 524239.22 | 4260110.3 | 0.018 | 0.019 | 0.03733 |
| 524254.22 | 4260110.3 | 0.023 | 0.024 | 0.04744 |
| 524269.22 | 4260110.3 | 0.031 | 0.032 | 0.06223 |
| 524134.22 | 4260125.3 | 0.006 | 0.006 | 0.01229 |
| 524149.22 | 4260125.3 | 0.007 | 0.007 | 0.01415 |
| 524164.22 | 4260125.3 | 0.008 | 0.008 | 0.01645 |
| 524179.22 | 4260125.3 | 0.010 | 0.010 | 0.01935 |
| 524194.22 | 4260125.3 | 0.011 | 0.012 | 0.02305 |
| 524209.22 | 4260125.3 | 0.014 | 0.014 | 0.02788 |
| 524224.22 | 4260125.3 | 0.017 | 0.017 | 0.03428 |
| 524239.22 | 4260125.3 | 0.021 | 0.022 | 0.04307 |
| 524254.22 | 4260125.3 | 0.027 | 0.028 | 0.05552 |
| 524269.22 | 4260125.3 | 0.036 | 0.038 | 0.07383 |
| 524134.22 | 4260140.3 | 0.006 | 0.007 | 0.01312 |
| 524149.22 | 4260140.3 | 0.008 | 0.008 | 0.01520 |
| 524164.22 | 4260140.3 | 0.009 | 0.009 | 0.01785 |
| 524179.22 | 4260140.3 | 0.010 | 0.011 | 0.02122 |
| 524194.22 | 4260140.3 | 0.013 | 0.013 | 0.02558 |
| 524209.22 | 4260140.3 | 0.015 | 0.016 | 0.03134 |
| 524224.22 | 4260140.3 | 0.019 | 0.020 | 0.03907 |
| 524239.22 | 4260140.3 | 0.024 | 0.025 | 0.04976 |
| 524254.22 | 4260140.3 | 0.032 | 0.033 | 0.06491 |
| 524269.22 | 4260140.3 | 0.043 | 0.044 | 0.08726 |
| 524134.22 | 4260155.3 | 0.007 | 0.007 | 0.01407 |
| 524149.22 | 4260155.3 | 0.008 | 0.008 | 0.01635 |
| 524164.22 | 4260155.3 | 0.010 | 0.010 | 0.01936 |
| 524179.22 | 4260155.3 | 0.011 | 0.012 | 0.02326 |
| 524194.22 | 4260155.3 | 0.014 | 0.014 | 0.02824 |
| 524209.22 | 4260155.3 | 0.017 | 0.018 | 0.03487 |
| 524224.22 | 4260155.3 | 0.022 | 0.022 | 0.04401 |
| 524239.22 | 4260155.3 | 0.028 | 0.029 | 0.05684 |
| 524254.22 | 4260155.3 | 0.037 | 0.038 | 0.07499 |
| 524269.22 | 4260155.3 | 0.050 | 0.052 | 0.10164 |
| 524134.22 | 4260170.3 | 0.007 | 0.008 | 0.01519 |
| 524149.22 | 4260170.3 | 0.009 | 0.009 | 0.01773 |
| 524164.22 | 4260170.3 | 0.010 | 0.011 | 0.02110 |
| 524179.22 | 4260170.3 | 0.013 | 0.013 | 0.02553 |
| 524194.22 | 4260170.3 | 0.015 | 0.016 | 0.03123 |
| 524209.22 | 4260170.3 | 0.019 | 0.020 | 0.03873 |
| 524224.22 | 4260170.3 | 0.024 | 0.025 | 0.04931 |
| 524239.22 | 4260170.3 | 0.031 | 0.033 | 0.06423 |
| 524254.22 | 4260170.3 | 0.042 | 0.043 | 0.08529 |
| 524269.22 | 4260170.3 | 0.057 | 0.059 | 0.11614 |
| 524134.22 | 4260185.3 | 0.008 | 0.009 | 0.01673 |
| 524149.22 | 4260185.3 | 0.010 | 0.010 | 0.01958 |
| 524164.22 | 4260185.3 | 0.011 | 0.012 | 0.02331 |
| 524179.22 | 4260185.3 | 0.014 | 0.014 | 0.02818 |
| 524194.22 | 4260185.3 | 0.017 | 0.018 | 0.03465 |
| 524209.22 | 4260185.3 | 0.021 | 0.022 | 0.04328 |
| 524224.22 | 4260185.3 | 0.027 | 0.028 | 0.05508 |
| 524239.22 | 4260185.3 | 0.035 | 0.036 | 0.07158 |
| 524254.22 | 4260185.3 | 0.046 | 0.048 | 0.09481 |
| 524269.22 | 4260185.3 | 0.063 | 0.066 | 0.12870 |
| 524134.22 | 4260200.3 | 0.009 | 0.009 | 0.01854 |
| 524149.22 | 4260200.3 | 0.011 | 0.011 | 0.02176 |
| 524164.22 | 4260200.3 | 0.013 | 0.013 | 0.02588 |
| 524179.22 | 4260200.3 | 0.015 | 0.016 | 0.03119 |
| 524194.22 | 4260200.3 | 0.019 | 0.020 | 0.03839 |
| 524209.22 | 4260200.3 | 0.024 | 0.025 | 0.04815 |
| 524224.22 | 4260200.3 | 0.030 | 0.031 | 0.06108 |
| 524239.22 | 4260200.3 | 0.039 | 0.040 | 0.07878 |
| 524254.22 | 4260200.3 | 0.051 | 0.053 | 0.10360 |
| 524269.22 | 4260200.3 | 0.068 | 0.071 | 0.13935 |
| 524134.22 | 4260215.3 | 0.010 | 0.011 | 0.02084 |
| 524149.22 | 4260215.3 | 0.012 | 0.012 | 0.02444 |
| 524164.22 | 4260215.3 | 0.014 | 0.015 | 0.02902 |
| 524179.22 | 4260215.3 | 0.017 | 0.018 | 0.03486 |
| 524194.22 | 4260215.3 | 0.021 | 0.022 | 0.04281 |
| 524209.22 | 4260215.3 | 0.026 | 0.027 | 0.05348 |
| 524224.22 | 4260215.3 | 0.033 | 0.034 | 0.06749 |
| 524239.22 | 4260215.3 | 0.042 | 0.044 | 0.08604 |
| 524254.22 | 4260215.3 | 0.055 | 0.057 | 0.11177 |
| 524269.22 | 4260215.3 | 0.072 | 0.075 | 0.14766 |
| 524134.22 | 4260230.3 | 0.011 | 0.012 | 0.02319 |
| 524149.22 | 4260230.3 | 0.013 | 0.014 | 0.02724 |
| 524164.22 | 4260230.3 | 0.016 | 0.016 | 0.03228 |
| 524179.22 | 4260230.3 | 0.019 | 0.020 | 0.03858 |
| 524194.22 | 4260230.3 | 0.023 | 0.024 | 0.04717 |
| 524209.22 | 4260230.3 | 0.029 | 0.030 | 0.05871 |
| 524224.22 | 4260230.3 | 0.036 | 0.037 | 0.07345 |
| 524239.22 | 4260230.3 | 0.045 | 0.047 | 0.09263 |
| 524254.22 | 4260230.3 | 0.058 | 0.060 | 0.11849 |
| 524269.22 | 4260230.3 | 0.075 | 0.078 | 0.15328 |
| 524134.22 | 4260245.3 | 0.012 | 0.013 | 0.02547 |
| 524149.22 | 4260245.3 | 0.015 | 0.015 | 0.03008 |
| 524164.22 | 4260245.3 | 0.017 | 0.018 | 0.03558 |
| 524179.22 | 4260245.3 | 0.021 | 0.022 | 0.04218 |
| 524194.22 | 4260245.3 | 0.025 | 0.026 | 0.05127 |
| 524209.22 | 4260245.3 | 0.031 | 0.032 | 0.06352 |
| 524224.22 | 4260245.3 | 0.039 | 0.040 | 0.07893 |
| 524239.22 | 4260245.3 | 0.048 | 0.050 | 0.09859 |
| 524254.22 | 4260245.3 | 0.061 | 0.063 | 0.12417 |
| 524269.22 | 4260245.3 | 0.077 | 0.080 | 0.15738 |
| 524134.22 | 4260260.3 | 0.014 | 0.014 | 0.02758 |
| 524149.22 | 4260260.3 | 0.016 | 0.017 | 0.03276 |
| 524164.22 | 4260260.3 | 0.019 | 0.020 | 0.03881 |
| 524179.22 | 4260260.3 | 0.022 | 0.023 | 0.04580 |
| 524194.22 | 4260260.3 | 0.027 | 0.028 | 0.05523 |
| 524209.22 | 4260260.3 | 0.033 | 0.035 | 0.06786 |
| 524224.22 | 4260260.3 | 0.041 | 0.043 | 0.08354 |
| 524239.22 | 4260260.3 | 0.050 | 0.053 | 0.10311 |
| 524254.22 | 4260260.3 | 0.063 | 0.065 | 0.12787 |
| 524269.22 | 4260260.3 | 0.078 | 0.081 | 0.15893 |
| 524134.22 | 4260275.3 | 0.014 | 0.015 | 0.02888 |
| 524149.22 | 4260275.3 | 0.017 | 0.018 | 0.03517 |
| 524164.22 | 4260275.3 | 0.021 | 0.021 | 0.04189 |
| 524179.22 | 4260275.3 | 0.024 | 0.025 | 0.04958 |
| 524194.22 | 4260275.3 | 0.029 | 0.030 | 0.05934 |
| 524209.22 | 4260275.3 | 0.035 | 0.037 | 0.07184 |
| 524224.22 | 4260275.3 | 0.043 | 0.045 | 0.08725 |
| 524239.22 | 4260275.3 | 0.052 | 0.054 | 0.10624 |
| 524254.22 | 4260275.3 | 0.064 | 0.066 | 0.12996 |
| 524269.22 | 4260275.3 | 0.078 | 0.081 | 0.15909 |
| 524134.22 | 4260290.3 | 0.015 | 0.015 | 0.03006 |
| 524149.22 | 4260290.3 | 0.018 | 0.019 | 0.03668 |
| 524164.22 | 4260290.3 | 0.022 | 0.023 | 0.04444 |
| 524179.22 | 4260290.3 | 0.026 | 0.027 | 0.05281 |
| 524194.22 | 4260290.3 | 0.031 | 0.032 | 0.06283 |
| 524209.22 | 4260290.3 | 0.037 | 0.038 | 0.07508 |
| 524224.22 | 4260290.3 | 0.044 | 0.046 | 0.09007 |
| 524239.22 | 4260290.3 | 0.053 | 0.055 | 0.10811 |
| 524254.22 | 4260290.3 | 0.064 | 0.067 | 0.13047 |
| 524269.22 | 4260290.3 | 0.077 | 0.080 | 0.15723 |
| 524134.22 | 4260305.3 | 0.015 | 0.016 | 0.03161 |
| 524149.22 | 4260305.3 | 0.019 | 0.019 | 0.03804 |
| 524164.22 | 4260305.3 | 0.023 | 0.024 | 0.04651 |
| 524179.22 | 4260305.3 | 0.027 | 0.028 | 0.05528 |
| 524194.22 | 4260305.3 | 0.032 | 0.033 | 0.06560 |
| 524209.22 | 4260305.3 | 0.038 | 0.040 | 0.07769 |
| 524224.22 | 4260305.3 | 0.045 | 0.047 | 0.09219 |
| 524239.22 | 4260305.3 | 0.054 | 0.056 | 0.10932 |
| 524254.22 | 4260305.3 | 0.064 | 0.066 | 0.12982 |
| 524269.22 | 4260305.3 | 0.075 | 0.078 | 0.15377 |
| 524134.22 | 4260320.3 | 0.016 | 0.017 | 0.03302 |
| 524149.22 | 4260320.3 | 0.019 | 0.020 | 0.03937 |
| 524164.22 | 4260320.3 | 0.023 | 0.024 | 0.04752 |
| 524179.22 | 4260320.3 | 0.028 | 0.029 | 0.05701 |
| 524194.22 | 4260320.3 | 0.033 | 0.034 | 0.06733 |
| 524209.22 | 4260320.3 | 0.039 | 0.040 | 0.07919 |
| 524224.22 | 4260320.3 | 0.046 | 0.047 | 0.09301 |
| 524239.22 | 4260320.3 | 0.053 | 0.056 | 0.10905 |
| 524254.22 | 4260320.3 | 0.063 | 0.065 | 0.12776 |
| 524269.22 | 4260320.3 | 0.073 | 0.076 | 0.14900 |
| 524134.22 | 4260335.3 | 0.017 | 0.018 | 0.03447 |
| 524149.22 | 4260335.3 | 0.020 | 0.021 | 0.04090 |
| 524164.22 | 4260335.3 | 0.024 | 0.025 | 0.04896 |
| 524179.22 | 4260335.3 | 0.029 | 0.030 | 0.05826 |
| 524194.22 | 4260335.3 | 0.033 | 0.035 | 0.06825 |
| 524209.22 | 4260335.3 | 0.039 | 0.041 | 0.07952 |
| 524224.22 | 4260335.3 | 0.045 | 0.047 | 0.09253 |
| 524239.22 | 4260335.3 | 0.053 | 0.055 | 0.10741 |
| 524254.22 | 4260335.3 | 0.061 | 0.064 | 0.12447 |
| 524269.22 | 4260335.3 | 0.070 | 0.073 | 0.14367 |
| 524134.22 | 4260350.3 | 0.018 | 0.018 | 0.03580 |
| 524149.22 | 4260350.3 | 0.021 | 0.022 | 0.04225 |
| 524164.22 | 4260350.3 | 0.025 | 0.026 | 0.05023 |
| 524179.22 | 4260350.3 | 0.029 | 0.030 | 0.05906 |
| 524194.22 | 4260350.3 | 0.034 | 0.035 | 0.06860 |
| 524209.22 | 4260350.3 | 0.039 | 0.040 | 0.07925 |
| 524224.22 | 4260350.3 | 0.045 | 0.047 | 0.09138 |
| 524239.22 | 4260350.3 | 0.051 | 0.054 | 0.10510 |
| 524254.22 | 4260350.3 | 0.059 | 0.062 | 0.12052 |
| 524269.22 | 4260350.3 | 0.067 | 0.070 | 0.13758 |
| 524204.65 | 4260012.52 | 0.007 | 0.007 | 0.01374 |
| 524203.43 | 4260005.01 | 0.007 | 0.007 | 0.01329 |
| 524204.65 | 4259997.73 | 0.007 | 0.007 | 0.01319 |
| 524204.4 | 4259988.28 | 0.006 | 0.006 | 0.01291 |
| 524189.13 | 4260004.28 | 0.006 | 0.006 | 0.01171 |
| 524189.37 | 4259993.85 | 0.006 | 0.006 | 0.01142 |
| 524190.83 | 4259982.7 | 0.006 | 0.006 | 0.01135 |
| 524246.78 | 4259946.49 | 0.010 | 0.010 | 0.01974 |
| 524255.34 | 4259929.66 | 0.010 | 0.011 | 0.02116 |
| 524250.49 | 4259937.65 | 0.010 | 0.010 | 0.02033 |
| 524232.52 | 4259935.94 | 0.008 | 0.008 | 0.01670 |
| 524220.54 | 4259937.94 | 0.007 | 0.007 | 0.01475 |
| 524212.55 | 4259949.92 | 0.007 | 0.007 | 0.01369 |
| 524206.28 | 4259957.62 | 0.006 | 0.007 | 0.01291 |
| 524199.43 | 4259957.05 | 0.006 | 0.006 | 0.01209 |
| 524188.31 | 4259954.48 | 0.005 | 0.005 | 0.01095 |
| 524196.86 | 4259946.49 | 0.006 | 0.006 | 0.01178 |
| 524203.71 | 4259947.63 | 0.006 | 0.006 | 0.01255 |
| 524199.43 | 4259934.8 | 0.006 | 0.006 | 0.01203 |
| 524206.56 | 4259925.1 | 0.006 | 0.006 | 0.01281 |
| 524213.12 | 4259917.68 | 0.007 | 0.007 | 0.01358 |
| 524241.93 | 4259920.25 | 0.009 | 0.009 | 0.01812 |
| 524215.97 | 4259907.7 | 0.007 | 0.007 | 0.01388 |
| 524221.11 | 4259892.3 | 0.007 | 0.007 | 0.01436 |
| 524238.79 | 4259898.86 | 0.008 | 0.009 | 0.01699 |
| 524238.79 | 4259907.98 | 0.008 | 0.009 | 0.01723 |
| 524237.37 | 4259884.59 | 0.008 | 0.008 | 0.01638 |
| 524214.83 | 4259881.17 | 0.007 | 0.007 | 0.01351 |
| 524203.14 | 4259873.47 | 0.006 | 0.006 | 0.01229 |
| 524198.29 | 4259867.19 | 0.006 | 0.006 | 0.01184 |
| 524232.8 | 4259867.19 | 0.008 | 0.008 | 0.01531 |
| 524233.09 | 4259857.5 | 0.007 | 0.008 | 0.01509 |
| 524235.66 | 4259852.36 | 0.008 | 0.008 | 0.01524 |
| 524239.65 | 4259845.51 | 0.008 | 0.008 | 0.01548 |
| 524243.93 | 4259834.68 | 0.008 | 0.008 | 0.01557 |
| 524250.49 | 4259823.84 | 0.008 | 0.008 | 0.01580 |
| 524243.64 | 4259822.12 | 0.007 | 0.008 | 0.01505 |
| 524232.8 | 4259816.13 | 0.007 | 0.007 | 0.01380 |
| 524225.1 | 4259826.4 | 0.007 | 0.007 | 0.01345 |
| 524218.26 | 4259836.67 | 0.007 | 0.007 | 0.01314 |
| 524210.55 | 4259846.94 | 0.006 | 0.006 | 0.01263 |
| 524202 | 4259857.5 | 0.006 | 0.006 | 0.01204 |
| 524265.77 | 4259728.17 | 0.006 | 0.006 | 0.01228 |
| 524273.47 | 4259713.63 | 0.006 | 0.006 | 0.01211 |
| 524276.89 | 4259698.51 | 0.006 | 0.006 | 0.01178 |
| 524260.92 | 4259693.94 | 0.006 | 0.006 | 0.01115 |
| 524251.79 | 4259711.06 | 0.006 | 0.006 | 0.01133 |
| 524250.65 | 4259723.04 | 0.006 | 0.006 | 0.01154 |
| 524265.2 | 4259620.63 | 0.005 | 0.005 | 0.00977 |
| 524284.88 | 4259588.39 | 0.005 | 0.005 | 0.00942 |
| 524305.71 | 4259554.73 | 0.005 | 0.005 | 0.00933 |
| 524315.12 | 4259565 | 0.005 | 0.005 | 0.00952 |
| 524303.99 | 4259604.08 | 0.005 | 0.005 | 0.01005 |
| 524638.04 | 4260127.68 | 0.056 | 0.059 | 0.11541 |
| 524645.94 | 4260114.25 | 0.049 | 0.051 | 0.10002 |
| 524647.12 | 4260105.17 | 0.047 | 0.049 | 0.09596 |
| 524662.52 | 4260077.53 | 0.035 | 0.037 | 0.07222 |
| 524692.14 | 4260053.84 | 0.024 | 0.025 | 0.04961 |
| 524752.55 | 4260050.68 | 0.016 | 0.017 | 0.03283 |
| 524338.94 | 4260404.55 | 0.076 | 0.079 | 0.15515 |
| 524441.43 | 4260403.88 | 0.083 | 0.086 | 0.16936 |
| 524538.99 | 4260369.97 | 0.053 | 0.055 | 0.10795 |
| 524566.4 | 4260356.96 | 0.047 | 0.049 | 0.09686 |
| 524530.17 | 4260389.94 | 0.051 | 0.053 | 0.10331 |
| 524498.28 | 4260239.21 | 0.282 | 0.294 | 0.57577 |
| 524477.41 | 4260262.98 | 0.275 | 0.286 | 0.56088 |
| 524494.8 | 4260256.02 | 0.248 | 0.259 | 0.50767 |
| 524515.67 | 4260222.4 | 0.260 | 0.271 | 0.53096 |
| 524519.73 | 4260238.63 | 0.213 | 0.222 | 0.43453 |
| 524519.15 | 4260249.06 | 0.195 | 0.203 | 0.39759 |
| 524529 | 4260210.8 | 0.240 | 0.250 | 0.48975 |
| 524535.38 | 4260221.82 | 0.204 | 0.212 | 0.41595 |
| 524534.22 | 4260237.47 | 0.180 | 0.188 | 0.36819 |
| 524546.97 | 4260196.89 | 0.202 | 0.211 | 0.41315 |
| 524546.97 | 4260211.38 | 0.186 | 0.195 | 0.38096 |
| 524549.87 | 4260224.14 | 0.165 | 0.173 | 0.33806 |
| 524560.3 | 4260187.04 | 0.176 | 0.184 | 0.36023 |
| 524569 | 4260203.85 | 0.144 | 0.150 | 0.29374 |
| 524580.01 | 4260180.66 | 0.138 | 0.144 | 0.28160 |
| 524580.01 | 4260198.05 | 0.129 | 0.135 | 0.26370 |
| 524588.13 | 4260163.27 | 0.127 | 0.133 | 0.26010 |
| 524598.57 | 4260182.98 | 0.107 | 0.111 | 0.21788 |
| 524596.25 | 4260169.64 | 0.112 | 0.117 | 0.22854 |

## Oakmont Emerald Isle

**Tier III**
**at Sensitive Receptors**

**Chronic Non-Cancer Hazard Index**

**Reference Exposure Level (REL) for DPM:** 5 ug/m3

**CNCHI = DPM/REL**

| X (m) | Y (m) | 2018 DPM (ug/m3) | 2019 DPM (ug/m3) | Max DPM (ug/m3) | CNCHI |
|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.001743 | 0.001713 | 0.001743 | 0.00035 |
| 524149.22 | 4260065.3 | 0.002019 | 0.001959 | 0.002019 | 0.00040 |
| 524164.22 | 4260065.3 | 0.002271 | 0.002211 | 0.002271 | 0.00045 |
| 524179.22 | 4260065.3 | 0.002551 | 0.002503 | 0.002551 | 0.00051 |
| 524194.22 | 4260065.3 | 0.002903 | 0.002866 | 0.002903 | 0.00058 |
| 524209.22 | 4260065.3 | 0.003346 | 0.003324 | 0.003346 | 0.00067 |
| 524224.22 | 4260065.3 | 0.003919 | 0.003915 | 0.003919 | 0.00078 |
| 524239.22 | 4260065.3 | 0.004679 | 0.0047 | 0.0047 | 0.00094 |
| 524254.22 | 4260065.3 | 0.005712 | 0.005768 | 0.005768 | 0.00115 |
| 524269.22 | 4260065.3 | 0.007151 | 0.007258 | 0.007258 | 0.00145 |
| 524134.22 | 4260080.3 | 0.001819 | 0.001813 | 0.001819 | 0.00036 |
| 524149.22 | 4260080.3 | 0.002078 | 0.00206 | 0.002078 | 0.00042 |
| 524164.22 | 4260080.3 | 0.002358 | 0.002341 | 0.002358 | 0.00047 |
| 524179.22 | 4260080.3 | 0.002675 | 0.002671 | 0.002675 | 0.00054 |
| 524194.22 | 4260080.3 | 0.003067 | 0.003079 | 0.003079 | 0.00062 |
| 524209.22 | 4260080.3 | 0.003565 | 0.003599 | 0.003599 | 0.00072 |
| 524224.22 | 4260080.3 | 0.004211 | 0.004272 | 0.004272 | 0.00085 |
| 524239.22 | 4260080.3 | 0.005077 | 0.005172 | 0.005172 | 0.00103 |
| 524254.22 | 4260080.3 | 0.006268 | 0.006412 | 0.006412 | 0.00128 |
| 524269.22 | 4260080.3 | 0.007971 | 0.008182 | 0.008182 | 0.00164 |
| 524134.22 | 4260095.3 | 0.001915 | 0.001927 | 0.001927 | 0.00039 |
| 524149.22 | 4260095.3 | 0.002187 | 0.002195 | 0.002195 | 0.00044 |
| 524164.22 | 4260095.3 | 0.002496 | 0.002509 | 0.002509 | 0.00050 |
| 524179.22 | 4260095.3 | 0.002862 | 0.00289 | 0.00289 | 0.00058 |
| 524194.22 | 4260095.3 | 0.003317 | 0.003365 | 0.003365 | 0.00067 |
| 524209.22 | 4260095.3 | 0.003897 | 0.003971 | 0.003971 | 0.00079 |
| 524224.22 | 4260095.3 | 0.004658 | 0.004765 | 0.004765 | 0.00095 |
| 524239.22 | 4260095.3 | 0.005683 | 0.005833 | 0.005833 | 0.00117 |
| 524254.22 | 4260095.3 | 0.007108 | 0.00732 | 0.00732 | 0.00146 |
| 524269.22 | 4260095.3 | 0.009185 | 0.009485 | 0.009485 | 0.00190 |
| 524134.22 | 4260110.3 | 0.002021 | 0.002053 | 0.002053 | 0.00041 |
| 524149.22 | 4260110.3 | 0.002314 | 0.002347 | 0.002347 | 0.00047 |
| 524164.22 | 4260110.3 | 0.002669 | 0.002709 | 0.002709 | 0.00054 |
| 524179.22 | 4260110.3 | 0.003099 | 0.003154 | 0.003154 | 0.00063 |
| 524194.22 | 4260110.3 | 0.003638 | 0.003717 | 0.003717 | 0.00074 |
| 524209.22 | 4260110.3 | 0.00433 | 0.004441 | 0.004441 | 0.00089 |
| 524224.22 | 4260110.3 | 0.005245 | 0.005395 | 0.005395 | 0.00108 |
| 524239.22 | 4260110.3 | 0.006489 | 0.006693 | 0.006693 | 0.00134 |
| 524254.22 | 4260110.3 | 0.008237 | 0.008517 | 0.008517 | 0.00170 |
| 524269.22 | 4260110.3 | 0.010793 | 0.011184 | 0.011184 | 0.00224 |
| 524134.22 | 4260125.3 | 0.002147 | 0.002193 | 0.002193 | 0.00044 |
| 524149.22 | 4260125.3 | 0.002472 | 0.002524 | 0.002524 | 0.00050 |
| 524164.22 | 4260125.3 | 0.002873 | 0.002937 | 0.002937 | 0.00059 |
| 524179.22 | 4260125.3 | 0.003375 | 0.003457 | 0.003457 | 0.00069 |
| 524194.22 | 4260125.3 | 0.004015 | 0.004125 | 0.004125 | 0.00082 |
| 524209.22 | 4260125.3 | 0.00485 | 0.004996 | 0.004996 | 0.00100 |
| 524224.22 | 4260125.3 | 0.005956 | 0.00615 | 0.00615 | 0.00123 |
| 524239.22 | 4260125.3 | 0.007476 | 0.007736 | 0.007736 | 0.00155 |
| 524254.22 | 4260125.3 | 0.009627 | 0.00998 | 0.00998 | 0.00200 |
| 524269.22 | 4260125.3 | 0.012791 | 0.013281 | 0.013281 | 0.00266 |
| 524134.22 | 4260140.3 | 0.002287 | 0.002348 | 0.002348 | 0.00047 |
| 524149.22 | 4260140.3 | 0.002649 | 0.002719 | 0.002719 | 0.00054 |
| 524164.22 | 4260140.3 | 0.003109 | 0.003194 | 0.003194 | 0.00064 |
| 524179.22 | 4260140.3 | 0.003693 | 0.0038 | 0.0038 | 0.00076 |
| 524194.22 | 4260140.3 | 0.004448 | 0.004586 | 0.004586 | 0.00092 |
| 524209.22 | 4260140.3 | 0.005444 | 0.005625 | 0.005625 | 0.00112 |
| 524224.22 | 4260140.3 | 0.006779 | 0.007018 | 0.007018 | 0.00140 |
| 524239.22 | 4260140.3 | 0.008627 | 0.008947 | 0.008947 | 0.00179 |
| 524254.22 | 4260140.3 | 0.011245 | 0.011678 | 0.011678 | 0.00234 |
| 524269.22 | 4260140.3 | 0.015107 | 0.015709 | 0.015709 | 0.00314 |
| 524134.22 | 4260155.3 | 0.002448 | 0.002521 | 0.002521 | 0.00050 |
| 524149.22 | 4260155.3 | 0.002844 | 0.00293 | 0.00293 | 0.00059 |
| 524164.22 | 4260155.3 | 0.003366 | 0.00347 | 0.00347 | 0.00069 |
| 524179.22 | 4260155.3 | 0.00404 | 0.004172 | 0.004172 | 0.00083 |
| 524194.22 | 4260155.3 | 0.004903 | 0.005071 | 0.005071 | 0.00101 |
| 524209.22 | 4260155.3 | 0.006049 | 0.006265 | 0.006265 | 0.00125 |
| 524224.22 | 4260155.3 | 0.007629 | 0.007913 | 0.007913 | 0.00158 |
| 524239.22 | 4260155.3 | 0.009847 | 0.010227 | 0.010227 | 0.00205 |
| 524254.22 | 4260155.3 | 0.012983 | 0.013499 | 0.013499 | 0.00270 |
| 524269.22 | 4260155.3 | 0.017589 | 0.018307 | 0.018307 | 0.00366 |
| 524134.22 | 4260170.3 | 0.00264 | 0.002725 | 0.002725 | 0.00055 |
| 524149.22 | 4260170.3 | 0.00308 | 0.003181 | 0.003181 | 0.00064 |
| 524164.22 | 4260170.3 | 0.003664 | 0.003787 | 0.003787 | 0.00076 |
| 524179.22 | 4260170.3 | 0.004431 | 0.004586 | 0.004586 | 0.00092 |
| 524194.22 | 4260170.3 | 0.005416 | 0.005613 | 0.005613 | 0.00112 |
| 524209.22 | 4260170.3 | 0.006713 | 0.006964 | 0.006964 | 0.00139 |
| 524224.22 | 4260170.3 | 0.008542 | 0.008872 | 0.008872 | 0.00177 |
| 524239.22 | 4260170.3 | 0.01112 | 0.011562 | 0.011562 | 0.00231 |
| 524254.22 | 4260170.3 | 0.01476 | 0.01536 | 0.01536 | 0.00307 |
| 524269.22 | 4260170.3 | 0.020091 | 0.020923 | 0.020923 | 0.00418 |
| 524134.22 | 4260185.3 | 0.002903 | 0.003003 | 0.003003 | 0.00060 |
| 524149.22 | 4260185.3 | 0.003398 | 0.003517 | 0.003517 | 0.00070 |
| 524164.22 | 4260185.3 | 0.004043 | 0.004188 | 0.004188 | 0.00084 |
| 524179.22 | 4260185.3 | 0.004887 | 0.005066 | 0.005066 | 0.00101 |
| 524194.22 | 4260185.3 | 0.006005 | 0.006232 | 0.006232 | 0.00125 |
| 524209.22 | 4260185.3 | 0.007497 | 0.007789 | 0.007789 | 0.00156 |
| 524224.22 | 4260185.3 | 0.009536 | 0.009914 | 0.009914 | 0.00198 |
| 524239.22 | 4260185.3 | 0.012388 | 0.012889 | 0.012889 | 0.00258 |
| 524254.22 | 4260185.3 | 0.016402 | 0.017079 | 0.017079 | 0.00342 |
| 524269.22 | 4260185.3 | 0.02226 | 0.023191 | 0.023191 | 0.00464 |
| 524134.22 | 4260200.3 | 0.003216 | 0.003331 | 0.003331 | 0.00067 |
| 524149.22 | 4260200.3 | 0.003774 | 0.003912 | 0.003912 | 0.00078 |
| 524164.22 | 4260200.3 | 0.004486 | 0.004653 | 0.004653 | 0.00093 |
| 524179.22 | 4260200.3 | 0.005405 | 0.00561 | 0.00561 | 0.00112 |
| 524194.22 | 4260200.3 | 0.00665 | 0.006907 | 0.006907 | 0.00138 |
| 524209.22 | 4260200.3 | 0.008337 | 0.008668 | 0.008668 | 0.00173 |
| 524224.22 | 4260200.3 | 0.010571 | 0.010999 | 0.010999 | 0.00220 |
| 524239.22 | 4260200.3 | 0.01363 | 0.014191 | 0.014191 | 0.00284 |
| 524254.22 | 4260200.3 | 0.01792 | 0.018666 | 0.018666 | 0.00373 |
| 524269.22 | 4260200.3 | 0.024098 | 0.025114 | 0.025114 | 0.00502 |
| 524134.22 | 4260215.3 | 0.003612 | 0.003746 | 0.003746 | 0.00075 |
| 524149.22 | 4260215.3 | 0.004236 | 0.004396 | 0.004396 | 0.00088 |
| 524164.22 | 4260215.3 | 0.005028 | 0.00522 | 0.00522 | 0.00104 |
| 524179.22 | 4260215.3 | 0.006038 | 0.006274 | 0.006274 | 0.00125 |
| 524194.22 | 4260215.3 | 0.007413 | 0.007707 | 0.007707 | 0.00154 |
| 524209.22 | 4260215.3 | 0.009256 | 0.00963 | 0.00963 | 0.00193 |
| 524224.22 | 4260215.3 | 0.011678 | 0.012157 | 0.012157 | 0.00243 |
| 524239.22 | 4260215.3 | 0.014884 | 0.015501 | 0.015501 | 0.00310 |
| 524254.22 | 4260215.3 | 0.01933 | 0.02014 | 0.02014 | 0.00403 |
| 524269.22 | 4260215.3 | 0.025532 | 0.026613 | 0.026613 | 0.00532 |
| 524134.22 | 4260230.3 | 0.004017 | 0.004172 | 0.004172 | 0.00083 |
| 524149.22 | 4260230.3 | 0.004718 | 0.004902 | 0.004902 | 0.00098 |
| 524164.22 | 4260230.3 | 0.00559 | 0.005809 | 0.005809 | 0.00116 |
| 524179.22 | 4260230.3 | 0.00668 | 0.006945 | 0.006945 | 0.00139 |
| 524194.22 | 4260230.3 | 0.008163 | 0.008493 | 0.008493 | 0.00170 |
| 524209.22 | 4260230.3 | 0.010159 | 0.010575 | 0.010575 | 0.00212 |
| 524224.22 | 4260230.3 | 0.012706 | 0.013233 | 0.013233 | 0.00265 |
| 524239.22 | 4260230.3 | 0.01602 | 0.016691 | 0.016691 | 0.00334 |
| 524254.22 | 4260230.3 | 0.020491 | 0.021355 | 0.021355 | 0.00427 |
| 524269.22 | 4260230.3 | 0.026503 | 0.027629 | 0.027629 | 0.00553 |
| 524134.22 | 4260245.3 | 0.004411 | 0.004585 | 0.004585 | 0.00092 |
| 524149.22 | 4260245.3 | 0.005208 | 0.005415 | 0.005415 | 0.00108 |
| 524164.22 | 4260245.3 | 0.00616 | 0.006406 | 0.006406 | 0.00128 |
| 524179.22 | 4260245.3 | 0.0073 | 0.007596 | 0.007596 | 0.00152 |
| 524194.22 | 4260245.3 | 0.008873 | 0.009235 | 0.009235 | 0.00185 |
| 524209.22 | 4260245.3 | 0.010989 | 0.011443 | 0.011443 | 0.00229 |
| 524224.22 | 4260245.3 | 0.013653 | 0.014222 | 0.014222 | 0.00284 |
| 524239.22 | 4260245.3 | 0.01705 | 0.017768 | 0.017768 | 0.00355 |
| 524254.22 | 4260245.3 | 0.021471 | 0.022381 | 0.022381 | 0.00448 |
| 524269.22 | 4260245.3 | 0.02721 | 0.028368 | 0.028368 | 0.00567 |
| 524134.22 | 4260260.3 | 0.004775 | 0.004966 | 0.004966 | 0.00099 |
| 524149.22 | 4260260.3 | 0.005671 | 0.005899 | 0.005899 | 0.00118 |
| 524164.22 | 4260260.3 | 0.006716 | 0.006989 | 0.006989 | 0.00140 |
| 524179.22 | 4260260.3 | 0.007925 | 0.008249 | 0.008249 | 0.00165 |
| 524194.22 | 4260260.3 | 0.009554 | 0.009949 | 0.009949 | 0.00199 |
| 524209.22 | 4260260.3 | 0.011737 | 0.012227 | 0.012227 | 0.00245 |
| 524224.22 | 4260260.3 | 0.014447 | 0.015054 | 0.015054 | 0.00301 |
| 524239.22 | 4260260.3 | 0.017831 | 0.018584 | 0.018584 | 0.00372 |
| 524254.22 | 4260260.3 | 0.022109 | 0.023048 | 0.023048 | 0.00461 |
| 524269.22 | 4260260.3 | 0.027477 | 0.028649 | 0.028649 | 0.00573 |
| 524134.22 | 4260275.3 | 0.004999 | 0.005201 | 0.005201 | 0.00104 |
| 524149.22 | 4260275.3 | 0.006087 | 0.006334 | 0.006334 | 0.00127 |
| 524164.22 | 4260275.3 | 0.007247 | 0.007545 | 0.007545 | 0.00151 |
| 524179.22 | 4260275.3 | 0.008578 | 0.008932 | 0.008932 | 0.00179 |
| 524194.22 | 4260275.3 | 0.010264 | 0.010692 | 0.010692 | 0.00214 |
| 524209.22 | 4260275.3 | 0.012424 | 0.012945 | 0.012945 | 0.00259 |
| 524224.22 | 4260275.3 | 0.015088 | 0.015725 | 0.015725 | 0.00314 |
| 524239.22 | 4260275.3 | 0.01837 | 0.019148 | 0.019148 | 0.00383 |
| 524254.22 | 4260275.3 | 0.02247 | 0.023426 | 0.023426 | 0.00469 |
| 524269.22 | 4260275.3 | 0.027504 | 0.028678 | 0.028678 | 0.00574 |
| 524134.22 | 4260290.3 | 0.005202 | 0.005415 | 0.005415 | 0.00108 |
| 524149.22 | 4260290.3 | 0.006347 | 0.006608 | 0.006608 | 0.00132 |
| 524164.22 | 4260290.3 | 0.007688 | 0.008007 | 0.008007 | 0.00160 |
| 524179.22 | 4260290.3 | 0.009134 | 0.009514 | 0.009514 | 0.00190 |
| 524194.22 | 4260290.3 | 0.010867 | 0.011322 | 0.011322 | 0.00226 |
| 524209.22 | 4260290.3 | 0.012984 | 0.01353 | 0.01353 | 0.00271 |
| 524224.22 | 4260290.3 | 0.015575 | 0.016234 | 0.016234 | 0.00325 |
| 524239.22 | 4260290.3 | 0.018693 | 0.019487 | 0.019487 | 0.00390 |
| 524254.22 | 4260290.3 | 0.022557 | 0.023519 | 0.023519 | 0.00470 |
| 524269.22 | 4260290.3 | 0.027182 | 0.028344 | 0.028344 | 0.00567 |
| 524134.22 | 4260305.3 | 0.005468 | 0.005694 | 0.005694 | 0.00114 |
| 524149.22 | 4260305.3 | 0.006581 | 0.006853 | 0.006853 | 0.00137 |
| 524164.22 | 4260305.3 | 0.008045 | 0.008381 | 0.008381 | 0.00168 |
| 524179.22 | 4260305.3 | 0.009561 | 0.009961 | 0.009961 | 0.00199 |
| 524194.22 | 4260305.3 | 0.011344 | 0.011821 | 0.011821 | 0.00236 |
| 524209.22 | 4260305.3 | 0.013435 | 0.014002 | 0.014002 | 0.00280 |
| 524224.22 | 4260305.3 | 0.01594 | 0.016617 | 0.016617 | 0.00332 |
| 524239.22 | 4260305.3 | 0.0189 | 0.019705 | 0.019705 | 0.00394 |
| 524254.22 | 4260305.3 | 0.022444 | 0.023403 | 0.023403 | 0.00468 |
| 524269.22 | 4260305.3 | 0.026583 | 0.027721 | 0.027721 | 0.00554 |
| 524134.22 | 4260320.3 | 0.005713 | 0.005949 | 0.005949 | 0.00119 |
| 524149.22 | 4260320.3 | 0.00681 | 0.007094 | 0.007094 | 0.00142 |
| 524164.22 | 4260320.3 | 0.008218 | 0.008562 | 0.008562 | 0.00171 |
| 524179.22 | 4260320.3 | 0.009859 | 0.010273 | 0.010273 | 0.00205 |
| 524194.22 | 4260320.3 | 0.011644 | 0.012136 | 0.012136 | 0.00243 |
| 524209.22 | 4260320.3 | 0.013693 | 0.014272 | 0.014272 | 0.00285 |
| 524224.22 | 4260320.3 | 0.016082 | 0.016765 | 0.016765 | 0.00335 |
| 524239.22 | 4260320.3 | 0.018854 | 0.019657 | 0.019657 | 0.00393 |
| 524254.22 | 4260320.3 | 0.022086 | 0.023031 | 0.023031 | 0.00461 |
| 524269.22 | 4260320.3 | 0.025757 | 0.026861 | 0.026861 | 0.00537 |
| 524134.22 | 4260335.3 | 0.005962 | 0.006211 | 0.006211 | 0.00124 |
| 524149.22 | 4260335.3 | 0.007073 | 0.007369 | 0.007369 | 0.00147 |
| 524164.22 | 4260335.3 | 0.008467 | 0.008823 | 0.008823 | 0.00176 |
| 524179.22 | 4260335.3 | 0.010075 | 0.010499 | 0.010499 | 0.00210 |
| 524194.22 | 4260335.3 | 0.011801 | 0.0123 | 0.0123 | 0.00246 |
| 524209.22 | 4260335.3 | 0.01375 | 0.014333 | 0.014333 | 0.00287 |
| 524224.22 | 4260335.3 | 0.015998 | 0.016679 | 0.016679 | 0.00334 |
| 524239.22 | 4260335.3 | 0.018569 | 0.019361 | 0.019361 | 0.00387 |
| 524254.22 | 4260335.3 | 0.021518 | 0.022437 | 0.022437 | 0.00449 |
| 524269.22 | 4260335.3 | 0.024836 | 0.0259 | 0.0259 | 0.00518 |
| 524134.22 | 4260350.3 | 0.006191 | 0.00645 | 0.00645 | 0.00129 |
| 524149.22 | 4260350.3 | 0.007307 | 0.007614 | 0.007614 | 0.00152 |
| 524164.22 | 4260350.3 | 0.008687 | 0.009052 | 0.009052 | 0.00181 |
| 524179.22 | 4260350.3 | 0.010212 | 0.010644 | 0.010644 | 0.00213 |
| 524194.22 | 4260350.3 | 0.011861 | 0.012364 | 0.012364 | 0.00247 |
| 524209.22 | 4260350.3 | 0.013701 | 0.014284 | 0.014284 | 0.00286 |
| 524224.22 | 4260350.3 | 0.015798 | 0.016472 | 0.016472 | 0.00329 |
| 524239.22 | 4260350.3 | 0.018169 | 0.018945 | 0.018945 | 0.00379 |
| 524254.22 | 4260350.3 | 0.020835 | 0.021727 | 0.021727 | 0.00435 |
| 524269.22 | 4260350.3 | 0.023782 | 0.024802 | 0.024802 | 0.00496 |
| 524204.65 | 4260012.52 | 0.002417 | 0.002434 | 0.002434 | 0.00049 |
| 524203.43 | 4260005.01 | 0.002337 | 0.002355 | 0.002355 | 0.00047 |
| 524204.65 | 4259997.73 | 0.002317 | 0.00234 | 0.00234 | 0.00047 |
| 524204.4 | 4259988.28 | 0.002266 | 0.002292 | 0.002292 | 0.00046 |
| 524189.13 | 4260004.28 | 0.002072 | 0.002065 | 0.002072 | 0.00041 |
| 524189.37 | 4259993.85 | 0.002019 | 0.002016 | 0.002019 | 0.00040 |
| 524190.83 | 4259982.7 | 0.002003 | 0.002005 | 0.002005 | 0.00040 |
| 524246.78 | 4259946.49 | 0.003433 | 0.003539 | 0.003539 | 0.00071 |
| 524255.34 | 4259929.66 | 0.003676 | 0.003797 | 0.003797 | 0.00076 |
| 524250.49 | 4259937.65 | 0.003533 | 0.003646 | 0.003646 | 0.00073 |
| 524232.52 | 4259935.94 | 0.002909 | 0.002988 | 0.002988 | 0.00060 |
| 524220.54 | 4259937.94 | 0.002575 | 0.002634 | 0.002634 | 0.00053 |
| 524212.55 | 4259949.92 | 0.002394 | 0.00244 | 0.00244 | 0.00049 |
| 524206.28 | 4259957.62 | 0.002263 | 0.002297 | 0.002297 | 0.00046 |
| 524199.43 | 4259957.05 | 0.002124 | 0.002145 | 0.002145 | 0.00043 |
| 524188.31 | 4259954.48 | 0.001935 | 0.001932 | 0.001935 | 0.00039 |
| 524196.86 | 4259946.49 | 0.002072 | 0.002088 | 0.002088 | 0.00042 |
| 524203.71 | 4259947.63 | 0.002201 | 0.00223 | 0.00223 | 0.00045 |
| 524199.43 | 4259934.8 | 0.002114 | 0.002135 | 0.002135 | 0.00043 |
| 524206.56 | 4259925.1 | 0.002246 | 0.002279 | 0.002279 | 0.00046 |
| 524213.12 | 4259917.68 | 0.002375 | 0.00242 | 0.00242 | 0.00048 |
| 524241.93 | 4259920.25 | 0.003153 | 0.003248 | 0.003248 | 0.00065 |
| 524215.97 | 4259907.7 | 0.002427 | 0.002476 | 0.002476 | 0.00050 |
| 524221.11 | 4259892.3 | 0.002508 | 0.002564 | 0.002564 | 0.00051 |
| 524238.79 | 4259898.86 | 0.002957 | 0.003042 | 0.003042 | 0.00061 |
| 524238.79 | 4259907.98 | 0.003 | 0.003086 | 0.003086 | 0.00062 |
| 524237.37 | 4259884.59 | 0.002853 | 0.002931 | 0.002931 | 0.00059 |
| 524214.83 | 4259881.17 | 0.002364 | 0.002407 | 0.002407 | 0.00048 |
| 524203.14 | 4259873.47 | 0.002159 | 0.00218 | 0.00218 | 0.00044 |
| 524198.29 | 4259867.19 | 0.002085 | 0.002095 | 0.002095 | 0.00042 |
| 524232.8 | 4259867.19 | 0.00267 | 0.002736 | 0.002736 | 0.00055 |
| 524233.09 | 4259857.5 | 0.002632 | 0.002696 | 0.002696 | 0.00054 |
| 524235.66 | 4259852.36 | 0.002659 | 0.002724 | 0.002724 | 0.00054 |
| 524239.65 | 4259845.51 | 0.002699 | 0.002767 | 0.002767 | 0.00055 |
| 524243.93 | 4259834.68 | 0.002715 | 0.002784 | 0.002784 | 0.00056 |
| 524250.49 | 4259823.84 | 0.002754 | 0.002827 | 0.002827 | 0.00057 |
| 524243.64 | 4259822.12 | 0.002626 | 0.00269 | 0.00269 | 0.00054 |
| 524232.8 | 4259816.13 | 0.002413 | 0.00246 | 0.00246 | 0.00049 |
| 524225.1 | 4259826.4 | 0.002354 | 0.002395 | 0.002395 | 0.00048 |
| 524218.26 | 4259836.67 | 0.002302 | 0.002337 | 0.002337 | 0.00047 |
| 524210.55 | 4259846.94 | 0.002217 | 0.002244 | 0.002244 | 0.00045 |
| 524202 | 4259857.5 | 0.00212 | 0.002133 | 0.002133 | 0.00043 |
| 524265.77 | 4259728.17 | 0.002161 | 0.002175 | 0.002175 | 0.00043 |
| 524273.47 | 4259713.63 | 0.002133 | 0.002145 | 0.002145 | 0.00043 |
| 524276.89 | 4259698.51 | 0.002075 | 0.002084 | 0.002084 | 0.00042 |
| 524260.92 | 4259693.94 | 0.001988 | 0.001949 | 0.001988 | 0.00040 |
| 524251.79 | 4259711.06 | 0.002025 | 0.001975 | 0.002025 | 0.00041 |
| 524250.65 | 4259723.04 | 0.002055 | 0.002021 | 0.002055 | 0.00041 |
| 524265.2 | 4259620.63 | 0.001776 | 0.001676 | 0.001776 | 0.00036 |
| 524284.88 | 4259588.39 | 0.001703 | 0.001624 | 0.001703 | 0.00034 |
| 524305.71 | 4259554.73 | 0.001694 | 0.001603 | 0.001694 | 0.00034 |
| 524315.12 | 4259565 | 0.0017 | 0.001663 | 0.0017 | 0.00034 |
| 524303.99 | 4259604.08 | 0.001779 | 0.00177 | 0.001779 | 0.00036 |
| 524638.04 | 4260127.68 | 0.019948 | 0.02081 | 0.02081 | 0.00416 |
| 524645.94 | 4260114.25 | 0.017288 | 0.018034 | 0.018034 | 0.00361 |
| 524647.12 | 4260105.17 | 0.016586 | 0.017302 | 0.017302 | 0.00346 |
| 524662.52 | 4260077.53 | 0.012483 | 0.013021 | 0.013021 | 0.00260 |
| 524692.14 | 4260053.84 | 0.008575 | 0.008944 | 0.008944 | 0.00179 |
| 524752.55 | 4260050.68 | 0.005675 | 0.005919 | 0.005919 | 0.00118 |
| 524338.94 | 4260404.55 | 0.026818 | 0.027974 | 0.027974 | 0.00559 |
| 524441.43 | 4260403.88 | 0.029273 | 0.030537 | 0.030537 | 0.00611 |
| 524538.99 | 4260369.97 | 0.018658 | 0.019463 | 0.019463 | 0.00389 |
| 524566.4 | 4260356.96 | 0.016742 | 0.017464 | 0.017464 | 0.00349 |
| 524530.17 | 4260389.94 | 0.017856 | 0.018627 | 0.018627 | 0.00373 |
| 524498.28 | 4260239.21 | 0.099512 | 0.103819 | 0.103819 | 0.02076 |
| 524477.41 | 4260262.98 | 0.09694 | 0.101135 | 0.101135 | 0.02023 |
| 524494.8 | 4260256.02 | 0.087743 | 0.09154 | 0.09154 | 0.01831 |
| 524515.67 | 4260222.4 | 0.091768 | 0.09574 | 0.09574 | 0.01915 |
| 524519.73 | 4260238.63 | 0.075102 | 0.078351 | 0.078351 | 0.01567 |
| 524519.15 | 4260249.06 | 0.068718 | 0.071691 | 0.071691 | 0.01434 |
| 524529 | 4260210.8 | 0.084645 | 0.088308 | 0.088308 | 0.01766 |
| 524535.38 | 4260221.82 | 0.07189 | 0.075001 | 0.075001 | 0.01500 |
| 524534.22 | 4260237.47 | 0.063636 | 0.06639 | 0.06639 | 0.01328 |
| 524546.97 | 4260196.89 | 0.071407 | 0.074498 | 0.074498 | 0.01490 |
| 524546.97 | 4260211.38 | 0.065843 | 0.068692 | 0.068692 | 0.01374 |
| 524549.87 | 4260224.14 | 0.058428 | 0.060956 | 0.060956 | 0.01219 |
| 524560.3 | 4260187.04 | 0.062259 | 0.064953 | 0.064953 | 0.01299 |
| 524569 | 4260203.85 | 0.050769 | 0.052965 | 0.052965 | 0.01059 |
| 524580.01 | 4260180.66 | 0.048671 | 0.050776 | 0.050776 | 0.01016 |
| 524580.01 | 4260198.05 | 0.045577 | 0.047548 | 0.047548 | 0.00951 |
| 524588.13 | 4260163.27 | 0.044955 | 0.046899 | 0.046899 | 0.00938 |
| 524598.57 | 4260182.98 | 0.037659 | 0.039286 | 0.039286 | 0.00786 |
| 524596.25 | 4260169.64 | 0.0395 | 0.041208 | 0.041208 | 0.00824 |

**Maximum Caner Risk**
0.02

**BAAQMD threshold of significance**
1

**Exceed thresholds?**
No

## Oakmont Emerald Isle

**Tier III**
**at Sensitive Receptors**

**Annual Average PM2.5 (Exhaust + Fugitive Dust)**

**Maximum Caner Risk**
0.1
**BAAQMD threshold of significance**
0.3
**Exceed thresholds?**
No

| X (m) | Y (m) | 2018 PM2.5 (ug/m3) | 2019 PM2.5 (ug/m3) | Max PM2.5 (ug/m3) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.001743 | 0.001713 | 0.00174 |
| 524149.22 | 4260065.3 | 0.002019 | 0.001959 | 0.00202 |
| 524164.22 | 4260065.3 | 0.002271 | 0.002211 | 0.00227 |
| 524179.22 | 4260065.3 | 0.002551 | 0.002503 | 0.00255 |
| 524194.22 | 4260065.3 | 0.002903 | 0.002866 | 0.00290 |
| 524209.22 | 4260065.3 | 0.003346 | 0.003324 | 0.00335 |
| 524224.22 | 4260065.3 | 0.003919 | 0.003915 | 0.00392 |
| 524239.22 | 4260065.3 | 0.004679 | 0.0047 | 0.00470 |
| 524254.22 | 4260065.3 | 0.005712 | 0.005768 | 0.00577 |
| 524269.22 | 4260065.3 | 0.007151 | 0.007258 | 0.00726 |
| 524134.22 | 4260080.3 | 0.001819 | 0.001813 | 0.00182 |
| 524149.22 | 4260080.3 | 0.002078 | 0.00206 | 0.00208 |
| 524164.22 | 4260080.3 | 0.002358 | 0.002341 | 0.00236 |
| 524179.22 | 4260080.3 | 0.002675 | 0.002671 | 0.00268 |
| 524194.22 | 4260080.3 | 0.003067 | 0.003079 | 0.00308 |
| 524209.22 | 4260080.3 | 0.003565 | 0.003599 | 0.00360 |
| 524224.22 | 4260080.3 | 0.004211 | 0.004272 | 0.00427 |
| 524239.22 | 4260080.3 | 0.005077 | 0.005172 | 0.00517 |
| 524254.22 | 4260080.3 | 0.006268 | 0.006412 | 0.00641 |
| 524269.22 | 4260080.3 | 0.007971 | 0.008182 | 0.00818 |
| 524134.22 | 4260095.3 | 0.001915 | 0.001927 | 0.00193 |
| 524149.22 | 4260095.3 | 0.002187 | 0.002195 | 0.00220 |
| 524164.22 | 4260095.3 | 0.002496 | 0.002509 | 0.00251 |
| 524179.22 | 4260095.3 | 0.002862 | 0.00289 | 0.00289 |
| 524194.22 | 4260095.3 | 0.003317 | 0.003365 | 0.00336 |
| 524209.22 | 4260095.3 | 0.003897 | 0.003971 | 0.00397 |
| 524224.22 | 4260095.3 | 0.004658 | 0.004765 | 0.00476 |
| 524239.22 | 4260095.3 | 0.005683 | 0.005833 | 0.00583 |
| 524254.22 | 4260095.3 | 0.007108 | 0.00732 | 0.00732 |
| 524269.22 | 4260095.3 | 0.009185 | 0.009485 | 0.00948 |
| 524134.22 | 4260110.3 | 0.002021 | 0.002053 | 0.00205 |
| 524149.22 | 4260110.3 | 0.002314 | 0.002347 | 0.00235 |
| 524164.22 | 4260110.3 | 0.002669 | 0.002709 | 0.00271 |
| 524179.22 | 4260110.3 | 0.003099 | 0.003154 | 0.00315 |
| 524194.22 | 4260110.3 | 0.003638 | 0.003717 | 0.00372 |
| 524209.22 | 4260110.3 | 0.00433 | 0.004441 | 0.00444 |
| 524224.22 | 4260110.3 | 0.005245 | 0.005395 | 0.00540 |
| 524239.22 | 4260110.3 | 0.006489 | 0.006693 | 0.00669 |
| 524254.22 | 4260110.3 | 0.008237 | 0.008517 | 0.00852 |
| 524269.22 | 4260110.3 | 0.010793 | 0.011184 | 0.01118 |
| 524134.22 | 4260125.3 | 0.002147 | 0.002193 | 0.00219 |
| 524149.22 | 4260125.3 | 0.002472 | 0.002524 | 0.00252 |
| 524164.22 | 4260125.3 | 0.002873 | 0.002937 | 0.00294 |
| 524179.22 | 4260125.3 | 0.003375 | 0.003457 | 0.00346 |
| 524194.22 | 4260125.3 | 0.004015 | 0.004125 | 0.00412 |
| 524209.22 | 4260125.3 | 0.00485 | 0.004996 | 0.00500 |
| 524224.22 | 4260125.3 | 0.005956 | 0.00615 | 0.00615 |
| 524239.22 | 4260125.3 | 0.007476 | 0.007736 | 0.00774 |
| 524254.22 | 4260125.3 | 0.009627 | 0.00998 | 0.00998 |
| 524269.22 | 4260125.3 | 0.012791 | 0.013281 | 0.01328 |
| 524134.22 | 4260140.3 | 0.002287 | 0.002348 | 0.00235 |
| 524149.22 | 4260140.3 | 0.002649 | 0.002719 | 0.00272 |
| 524164.22 | 4260140.3 | 0.003109 | 0.003194 | 0.00319 |
| 524179.22 | 4260140.3 | 0.003693 | 0.0038 | 0.00380 |
| 524194.22 | 4260140.3 | 0.004448 | 0.004586 | 0.00459 |
| 524209.22 | 4260140.3 | 0.005444 | 0.005625 | 0.00562 |
| 524224.22 | 4260140.3 | 0.006779 | 0.007018 | 0.00702 |
| 524239.22 | 4260140.3 | 0.008627 | 0.008947 | 0.00895 |
| 524254.22 | 4260140.3 | 0.011245 | 0.011678 | 0.01168 |
| 524269.22 | 4260140.3 | 0.015107 | 0.015709 | 0.01571 |
| 524134.22 | 4260155.3 | 0.002448 | 0.002521 | 0.00252 |
| 524149.22 | 4260155.3 | 0.002844 | 0.00293 | 0.00293 |
| 524164.22 | 4260155.3 | 0.003366 | 0.00347 | 0.00347 |
| 524179.22 | 4260155.3 | 0.00404 | 0.004172 | 0.00417 |
| 524194.22 | 4260155.3 | 0.004903 | 0.005071 | 0.00507 |
| 524209.22 | 4260155.3 | 0.006049 | 0.006265 | 0.00626 |
| 524224.22 | 4260155.3 | 0.007629 | 0.007913 | 0.00791 |
| 524239.22 | 4260155.3 | 0.009847 | 0.010227 | 0.01023 |
| 524254.22 | 4260155.3 | 0.012983 | 0.013499 | 0.01350 |
| 524269.22 | 4260155.3 | 0.017589 | 0.018307 | 0.01831 |
| 524134.22 | 4260170.3 | 0.00264 | 0.002725 | 0.00273 |
| 524149.22 | 4260170.3 | 0.00308 | 0.003181 | 0.00318 |
| 524164.22 | 4260170.3 | 0.003664 | 0.003787 | 0.00379 |
| 524179.22 | 4260170.3 | 0.004431 | 0.004586 | 0.00459 |
| 524194.22 | 4260170.3 | 0.005416 | 0.005613 | 0.00561 |
| 524209.22 | 4260170.3 | 0.006713 | 0.006964 | 0.00696 |
| 524224.22 | 4260170.3 | 0.008542 | 0.008872 | 0.00887 |
| 524239.22 | 4260170.3 | 0.01112 | 0.011562 | 0.01156 |
| 524254.22 | 4260170.3 | 0.01476 | 0.01536 | 0.01536 |
| 524269.22 | 4260170.3 | 0.020091 | 0.020923 | 0.02092 |
| 524134.22 | 4260185.3 | 0.002903 | 0.003003 | 0.00300 |
| 524149.22 | 4260185.3 | 0.003398 | 0.003517 | 0.00352 |
| 524164.22 | 4260185.3 | 0.004043 | 0.004188 | 0.00419 |
| 524179.22 | 4260185.3 | 0.004887 | 0.005066 | 0.00507 |
| 524194.22 | 4260185.3 | 0.006005 | 0.006232 | 0.00623 |
| 524209.22 | 4260185.3 | 0.007497 | 0.007789 | 0.00779 |
| 524224.22 | 4260185.3 | 0.009536 | 0.009914 | 0.00991 |
| 524239.22 | 4260185.3 | 0.012388 | 0.012889 | 0.01289 |
| 524254.22 | 4260185.3 | 0.016402 | 0.017079 | 0.01708 |
| 524269.22 | 4260185.3 | 0.02226 | 0.023191 | 0.02319 |
| 524134.22 | 4260200.3 | 0.003216 | 0.003331 | 0.00333 |
| 524149.22 | 4260200.3 | 0.003774 | 0.003912 | 0.00391 |
| 524164.22 | 4260200.3 | 0.004486 | 0.004653 | 0.00465 |
| 524179.22 | 4260200.3 | 0.005405 | 0.00561 | 0.00561 |
| 524194.22 | 4260200.3 | 0.00665 | 0.006907 | 0.00691 |
| 524209.22 | 4260200.3 | 0.008337 | 0.008668 | 0.00867 |
| 524224.22 | 4260200.3 | 0.010571 | 0.010999 | 0.01100 |
| 524239.22 | 4260200.3 | 0.01363 | 0.014191 | 0.01419 |
| 524254.22 | 4260200.3 | 0.01792 | 0.018666 | 0.01867 |
| 524269.22 | 4260200.3 | 0.024098 | 0.025114 | 0.02511 |
| 524134.22 | 4260215.3 | 0.003612 | 0.003746 | 0.00375 |
| 524149.22 | 4260215.3 | 0.004236 | 0.004396 | 0.00440 |
| 524164.22 | 4260215.3 | 0.005028 | 0.00522 | 0.00522 |
| 524179.22 | 4260215.3 | 0.006038 | 0.006274 | 0.00627 |
| 524194.22 | 4260215.3 | 0.007413 | 0.007707 | 0.00771 |
| 524209.22 | 4260215.3 | 0.009256 | 0.00963 | 0.00963 |
| 524224.22 | 4260215.3 | 0.011678 | 0.012157 | 0.01216 |
| 524239.22 | 4260215.3 | 0.014884 | 0.015501 | 0.01550 |
| 524254.22 | 4260215.3 | 0.01933 | 0.02014 | 0.02014 |
| 524269.22 | 4260215.3 | 0.025532 | 0.026613 | 0.02661 |
| 524134.22 | 4260230.3 | 0.004017 | 0.004172 | 0.00417 |
| 524149.22 | 4260230.3 | 0.004718 | 0.004902 | 0.00490 |
| 524164.22 | 4260230.3 | 0.00559 | 0.005809 | 0.00581 |
| 524179.22 | 4260230.3 | 0.00668 | 0.006945 | 0.00695 |
| 524194.22 | 4260230.3 | 0.008163 | 0.008493 | 0.00849 |
| 524209.22 | 4260230.3 | 0.010159 | 0.010575 | 0.01058 |
| 524224.22 | 4260230.3 | 0.012706 | 0.013233 | 0.01323 |
| 524239.22 | 4260230.3 | 0.01602 | 0.016691 | 0.01669 |
| 524254.22 | 4260230.3 | 0.020491 | 0.021355 | 0.02135 |
| 524269.22 | 4260230.3 | 0.026503 | 0.027629 | 0.02763 |
| 524134.22 | 4260245.3 | 0.004411 | 0.004585 | 0.00458 |
| 524149.22 | 4260245.3 | 0.005208 | 0.005415 | 0.00541 |
| 524164.22 | 4260245.3 | 0.00616 | 0.006406 | 0.00641 |
| 524179.22 | 4260245.3 | 0.0073 | 0.007596 | 0.00760 |
| 524194.22 | 4260245.3 | 0.008873 | 0.009235 | 0.00923 |
| 524209.22 | 4260245.3 | 0.010989 | 0.011443 | 0.01144 |
| 524224.22 | 4260245.3 | 0.013653 | 0.014222 | 0.01422 |
| 524239.22 | 4260245.3 | 0.01705 | 0.017768 | 0.01777 |
| 524254.22 | 4260245.3 | 0.021471 | 0.022381 | 0.02238 |
| 524269.22 | 4260245.3 | 0.02721 | 0.028368 | 0.02837 |
| 524134.22 | 4260260.3 | 0.004775 | 0.004966 | 0.00497 |
| 524149.22 | 4260260.3 | 0.005671 | 0.005899 | 0.00590 |
| 524164.22 | 4260260.3 | 0.006716 | 0.006989 | 0.00699 |
| 524179.22 | 4260260.3 | 0.007925 | 0.008249 | 0.00825 |
| 524194.22 | 4260260.3 | 0.009554 | 0.009949 | 0.00995 |
| 524209.22 | 4260260.3 | 0.011737 | 0.012227 | 0.01223 |
| 524224.22 | 4260260.3 | 0.014447 | 0.015054 | 0.01505 |
| 524239.22 | 4260260.3 | 0.017831 | 0.018584 | 0.01858 |
| 524254.22 | 4260260.3 | 0.022109 | 0.023048 | 0.02305 |
| 524269.22 | 4260260.3 | 0.027477 | 0.028649 | 0.02865 |
| 524134.22 | 4260275.3 | 0.004999 | 0.005201 | 0.00520 |
| 524149.22 | 4260275.3 | 0.006087 | 0.006334 | 0.00633 |
| 524164.22 | 4260275.3 | 0.007247 | 0.007545 | 0.00755 |
| 524179.22 | 4260275.3 | 0.008578 | 0.008932 | 0.00893 |
| 524194.22 | 4260275.3 | 0.010264 | 0.010692 | 0.01069 |
| 524209.22 | 4260275.3 | 0.012424 | 0.012945 | 0.01295 |
| 524224.22 | 4260275.3 | 0.015088 | 0.015725 | 0.01572 |
| 524239.22 | 4260275.3 | 0.01837 | 0.019148 | 0.01915 |
| 524254.22 | 4260275.3 | 0.02247 | 0.023426 | 0.02343 |
| 524269.22 | 4260275.3 | 0.027504 | 0.028678 | 0.02868 |
| 524134.22 | 4260290.3 | 0.005202 | 0.005415 | 0.00541 |
| 524149.22 | 4260290.3 | 0.006347 | 0.006608 | 0.00661 |
| 524164.22 | 4260290.3 | 0.007688 | 0.008007 | 0.00801 |
| 524179.22 | 4260290.3 | 0.009134 | 0.009514 | 0.00951 |
| 524194.22 | 4260290.3 | 0.010867 | 0.011322 | 0.01132 |
| 524209.22 | 4260290.3 | 0.012984 | 0.01353 | 0.01353 |
| 524224.22 | 4260290.3 | 0.015575 | 0.016234 | 0.01623 |
| 524239.22 | 4260290.3 | 0.018693 | 0.019487 | 0.01949 |
| 524254.22 | 4260290.3 | 0.022557 | 0.023519 | 0.02352 |
| 524269.22 | 4260290.3 | 0.027182 | 0.028344 | 0.02834 |
| 524134.22 | 4260305.3 | 0.005468 | 0.005694 | 0.00569 |
| 524149.22 | 4260305.3 | 0.006581 | 0.006853 | 0.00685 |
| 524164.22 | 4260305.3 | 0.008045 | 0.008381 | 0.00838 |
| 524179.22 | 4260305.3 | 0.009561 | 0.009961 | 0.00996 |
| 524194.22 | 4260305.3 | 0.011344 | 0.011821 | 0.01182 |
| 524209.22 | 4260305.3 | 0.013435 | 0.014002 | 0.01400 |
| 524224.22 | 4260305.3 | 0.01594 | 0.016617 | 0.01662 |
| 524239.22 | 4260305.3 | 0.0189 | 0.019705 | 0.01971 |
| 524254.22 | 4260305.3 | 0.022444 | 0.023403 | 0.02340 |
| 524269.22 | 4260305.3 | 0.026583 | 0.027721 | 0.02772 |
| 524134.22 | 4260320.3 | 0.005713 | 0.005949 | 0.00595 |
| 524149.22 | 4260320.3 | 0.00681 | 0.007094 | 0.00709 |
| 524164.22 | 4260320.3 | 0.008218 | 0.008562 | 0.00856 |
| 524179.22 | 4260320.3 | 0.009859 | 0.010273 | 0.01027 |
| 524194.22 | 4260320.3 | 0.011644 | 0.012136 | 0.01214 |
| 524209.22 | 4260320.3 | 0.013693 | 0.014272 | 0.01427 |
| 524224.22 | 4260320.3 | 0.016082 | 0.016765 | 0.01676 |
| 524239.22 | 4260320.3 | 0.018854 | 0.019657 | 0.01966 |
| 524254.22 | 4260320.3 | 0.022086 | 0.023031 | 0.02303 |
| 524269.22 | 4260320.3 | 0.025757 | 0.026861 | 0.02686 |
| 524134.22 | 4260335.3 | 0.005962 | 0.006211 | 0.00621 |
| 524149.22 | 4260335.3 | 0.007073 | 0.007369 | 0.00737 |
| 524164.22 | 4260335.3 | 0.008467 | 0.008823 | 0.00882 |
| 524179.22 | 4260335.3 | 0.010075 | 0.010499 | 0.01050 |
| 524194.22 | 4260335.3 | 0.011801 | 0.0123 | 0.01230 |
| 524209.22 | 4260335.3 | 0.01375 | 0.014333 | 0.01433 |
| 524224.22 | 4260335.3 | 0.015998 | 0.016679 | 0.01668 |
| 524239.22 | 4260335.3 | 0.018569 | 0.019361 | 0.01936 |
| 524254.22 | 4260335.3 | 0.021518 | 0.022437 | 0.02244 |
| 524269.22 | 4260335.3 | 0.024836 | 0.0259 | 0.02590 |
| 524134.22 | 4260350.3 | 0.006191 | 0.00645 | 0.00645 |
| 524149.22 | 4260350.3 | 0.007307 | 0.007614 | 0.00761 |
| 524164.22 | 4260350.3 | 0.008687 | 0.009052 | 0.00905 |
| 524179.22 | 4260350.3 | 0.010212 | 0.010644 | 0.01064 |
| 524194.22 | 4260350.3 | 0.011861 | 0.012364 | 0.01236 |
| 524209.22 | 4260350.3 | 0.013701 | 0.014284 | 0.01428 |
| 524224.22 | 4260350.3 | 0.015798 | 0.016472 | 0.01647 |
| 524239.22 | 4260350.3 | 0.018169 | 0.018945 | 0.01895 |
| 524254.22 | 4260350.3 | 0.020835 | 0.021727 | 0.02173 |
| 524269.22 | 4260350.3 | 0.023782 | 0.024802 | 0.02480 |
| 524204.65 | 4260012.52 | 0.002417 | 0.002434 | 0.00243 |
| 524203.43 | 4260005.01 | 0.002337 | 0.002355 | 0.00235 |
| 524204.65 | 4259997.73 | 0.002317 | 0.00234 | 0.00234 |
| 524204.4 | 4259988.28 | 0.002266 | 0.002292 | 0.00229 |
| 524189.13 | 4260004.28 | 0.002072 | 0.002065 | 0.00207 |
| 524189.37 | 4259993.85 | 0.002019 | 0.002016 | 0.00202 |
| 524190.83 | 4259982.7 | 0.002003 | 0.002005 | 0.00201 |
| 524246.78 | 4259946.49 | 0.003433 | 0.003539 | 0.00354 |
| 524255.34 | 4259929.66 | 0.003676 | 0.003797 | 0.00380 |
| 524250.49 | 4259937.65 | 0.003533 | 0.003646 | 0.00365 |
| 524232.52 | 4259935.94 | 0.002909 | 0.002988 | 0.00299 |
| 524220.54 | 4259937.94 | 0.002575 | 0.002634 | 0.00263 |
| 524212.55 | 4259949.92 | 0.002394 | 0.00244 | 0.00244 |
| 524206.28 | 4259957.62 | 0.002263 | 0.002297 | 0.00230 |
| 524199.43 | 4259957.05 | 0.002124 | 0.002145 | 0.00215 |
| 524188.31 | 4259954.48 | 0.001935 | 0.001932 | 0.00193 |
| 524196.86 | 4259946.49 | 0.002072 | 0.002088 | 0.00209 |
| 524203.71 | 4259947.63 | 0.002201 | 0.00223 | 0.00223 |
| 524199.43 | 4259934.8 | 0.002114 | 0.002135 | 0.00213 |
| 524206.56 | 4259925.1 | 0.002246 | 0.002279 | 0.00228 |
| 524213.12 | 4259917.68 | 0.002375 | 0.00242 | 0.00242 |
| 524241.93 | 4259920.25 | 0.003153 | 0.003248 | 0.00325 |
| 524215.97 | 4259907.7 | 0.002427 | 0.002476 | 0.00248 |
| 524221.11 | 4259892.3 | 0.002508 | 0.002564 | 0.00256 |
| 524238.79 | 4259898.86 | 0.002957 | 0.003042 | 0.00304 |
| 524238.79 | 4259907.98 | 0.003 | 0.003086 | 0.00309 |
| 524237.37 | 4259884.59 | 0.002853 | 0.002931 | 0.00293 |
| 524214.83 | 4259881.17 | 0.002364 | 0.002407 | 0.00241 |
| 524203.14 | 4259873.47 | 0.002159 | 0.00218 | 0.00218 |
| 524198.29 | 4259867.19 | 0.002085 | 0.002095 | 0.00210 |
| 524232.8 | 4259867.19 | 0.00267 | 0.002736 | 0.00274 |
| 524233.09 | 4259857.5 | 0.002632 | 0.002696 | 0.00270 |
| 524235.66 | 4259852.36 | 0.002659 | 0.002724 | 0.00272 |
| 524239.65 | 4259845.51 | 0.002699 | 0.002767 | 0.00277 |
| 524243.93 | 4259834.68 | 0.002715 | 0.002784 | 0.00278 |
| 524250.49 | 4259823.84 | 0.002754 | 0.002827 | 0.00283 |
| 524243.64 | 4259822.12 | 0.002626 | 0.00269 | 0.00269 |
| 524232.8 | 4259816.13 | 0.002413 | 0.00246 | 0.00246 |
| 524225.1 | 4259826.4 | 0.002354 | 0.002395 | 0.00239 |
| 524218.26 | 4259836.67 | 0.002302 | 0.002337 | 0.00234 |
| 524210.55 | 4259846.94 | 0.002217 | 0.002244 | 0.00224 |
| 524202 | 4259857.5 | 0.00212 | 0.002133 | 0.00213 |
| 524265.77 | 4259728.17 | 0.002161 | 0.002175 | 0.00217 |
| 524273.47 | 4259713.63 | 0.002133 | 0.002145 | 0.00214 |
| 524276.89 | 4259698.51 | 0.002075 | 0.002084 | 0.00208 |
| 524260.92 | 4259693.94 | 0.001988 | 0.001949 | 0.00199 |
| 524251.79 | 4259711.06 | 0.002025 | 0.001975 | 0.00203 |
| 524250.65 | 4259723.04 | 0.002055 | 0.002021 | 0.00205 |
| 524265.2 | 4259620.63 | 0.001776 | 0.001676 | 0.00178 |
| 524284.88 | 4259588.39 | 0.001703 | 0.001624 | 0.00170 |
| 524305.71 | 4259554.73 | 0.001694 | 0.001603 | 0.00169 |
| 524315.12 | 4259565 | 0.0017 | 0.001663 | 0.00170 |
| 524303.99 | 4259604.08 | 0.001779 | 0.00177 | 0.00178 |
| 524638.04 | 4260127.68 | 0.019948 | 0.02081 | 0.02081 |
| 524645.94 | 4260114.25 | 0.017288 | 0.018034 | 0.01803 |
| 524647.12 | 4260105.17 | 0.016586 | 0.017302 | 0.01730 |
| 524662.52 | 4260077.53 | 0.012483 | 0.013021 | 0.01302 |
| 524692.14 | 4260053.84 | 0.008575 | 0.008944 | 0.00894 |
| 524752.55 | 4260050.68 | 0.005675 | 0.005919 | 0.00592 |
| 524338.94 | 4260404.55 | 0.026818 | 0.027974 | 0.02797 |
| 524441.43 | 4260403.88 | 0.029273 | 0.030537 | 0.03054 |
| 524538.99 | 4260369.97 | 0.018658 | 0.019463 | 0.01946 |
| 524566.4 | 4260356.96 | 0.016742 | 0.017464 | 0.01746 |
| 524530.17 | 4260389.94 | 0.017856 | 0.018627 | 0.01863 |
| 524498.28 | 4260239.21 | 0.099512 | 0.103819 | 0.10382 |
| 524477.41 | 4260262.98 | 0.09694 | 0.101135 | 0.10114 |
| 524494.8 | 4260256.02 | 0.087743 | 0.09154 | 0.09154 |
| 524515.67 | 4260222.4 | 0.091768 | 0.09574 | 0.09574 |
| 524519.73 | 4260238.63 | 0.075102 | 0.078351 | 0.07835 |
| 524519.15 | 4260249.06 | 0.068718 | 0.071691 | 0.07169 |
| 524529 | 4260210.8 | 0.084645 | 0.088308 | 0.08831 |
| 524535.38 | 4260221.82 | 0.07189 | 0.075001 | 0.07500 |
| 524534.22 | 4260237.47 | 0.063636 | 0.06639 | 0.06639 |
| 524546.97 | 4260196.89 | 0.071407 | 0.074498 | 0.07450 |
| 524546.97 | 4260211.38 | 0.065843 | 0.068692 | 0.06869 |
| 524549.87 | 4260224.14 | 0.058428 | 0.060956 | 0.06096 |
| 524560.3 | 4260187.04 | 0.062259 | 0.064953 | 0.06495 |
| 524569 | 4260203.85 | 0.050769 | 0.052965 | 0.05296 |
| 524580.01 | 4260180.66 | 0.048671 | 0.050776 | 0.05078 |
| 524580.01 | 4260198.05 | 0.045577 | 0.047548 | 0.04755 |
| 524588.13 | 4260163.27 | 0.044955 | 0.046899 | 0.04690 |
| 524598.57 | 4260182.98 | 0.037659 | 0.039286 | 0.03929 |
| 524596.25 | 4260169.64 | 0.0395 | 0.041208 | 0.04121 |

## Oakmont Emerald Isle

**Tier IV**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

| **Construction Scheduling** | **2018** | | |
|---|---|---|---|
| | 8 | hours/day | |
| | 5 | days/week | |
| | 43 | weeks/year | *start from 3/1/2018 |
| | 1720 | hours/year | |

**Onsite Construction Area Source Size (m2):** 20898.3 from AERMOD

**Onsite Construction PM2.5 Emissions**

**2018**

| **Construction Activity** | **Onsite Annual DPM Exhaust Emissions (tons/year)** | **Onsite Annual DPM Exhaust Emissions (g/sec)** | **Onsite DPM Source Exhaust Emissions (g/m2-sec)** |
|---|---|---|---|
| Site Preparation | 1.600E-04 | 2.346E-05 | 1.123E-09 |
| Grading | 1.090E-03 | 1.598E-04 | 7.648E-09 |
| Underground Utilities | 8.200E-04 | 1.202E-04 | 5.754E-09 |
| Building Construction | 1.140E-02 | 1.672E-03 | 7.999E-08 |
| **Total** | **1.347E-02** | **1.975E-03** | **9.452E-08** |

**Offsite Construction Vehicle PM2.5 Emissions**

**2018**

| **Construction Activity** | **Offsite Hauling Annual DPM Exhaust Emissions (tons/year)** | **Offsite Vendor Annual DPM Exhaust Emissions (tons/year)** | **Offsite Workers Annual DPM Exhaust Emissions (tons/year)** | |
|---|---|---|---|---|
| Site Preparation | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| Grading | 3.310E-03 | 0.000E+00 | 2.000E-05 | |
| Underground Utilities | 0.000E+00 | 0.000E+00 | 2.000E-05 | |
| Building Construction | 0.000E+00 | 4.500E-04 | 5.800E-04 | |
| **Total (tons/year)** | **3.310E-03** | **4.500E-04** | **6.200E-04** | **4.380E-03** |
| **Trip Distance assumed in CalEEMod (mi)** | 20.0 | 7.3 | 10.8 | |
| **Offsite Project Trip Distance Along Roadway Segment** Project>RRBC>US101 (mi) | 0.77 | 0.77 | 0.77 | |
| **Offsite Project Emissions Along Roadway Segment** Project>RRBC>US101 (tons/year) | **1.277E-04** | **4.758E-05** | **4.431E-05** | |

| **Offsite Emissions Along Roadway Segment Analyzed** | |
|---|---|
| **Total Offsite Project Exhaust Emissions (tons/year)** | **2.196E-04** |
| **Total Offsite Project Exhaust Emissions (grams/sec)** | **3.220E-05** |

| | |
|---|---|
| **Onsite Exhaust Emissions (tons/year)** | **1.347E-02** |
| **Total Onsite Emissions (tons/year)** | **1.347E-02** |
| **Onsite Exhaust Emissions (g/m2-sec)** | **9.452E-08** |

| | |
|---|---|
| **Total PM@2.5 Exhaust (tons/year)** | 1.369E-02 |

## Oakmont Emerald Isle

**Tier IV**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Construction Scheduling** **2019**

8 hours/day
5 days/week **end at May 3, 2019
17 weeks/year
680 hours/year

**Onsite Construction Area Source Size (m2):** 20898.30

**Onsite Construction PM2.5 Emissions**

| 2019 | Onsite | Onsite | Onsite DPM |
|---|---|---|---|
| **Construction Activity** | **Annual DPM Exhaust Emissions (tons/year)** | **Annual DPM Exhaust Emissions (g/sec)** | **Source Exhaust Emissions (g/m2-sec)** |
| Building Construction | 5.430E-03 | 2.014E-03 | 9.637E-08 |
| Paving | 4.600E-04 | 1.706E-04 | 8.164E-09 |
| Architectural Coating | 4.000E-05 | 1.484E-05 | 7.099E-10 |
| **Total** | **5.930E-03** | **2.200E-03** | **1.052E-07** |

**Offsite Construction Vehicle PM2.5 Emissions**

| 2019 | Offsite Hauling | Offsite Vendor | Offsite Workers | |
|---|---|---|---|---|
| | **Annual DPM** | **Annual DPM** | **Annual DPM** | |
| **Construction Activity** | **Exhaust Emissions** | **Exhaust Emissions** | **Exhaust Emissions** | |
| | **(tons/year)** | **(tons/year)** | **(tons/year)** | |
| Building Construction | 0.000E+00 | 1.900E-04 | 2.900E-04 | |
| Paving | 0.000E+00 | 0.000E+00 | 2.000E-05 | |
| Architectural Coating | 0.000E+00 | 0.000E+00 | 7.000E-05 | |
| **Total (tons/year)** | **0.000E+00** | **1.900E-04** | **3.800E-04** | **5.700E-04** |
| Trip Distance assumed in CalEEMod (mi) | 20.0 | 7.3 | 10.8 | |
| Offsite Project Trip Distance Project>Dry Creek Road>US101 (mi) | 0.77 | 0.77 | 0.77 | |
| **Offsite Project Emissions** Project>Dry Creek Rd>US101 (tons/year) | **0.000E+00** | **2.009E-05** | **2.716E-05** | |

| | |
|---|---|
| **Emissions Along Roadway Segment** | |
| **Offsite Project Exhaust Emissions (tons/year)** | **4.724E-05** |
| **Offsite Project Exhaust Emissions (grams/sec)** | **1.752E-05** |
| **Offsite Project Fugitive Emissions (tons/year)** | **0.000E+00** |
| **Offsite Project Fugitive Emissions (grams/sec)** | **0.000E+00** |

| | |
|---|---|
| **Onsite Exhaust Emissions (tons/year)** | **5.930E-03** |
| **Total Onsite Emissions (tons/year)** | **5.930E-03** |
| **Onsite Exhaust Emissions (g/m2-sec)** | **1.052E-07** |

| | |
|---|---|
| **Total PM@2.5 Exhaust (tons/year)** | 5.977E-03 |
| **Total PM2.5 (tons/year)** | **5.977E-03** |

# Oakmont Emerald Isle

**2018** **Tier IV** **At Sensitive Receptors**

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Annual Average Onsite DPM Exhaust Emission Rate:** 9.45174E-08
**Annual Average Offsite DPM Exhaust Emission Rate:** 3.22045E-05

| X (m) | Y (m) | Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Total DPM (ug/m3) |
|---|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.21757 | 0.00021 | 0.00066 | 2.12550E-04 | 0.00042 |
| 524149.22 | 4260065.3 | 0.24485 | 0.00023 | 0.00092 | 2.96282E-04 | 0.00053 |
| 524164.22 | 4260065.3 | 0.27751 | 0.00026 | 0.00099 | 3.18825E-04 | 0.00058 |
| 524179.22 | 4260065.3 | 0.3173 | 0.00030 | 0.00099 | 3.18825E-04 | 0.00062 |
| 524194.22 | 4260065.3 | 0.36632 | 0.00035 | 0.00101 | 3.25266E-04 | 0.00067 |
| 524209.22 | 4260065.3 | 0.428 | 0.00040 | 0.00104 | 3.34927E-04 | 0.00074 |
| 524224.22 | 4260065.3 | 0.50755 | 0.00048 | 0.00108 | 3.47809E-04 | 0.00083 |
| 524239.22 | 4260065.3 | 0.61335 | 0.00058 | 0.00113 | 3.63911E-04 | 0.00094 |
| 524254.22 | 4260065.3 | 0.75734 | 0.00072 | 0.00119 | 3.83234E-04 | 0.00110 |
| 524269.22 | 4260065.3 | 0.95864 | 0.00091 | 0.00126 | 4.05777E-04 | 0.00131 |
| 524134.22 | 4260080.3 | 0.23428 | 0.00022 | 0.00053 | 1.70684E-04 | 0.00039 |
| 524149.22 | 4260080.3 | 0.26466 | 0.00025 | 0.00067 | 2.15770E-04 | 0.00047 |
| 524164.22 | 4260080.3 | 0.3012 | 0.00028 | 0.00074 | 2.38313E-04 | 0.00052 |
| 524179.22 | 4260080.3 | 0.34591 | 0.00033 | 0.00075 | 2.41534E-04 | 0.00057 |
| 524194.22 | 4260080.3 | 0.40157 | 0.00038 | 0.00075 | 2.41534E-04 | 0.00062 |
| 524209.22 | 4260080.3 | 0.47231 | 0.00045 | 0.00075 | 2.41534E-04 | 0.00069 |
| 524224.22 | 4260080.3 | 0.56376 | 0.00053 | 0.00076 | 2.44754E-04 | 0.00078 |
| 524239.22 | 4260080.3 | 0.68592 | 0.00065 | 0.00078 | 2.51195E-04 | 0.00090 |
| 524254.22 | 4260080.3 | 0.85432 | 0.00081 | 0.00080 | 2.57636E-04 | 0.00107 |
| 524269.22 | 4260080.3 | 1.09449 | 0.00103 | 0.00084 | 2.70518E-04 | 0.00131 |
| 524134.22 | 4260095.3 | 0.25205 | 0.00024 | 0.00044 | 1.41700E-04 | 0.00038 |
| 524149.22 | 4260095.3 | 0.28615 | 0.00027 | 0.00054 | 1.73904E-04 | 0.00044 |
| 524164.22 | 4260095.3 | 0.3277 | 0.00031 | 0.00059 | 1.90007E-04 | 0.00050 |
| 524179.22 | 4260095.3 | 0.37935 | 0.00036 | 0.00060 | 1.93227E-04 | 0.00055 |
| 524194.22 | 4260095.3 | 0.44405 | 0.00042 | 0.00060 | 1.93227E-04 | 0.00061 |
| 524209.22 | 4260095.3 | 0.52689 | 0.00050 | 0.00059 | 1.90007E-04 | 0.00069 |
| 524224.22 | 4260095.3 | 0.63499 | 0.00060 | 0.00059 | 1.90007E-04 | 0.00079 |
| 524239.22 | 4260095.3 | 0.78033 | 0.00074 | 0.00060 | 1.93227E-04 | 0.00093 |
| 524254.22 | 4260095.3 | 0.98282 | 0.00093 | 0.00060 | 1.93227E-04 | 0.00112 |
| 524269.22 | 4260095.3 | 1.27749 | 0.00121 | 0.00061 | 1.96448E-04 | 0.00140 |
| 524134.22 | 4260110.3 | 0.27129 | 0.00026 | 0.00035 | 1.12716E-04 | 0.00037 |
| 524149.22 | 4260110.3 | 0.30966 | 0.00029 | 0.00042 | 1.35259E-04 | 0.00043 |
| 524164.22 | 4260110.3 | 0.35784 | 0.00034 | 0.00047 | 1.51361E-04 | 0.00049 |
| 524179.22 | 4260110.3 | 0.418 | 0.00040 | 0.00049 | 1.57802E-04 | 0.00055 |
| 524194.22 | 4260110.3 | 0.49461 | 0.00047 | 0.00049 | 1.57802E-04 | 0.00063 |
| 524209.22 | 4260110.3 | 0.59345 | 0.00056 | 0.00048 | 1.54582E-04 | 0.00072 |
| 524224.22 | 4260110.3 | 0.72351 | 0.00068 | 0.00048 | 1.54582E-04 | 0.00084 |
| 524239.22 | 4260110.3 | 0.90031 | 0.00085 | 0.00048 | 1.54582E-04 | 0.00101 |
| 524254.22 | 4260110.3 | 1.14882 | 0.00109 | 0.00048 | 1.54582E-04 | 0.00124 |
| 524269.22 | 4260110.3 | 1.51209 | 0.00143 | 0.00048 | 1.54582E-04 | 0.00158 |
| 524134.22 | 4260125.3 | 0.29185 | 0.00028 | 0.00029 | 9.33931E-05 | 0.00037 |
| 524149.22 | 4260125.3 | 0.33572 | 0.00032 | 0.00034 | 1.09495E-04 | 0.00043 |
| 524164.22 | 4260125.3 | 0.391 | 0.00037 | 0.00038 | 1.22377E-04 | 0.00049 |
| 524179.22 | 4260125.3 | 0.46144 | 0.00044 | 0.00040 | 1.28818E-04 | 0.00056 |
| 524194.22 | 4260125.3 | 0.55233 | 0.00052 | 0.00040 | 1.28818E-04 | 0.00065 |
| 524209.22 | 4260125.3 | 0.67098 | 0.00063 | 0.00040 | 1.28818E-04 | 0.00076 |
| 524224.22 | 4260125.3 | 0.82823 | 0.00078 | 0.00040 | 1.28818E-04 | 0.00091 |
| 524239.22 | 4260125.3 | 1.04426 | 0.00099 | 0.00040 | 1.28818E-04 | 0.00112 |
| 524254.22 | 4260125.3 | 1.34996 | 0.00128 | 0.00040 | 1.28818E-04 | 0.00140 |
| 524269.22 | 4260125.3 | 1.79972 | 0.00170 | 0.00040 | 1.28818E-04 | 0.00183 |
| 524134.22 | 4260140.3 | 0.31406 | 0.00030 | 0.00024 | 7.72908E-05 | 0.00037 |
| 524149.22 | 4260140.3 | 0.36374 | 0.00034 | 0.00028 | 9.01726E-05 | 0.00043 |
| 524164.22 | 4260140.3 | 0.42771 | 0.00040 | 0.00031 | 9.98340E-05 | 0.00050 |
| 524179.22 | 4260140.3 | 0.50983 | 0.00048 | 0.00033 | 1.06275E-04 | 0.00059 |
| 524194.22 | 4260140.3 | 0.61661 | 0.00058 | 0.00034 | 1.09495E-04 | 0.00069 |
| 524209.22 | 4260140.3 | 0.75814 | 0.00072 | 0.00034 | 1.09495E-04 | 0.00083 |
| 524224.22 | 4260140.3 | 0.9479 | 0.00090 | 0.00034 | 1.09495E-04 | 0.00101 |
| 524239.22 | 4260140.3 | 1.21063 | 0.00114 | 0.00034 | 1.09495E-04 | 0.00125 |
| 524254.22 | 4260140.3 | 1.58271 | 0.00150 | 0.00034 | 1.09495E-04 | 0.00161 |
| 524269.22 | 4260140.3 | 2.13206 | 0.00202 | 0.00033 | 1.06275E-04 | 0.00212 |
| 524134.22 | 4260155.3 | 0.33839 | 0.00032 | 0.00021 | 6.76295E-05 | 0.00039 |
| 524149.22 | 4260155.3 | 0.39363 | 0.00037 | 0.00023 | 7.40704E-05 | 0.00045 |
| 524164.22 | 4260155.3 | 0.46649 | 0.00044 | 0.00026 | 8.37317E-05 | 0.00052 |
| 524179.22 | 4260155.3 | 0.5619 | 0.00053 | 0.00027 | 8.69522E-05 | 0.00062 |
| 524194.22 | 4260155.3 | 0.68411 | 0.00065 | 0.00028 | 9.01726E-05 | 0.00074 |
| 524209.22 | 4260155.3 | 0.84649 | 0.00080 | 0.00029 | 9.33931E-05 | 0.00089 |
| 524224.22 | 4260155.3 | 1.07098 | 0.00101 | 0.00029 | 9.33931E-05 | 0.00111 |
| 524239.22 | 4260155.3 | 1.38626 | 0.00131 | 0.00029 | 9.33931E-05 | 0.00140 |
| 524254.22 | 4260155.3 | 1.83195 | 0.00173 | 0.00029 | 9.33931E-05 | 0.00182 |
| 524269.22 | 4260155.3 | 2.48712 | 0.00235 | 0.00028 | 9.01726E-05 | 0.00244 |
| 524134.22 | 4260170.3 | 0.36692 | 0.00035 | 0.00018 | 5.79681E-05 | 0.00040 |
| 524149.22 | 4260170.3 | 0.42859 | 0.00041 | 0.00020 | 6.44090E-05 | 0.00047 |
| 524164.22 | 4260170.3 | 0.51067 | 0.00048 | 0.00022 | 7.08499E-05 | 0.00055 |
| 524179.22 | 4260170.3 | 0.61926 | 0.00059 | 0.00023 | 7.40704E-05 | 0.00066 |
| 524194.22 | 4260170.3 | 0.75885 | 0.00072 | 0.00024 | 7.72908E-05 | 0.00079 |
| 524209.22 | 4260170.3 | 0.94274 | 0.00089 | 0.00025 | 8.05113E-05 | 0.00097 |
| 524224.22 | 4260170.3 | 1.20257 | 0.00114 | 0.00025 | 8.05113E-05 | 0.00122 |
| 524239.22 | 4260170.3 | 1.56904 | 0.00148 | 0.00025 | 8.05113E-05 | 0.00156 |
| 524254.22 | 4260170.3 | 2.08643 | 0.00197 | 0.00025 | 8.05113E-05 | 0.00205 |
| 524269.22 | 4260170.3 | 2.8445 | 0.00269 | 0.00024 | 7.72908E-05 | 0.00277 |
| 524134.22 | 4260185.3 | 0.4053 | 0.00038 | 0.00016 | 5.15272E-05 | 0.00043 |
| 524149.22 | 4260185.3 | 0.47478 | 0.00045 | 0.00018 | 5.79681E-05 | 0.00051 |
| 524164.22 | 4260185.3 | 0.56596 | 0.00053 | 0.00019 | 6.11886E-05 | 0.00060 |
| 524179.22 | 4260185.3 | 0.6854 | 0.00065 | 0.00020 | 6.44090E-05 | 0.00071 |
| 524194.22 | 4260185.3 | 0.84389 | 0.00080 | 0.00021 | 6.76295E-05 | 0.00087 |
| 524209.22 | 4260185.3 | 1.05598 | 0.00100 | 0.00021 | 6.76295E-05 | 0.00107 |
| 524224.22 | 4260185.3 | 1.34529 | 0.00127 | 0.00022 | 7.08499E-05 | 0.00134 |
| 524239.22 | 4260185.3 | 1.7506 | 0.00165 | 0.00022 | 7.08499E-05 | 0.00173 |
| 524254.22 | 4260185.3 | 2.32158 | 0.00219 | 0.00021 | 6.76295E-05 | 0.00226 |
| 524269.22 | 4260185.3 | 3.15415 | 0.00298 | 0.00021 | 6.76295E-05 | 0.00305 |
| 524134.22 | 4260200.3 | 0.45017 | 0.00043 | 0.00015 | 4.83068E-05 | 0.00047 |
| 524149.22 | 4260200.3 | 0.52905 | 0.00050 | 0.00016 | 5.15272E-05 | 0.00055 |
| 524164.22 | 4260200.3 | 0.62984 | 0.00060 | 0.00017 | 5.47477E-05 | 0.00065 |
| 524179.22 | 4260200.3 | 0.75995 | 0.00072 | 0.00018 | 5.79681E-05 | 0.00078 |
| 524194.22 | 4260200.3 | 0.93641 | 0.00089 | 0.00019 | 6.11886E-05 | 0.00095 |
| 524209.22 | 4260200.3 | 1.17623 | 0.00111 | 0.00019 | 6.11886E-05 | 0.00117 |
| 524224.22 | 4260200.3 | 1.49381 | 0.00141 | 0.00019 | 6.11886E-05 | 0.00147 |
| 524239.22 | 4260200.3 | 1.9286 | 0.00182 | 0.00019 | 6.11886E-05 | 0.00188 |
| 524254.22 | 4260200.3 | 2.5383 | 0.00240 | 0.00019 | 6.11886E-05 | 0.00246 |
| 524269.22 | 4260200.3 | 3.41685 | 0.00323 | 0.00018 | 5.79681E-05 | 0.00329 |
| 524134.22 | 4260215.3 | 0.50696 | 0.00048 | 0.00014 | 4.50863E-05 | 0.00052 |
| 524149.22 | 4260215.3 | 0.59524 | 0.00056 | 0.00015 | 4.83068E-05 | 0.00061 |
| 524164.22 | 4260215.3 | 0.70733 | 0.00067 | 0.00016 | 5.15272E-05 | 0.00072 |
| 524179.22 | 4260215.3 | 0.85081 | 0.00080 | 0.00016 | 5.15272E-05 | 0.00086 |
| 524194.22 | 4260215.3 | 1.04578 | 0.00099 | 0.00017 | 5.47477E-05 | 0.00104 |
| 524209.22 | 4260215.3 | 1.30779 | 0.00124 | 0.00017 | 5.47477E-05 | 0.00129 |
| 524224.22 | 4260215.3 | 1.65196 | 0.00156 | 0.00017 | 5.47477E-05 | 0.00162 |
| 524239.22 | 4260215.3 | 2.10761 | 0.00199 | 0.00017 | 5.47477E-05 | 0.00205 |
| 524254.22 | 4260215.3 | 2.73953 | 0.00259 | 0.00017 | 5.47477E-05 | 0.00264 |
| 524269.22 | 4260215.3 | 3.62148 | 0.00342 | 0.00016 | 5.15272E-05 | 0.00347 |
| 524134.22 | 4260230.3 | 0.56541 | 0.00053 | 0.00012 | 3.86454E-05 | 0.00057 |
| 524149.22 | 4260230.3 | 0.66468 | 0.00063 | 0.00013 | 4.18659E-05 | 0.00067 |
| 524164.22 | 4260230.3 | 0.78803 | 0.00074 | 0.00014 | 4.50863E-05 | 0.00079 |
| 524179.22 | 4260230.3 | 0.94253 | 0.00089 | 0.00015 | 4.83068E-05 | 0.00094 |
| 524194.22 | 4260230.3 | 1.15338 | 0.00109 | 0.00015 | 4.83068E-05 | 0.00114 |
| 524209.22 | 4260230.3 | 1.43703 | 0.00136 | 0.00015 | 4.83068E-05 | 0.00141 |
| 524224.22 | 4260230.3 | 1.7991 | 0.00170 | 0.00015 | 4.83068E-05 | 0.00175 |
| 524239.22 | 4260230.3 | 2.27011 | 0.00215 | 0.00015 | 4.83068E-05 | 0.00219 |
| 524254.22 | 4260230.3 | 2.90549 | 0.00275 | 0.00015 | 4.83068E-05 | 0.00279 |
| 524269.22 | 4260230.3 | 3.76042 | 0.00355 | 0.00014 | 4.50863E-05 | 0.00360 |
| 524134.22 | 4260245.3 | 0.62194 | 0.00059 | 0.00011 | 3.54250E-05 | 0.00062 |
| 524149.22 | 4260245.3 | 0.73478 | 0.00069 | 0.00012 | 3.86454E-05 | 0.00073 |
| 524164.22 | 4260245.3 | 0.86958 | 0.00082 | 0.00013 | 4.18659E-05 | 0.00086 |
| 524179.22 | 4260245.3 | 1.03166 | 0.00098 | 0.00013 | 4.18659E-05 | 0.00102 |
| 524194.22 | 4260245.3 | 1.25467 | 0.00119 | 0.00014 | 4.50863E-05 | 0.00123 |
| 524209.22 | 4260245.3 | 1.55549 | 0.00147 | 0.00014 | 4.50863E-05 | 0.00152 |
| 524224.22 | 4260245.3 | 1.93407 | 0.00183 | 0.00014 | 4.50863E-05 | 0.00187 |
| 524239.22 | 4260245.3 | 2.41734 | 0.00228 | 0.00013 | 4.18659E-05 | 0.00233 |
| 524254.22 | 4260245.3 | 3.04572 | 0.00288 | 0.00013 | 4.18659E-05 | 0.00292 |
| 524269.22 | 4260245.3 | 3.86134 | 0.00365 | 0.00013 | 4.18659E-05 | 0.00369 |
| 524134.22 | 4260260.3 | 0.67408 | 0.00064 | 0.00010 | 3.22045E-05 | 0.00067 |
| 524149.22 | 4260260.3 | 0.80097 | 0.00076 | 0.00011 | 3.54250E-05 | 0.00079 |
| 524164.22 | 4260260.3 | 0.94951 | 0.00090 | 0.00011 | 3.54250E-05 | 0.00093 |
| 524179.22 | 4260260.3 | 1.12084 | 0.00106 | 0.00012 | 3.86454E-05 | 0.00110 |
| 524194.22 | 4260260.3 | 1.35248 | 0.00128 | 0.00012 | 3.86454E-05 | 0.00132 |
| 524209.22 | 4260260.3 | 1.66274 | 0.00157 | 0.00012 | 3.86454E-05 | 0.00161 |
| 524224.22 | 4260260.3 | 2.04791 | 0.00194 | 0.00012 | 3.86454E-05 | 0.00197 |
| 524239.22 | 4260260.3 | 2.52877 | 0.00239 | 0.00012 | 3.86454E-05 | 0.00243 |
| 524254.22 | 4260260.3 | 3.13684 | 0.00296 | 0.00012 | 3.86454E-05 | 0.00300 |
| 524269.22 | 4260260.3 | 3.89985 | 0.00369 | 0.00012 | 3.86454E-05 | 0.00372 |
| 524134.22 | 4260275.3 | 0.70639 | 0.00067 | 0.00009 | 2.89841E-05 | 0.00070 |
| 524149.22 | 4260275.3 | 0.8605 | 0.00081 | 0.00010 | 3.22045E-05 | 0.00085 |
| 524164.22 | 4260275.3 | 1.02545 | 0.00097 | 0.00010 | 3.22045E-05 | 0.00100 |
| 524179.22 | 4260275.3 | 1.21412 | 0.00115 | 0.00011 | 3.54250E-05 | 0.00118 |
| 524194.22 | 4260275.3 | 1.45385 | 0.00137 | 0.00011 | 3.54250E-05 | 0.00141 |
| 524209.22 | 4260275.3 | 1.76083 | 0.00166 | 0.00011 | 3.54250E-05 | 0.00170 |
| 524224.22 | 4260275.3 | 2.13949 | 0.00202 | 0.00011 | 3.54250E-05 | 0.00206 |
| 524239.22 | 4260275.3 | 2.60587 | 0.00246 | 0.00011 | 3.54250E-05 | 0.00250 |
| 524254.22 | 4260275.3 | 3.1886 | 0.00301 | 0.00011 | 3.54250E-05 | 0.00305 |
| 524269.22 | 4260275.3 | 3.90406 | 0.00369 | 0.00011 | 3.54250E-05 | 0.00373 |
| 524134.22 | 4260290.3 | 0.73573 | 0.00070 | 0.00008 | 2.57636E-05 | 0.00072 |
| 524149.22 | 4260290.3 | 0.89797 | 0.00085 | 0.00009 | 2.89841E-05 | 0.00088 |
| 524164.22 | 4260290.3 | 1.08855 | 0.00103 | 0.00009 | 2.89841E-05 | 0.00106 |
| 524179.22 | 4260290.3 | 1.29367 | 0.00122 | 0.00010 | 3.22045E-05 | 0.00125 |
| 524194.22 | 4260290.3 | 1.53994 | 0.00146 | 0.00010 | 3.22045E-05 | 0.00149 |
| 524209.22 | 4260290.3 | 1.84078 | 0.00174 | 0.00010 | 3.22045E-05 | 0.00177 |
| 524224.22 | 4260290.3 | 2.20907 | 0.00209 | 0.00010 | 3.22045E-05 | 0.00212 |
| 524239.22 | 4260290.3 | 2.65222 | 0.00251 | 0.00010 | 3.22045E-05 | 0.00254 |
| 524254.22 | 4260290.3 | 3.2015 | 0.00303 | 0.00010 | 3.22045E-05 | 0.00306 |
| 524269.22 | 4260290.3 | 3.85874 | 0.00365 | 0.00010 | 3.22045E-05 | 0.00368 |
| 524134.22 | 4260305.3 | 0.77393 | 0.00073 | 0.00007 | 2.25432E-05 | 0.00075 |
| 524149.22 | 4260305.3 | 0.93169 | 0.00088 | 0.00008 | 2.57636E-05 | 0.00091 |
| 524164.22 | 4260305.3 | 1.13973 | 0.00108 | 0.00008 | 2.57636E-05 | 0.00110 |
| 524179.22 | 4260305.3 | 1.35485 | 0.00128 | 0.00009 | 2.89841E-05 | 0.00131 |
| 524194.22 | 4260305.3 | 1.60817 | 0.00152 | 0.00009 | 2.89841E-05 | 0.00155 |
| 524209.22 | 4260305.3 | 1.90533 | 0.00180 | 0.00009 | 2.89841E-05 | 0.00183 |
| 524224.22 | 4260305.3 | 2.2615 | 0.00214 | 0.00009 | 2.89841E-05 | 0.00217 |
| 524239.22 | 4260305.3 | 2.6822 | 0.00254 | 0.00009 | 2.89841E-05 | 0.00256 |
| 524254.22 | 4260305.3 | 3.18586 | 0.00301 | 0.00009 | 2.89841E-05 | 0.00304 |
| 524269.22 | 4260305.3 | 3.77418 | 0.00357 | 0.00009 | 2.89841E-05 | 0.00360 |
| 524134.22 | 4260320.3 | 0.80873 | 0.00076 | 0.00007 | 2.25432E-05 | 0.00079 |
| 524149.22 | 4260320.3 | 0.96475 | 0.00091 | 0.00007 | 2.25432E-05 | 0.00093 |
| 524164.22 | 4260320.3 | 1.16443 | 0.00110 | 0.00008 | 2.57636E-05 | 0.00113 |
| 524179.22 | 4260320.3 | 1.39759 | 0.00132 | 0.00008 | 2.57636E-05 | 0.00135 |
| 524194.22 | 4260320.3 | 1.65125 | 0.00156 | 0.00008 | 2.57636E-05 | 0.00159 |
| 524209.22 | 4260320.3 | 1.94208 | 0.00184 | 0.00009 | 2.89841E-05 | 0.00186 |
| 524224.22 | 4260320.3 | 2.28161 | 0.00216 | 0.00009 | 2.89841E-05 | 0.00219 |
| 524239.22 | 4260320.3 | 2.6756 | 0.00253 | 0.00009 | 2.89841E-05 | 0.00256 |
| 524254.22 | 4260320.3 | 3.13548 | 0.00296 | 0.00008 | 2.57636E-05 | 0.00299 |
| 524269.22 | 4260320.3 | 3.65724 | 0.00346 | 0.00008 | 2.57636E-05 | 0.00348 |
| 524134.22 | 4260335.3 | 0.84466 | 0.00080 | 0.00006 | 1.93227E-05 | 0.00082 |
| 524149.22 | 4260335.3 | 1.00213 | 0.00095 | 0.00007 | 2.25432E-05 | 0.00097 |
| 524164.22 | 4260335.3 | 1.20024 | 0.00113 | 0.00007 | 2.25432E-05 | 0.00116 |
| 524179.22 | 4260335.3 | 1.42832 | 0.00135 | 0.00008 | 2.57636E-05 | 0.00138 |
| 524194.22 | 4260335.3 | 1.67364 | 0.00158 | 0.00008 | 2.57636E-05 | 0.00161 |
| 524209.22 | 4260335.3 | 1.95057 | 0.00184 | 0.00008 | 2.57636E-05 | 0.00187 |
| 524224.22 | 4260335.3 | 2.27019 | 0.00215 | 0.00008 | 2.57636E-05 | 0.00217 |
| 524239.22 | 4260335.3 | 2.63556 | 0.00249 | 0.00008 | 2.57636E-05 | 0.00252 |
| 524254.22 | 4260335.3 | 3.05462 | 0.00289 | 0.00008 | 2.57636E-05 | 0.00291 |
| 524269.22 | 4260335.3 | 3.52627 | 0.00333 | 0.00008 | 2.57636E-05 | 0.00336 |
| 524134.22 | 4260350.3 | 0.8772 | 0.00083 | 0.00006 | 1.93227E-05 | 0.00085 |
| 524149.22 | 4260350.3 | 1.03577 | 0.00098 | 0.00006 | 1.93227E-05 | 0.00100 |
| 524164.22 | 4260350.3 | 1.23145 | 0.00116 | 0.00007 | 2.25432E-05 | 0.00119 |
| 524179.22 | 4260350.3 | 1.44828 | 0.00137 | 0.00007 | 2.25432E-05 | 0.00139 |
| 524194.22 | 4260350.3 | 1.68257 | 0.00159 | 0.00007 | 2.25432E-05 | 0.00161 |
| 524209.22 | 4260350.3 | 1.94417 | 0.00184 | 0.00007 | 2.25432E-05 | 0.00186 |
| 524224.22 | 4260350.3 | 2.24221 | 0.00212 | 0.00007 | 2.25432E-05 | 0.00214 |
| 524239.22 | 4260350.3 | 2.57914 | 0.00244 | 0.00007 | 2.25432E-05 | 0.00246 |
| 524254.22 | 4260350.3 | 2.95805 | 0.00280 | 0.00007 | 2.25432E-05 | 0.00282 |
| 524269.22 | 4260350.3 | 3.37698 | 0.00319 | 0.00007 | 2.25432E-05 | 0.00321 |
| 524204.65 | 4260012.52 | 0.31841 | 0.00030 | 0.00055 | 1.77125E-04 | 0.00048 |
| 524203.43 | 4260005.01 | 0.30836 | 0.00029 | 0.00052 | 1.67463E-04 | 0.00046 |
| 524204.65 | 4259997.73 | 0.3073 | 0.00029 | 0.00048 | 1.54582E-04 | 0.00045 |
| 524204.4 | 4259988.28 | 0.30147 | 0.00028 | 0.00045 | 1.44920E-04 | 0.00043 |
| 524189.13 | 4260004.28 | 0.26697 | 0.00025 | 0.00060 | 1.93227E-04 | 0.00045 |
| 524189.37 | 4259993.85 | 0.26126 | 0.00025 | 0.00056 | 1.80345E-04 | 0.00043 |
| 524190.83 | 4259982.7 | 0.26049 | 0.00025 | 0.00053 | 1.70684E-04 | 0.00042 |
| 524246.78 | 4259946.49 | 0.47596 | 0.00045 | 0.00026 | 8.37317E-05 | 0.00053 |
| 524255.34 | 4259929.66 | 0.51151 | 0.00048 | 0.00024 | 7.72908E-05 | 0.00056 |
| 524250.49 | 4259937.65 | 0.49065 | 0.00046 | 0.00025 | 8.05113E-05 | 0.00054 |
| 524232.52 | 4259935.94 | 0.40012 | 0.00038 | 0.00029 | 9.33931E-05 | 0.00047 |
| 524220.54 | 4259937.94 | 0.35094 | 0.00033 | 0.00033 | 1.06275E-04 | 0.00044 |
| 524212.55 | 4259949.92 | 0.32376 | 0.00031 | 0.00036 | 1.15936E-04 | 0.00042 |
| 524206.28 | 4259957.62 | 0.30335 | 0.00029 | 0.00040 | 1.28818E-04 | 0.00042 |
| 524199.43 | 4259957.05 | 0.2817 | 0.00027 | 0.00044 | 1.41700E-04 | 0.00041 |
| 524188.31 | 4259954.48 | 0.25028 | 0.00024 | 0.00054 | 1.73904E-04 | 0.00041 |
| 524196.86 | 4259946.49 | 0.27341 | 0.00026 | 0.00046 | 1.48141E-04 | 0.00041 |
| 524203.71 | 4259947.63 | 0.29404 | 0.00028 | 0.00041 | 1.32039E-04 | 0.00041 |
| 524199.43 | 4259934.8 | 0.28033 | 0.00026 | 0.00044 | 1.41700E-04 | 0.00041 |
| 524206.56 | 4259925.1 | 0.30091 | 0.00028 | 0.00040 | 1.28818E-04 | 0.00041 |
| 524213.12 | 4259917.68 | 0.32103 | 0.00030 | 0.00036 | 1.15936E-04 | 0.00042 |
| 524241.93 | 4259920.25 | 0.43619 | 0.00041 | 0.00026 | 8.37317E-05 | 0.00050 |
| 524215.97 | 4259907.7 | 0.32888 | 0.00031 | 0.00035 | 1.12716E-04 | 0.00042 |
| 524221.11 | 4259892.3 | 0.34142 | 0.00032 | 0.00033 | 1.06275E-04 | 0.00043 |
| 524238.79 | 4259898.86 | 0.40795 | 0.00039 | 0.00027 | 8.69522E-05 | 0.00047 |
| 524238.79 | 4259907.98 | 0.41397 | 0.00039 | 0.00027 | 8.69522E-05 | 0.00048 |
| 524237.37 | 4259884.59 | 0.39264 | 0.00037 | 0.00028 | 9.01726E-05 | 0.00046 |
| 524214.83 | 4259881.17 | 0.31909 | 0.00030 | 0.00037 | 1.19157E-04 | 0.00042 |
| 524203.14 | 4259873.47 | 0.28624 | 0.00027 | 0.00045 | 1.44920E-04 | 0.00042 |
| 524198.29 | 4259867.19 | 0.27347 | 0.00026 | 0.00050 | 1.61023E-04 | 0.00042 |
| 524232.8 | 4259867.19 | 0.36531 | 0.00035 | 0.00031 | 9.98340E-05 | 0.00045 |
| 524233.09 | 4259857.5 | 0.35986 | 0.00034 | 0.00031 | 9.98340E-05 | 0.00044 |
| 524235.66 | 4259852.36 | 0.36372 | 0.00034 | 0.00031 | 9.98340E-05 | 0.00044 |
| 524239.65 | 4259845.51 | 0.36981 | 0.00035 | 0.00030 | 9.66135E-05 | 0.00045 |
| 524243.93 | 4259834.68 | 0.37212 | 0.00035 | 0.00030 | 9.66135E-05 | 0.00045 |
| 524250.49 | 4259823.84 | 0.37816 | 0.00036 | 0.00029 | 9.33931E-05 | 0.00045 |
| 524243.64 | 4259822.12 | 0.35904 | 0.00034 | 0.00031 | 9.98340E-05 | 0.00044 |
| 524232.8 | 4259816.13 | 0.32654 | 0.00031 | 0.00036 | 1.15936E-04 | 0.00042 |
| 524225.1 | 4259826.4 | 0.31712 | 0.00030 | 0.00038 | 1.22377E-04 | 0.00042 |
| 524218.26 | 4259836.67 | 0.30884 | 0.00029 | 0.00040 | 1.28818E-04 | 0.00042 |
| 524210.55 | 4259846.94 | 0.29539 | 0.00028 | 0.00043 | 1.38479E-04 | 0.00042 |
| 524202 | 4259857.5 | 0.27883 | 0.00026 | 0.00049 | 1.57802E-04 | 0.00042 |
| 524265.77 | 4259728.17 | 0.28432 | 0.00027 | 0.00050 | 1.61023E-04 | 0.00043 |
| 524273.47 | 4259713.63 | 0.28025 | 0.00026 | 0.00050 | 1.61023E-04 | 0.00043 |
| 524276.89 | 4259698.51 | 0.272 | 0.00026 | 0.00050 | 1.61023E-04 | 0.00042 |
| 524260.92 | 4259693.94 | 0.24685 | 0.00023 | 0.00078 | 2.51195E-04 | 0.00048 |
| 524251.79 | 4259711.06 | 0.24846 | 0.00023 | 0.00086 | 2.76959E-04 | 0.00051 |
| 524250.65 | 4259723.04 | 0.25722 | 0.00024 | 0.00076 | 2.44754E-04 | 0.00049 |
| 524265.2 | 4259620.63 | 0.20204 | 0.00019 | 0.00110 | 3.54250E-04 | 0.00055 |
| 524284.88 | 4259588.39 | 0.19856 | 0.00019 | 0.00095 | 3.05943E-04 | 0.00049 |
| 524305.71 | 4259554.73 | 0.19401 | 0.00018 | 0.00102 | 3.28486E-04 | 0.00051 |
| 524315.12 | 4259565 | 0.21004 | 0.00020 | 0.00069 | 2.22211E-04 | 0.00042 |
| 524303.99 | 4259604.08 | 0.22817 | 0.00022 | 0.00054 | 1.73904E-04 | 0.00039 |
| 524638.04 | 4260127.68 | 2.83432 | 0.00268 | 0.00002 | 6.44090E-06 | 0.00269 |
| 524645.94 | 4260114.25 | 2.45624 | 0.00232 | 0.00002 | 6.44090E-06 | 0.00233 |
| 524647.12 | 4260105.17 | 2.35648 | 0.00223 | 0.00002 | 6.44090E-06 | 0.00223 |
| 524662.52 | 4260077.53 | 1.77325 | 0.00168 | 0.00002 | 6.44090E-06 | 0.00168 |
| 524692.14 | 4260053.84 | 1.21786 | 0.00115 | 0.00002 | 6.44090E-06 | 0.00116 |
| 524752.55 | 4260050.68 | 0.80613 | 0.00076 | 0.00001 | 3.22045E-06 | 0.00077 |
| 524338.94 | 4260404.55 | 3.80975 | 0.00360 | 0.00004 | 1.28818E-05 | 0.00361 |
| 524441.43 | 4260403.88 | 4.15918 | 0.00393 | 0.00003 | 9.66135E-06 | 0.00394 |
| 524538.99 | 4260369.97 | 2.65092 | 0.00251 | 0.00002 | 6.44090E-06 | 0.00251 |
| 524566.4 | 4260356.96 | 2.37859 | 0.00225 | 0.00002 | 6.44090E-06 | 0.00225 |
| 524530.17 | 4260389.94 | 2.53701 | 0.00240 | 0.00002 | 6.44090E-06 | 0.00240 |
| 524498.28 | 4260239.21 | 14.14181 | 0.01337 | 0.00004 | 1.28818E-05 | 0.01338 |
| 524477.41 | 4260262.98 | 13.77617 | 0.01302 | 0.00004 | 1.28818E-05 | 0.01303 |
| 524494.8 | 4260256.02 | 12.46909 | 0.01179 | 0.00004 | 1.28818E-05 | 0.01180 |
| 524515.67 | 4260222.4 | 13.04118 | 0.01233 | 0.00004 | 1.28818E-05 | 0.01234 |
| 524519.73 | 4260238.63 | 10.67239 | 0.01009 | 0.00004 | 1.28818E-05 | 0.01010 |
| 524519.15 | 4260249.06 | 9.76543 | 0.00923 | 0.00003 | 9.66135E-06 | 0.00924 |
| 524529 | 4260210.8 | 12.02879 | 0.01137 | 0.00004 | 1.28818E-05 | 0.01138 |
| 524535.38 | 4260221.82 | 10.21628 | 0.00966 | 0.00003 | 9.66135E-06 | 0.00967 |
| 524534.22 | 4260237.47 | 9.04324 | 0.00855 | 0.00003 | 9.66135E-06 | 0.00856 |
| 524546.97 | 4260196.89 | 10.1477 | 0.00959 | 0.00003 | 9.66135E-06 | 0.00960 |
| 524546.97 | 4260211.38 | 9.35687 | 0.00884 | 0.00003 | 9.66135E-06 | 0.00885 |
| 524549.87 | 4260224.14 | 8.30297 | 0.00785 | 0.00003 | 9.66135E-06 | 0.00786 |
| 524560.3 | 4260187.04 | 8.84755 | 0.00836 | 0.00003 | 9.66135E-06 | 0.00837 |
| 524569 | 4260203.85 | 7.21438 | 0.00682 | 0.00003 | 9.66135E-06 | 0.00683 |
| 524580.01 | 4260180.66 | 6.91629 | 0.00654 | 0.00003 | 9.66135E-06 | 0.00655 |
| 524580.01 | 4260198.05 | 6.47651 | 0.00612 | 0.00003 | 9.66135E-06 | 0.00613 |
| 524588.13 | 4260163.27 | 6.38813 | 0.00604 | 0.00003 | 9.66135E-06 | 0.00605 |
| 524598.57 | 4260182.98 | 5.35106 | 0.00506 | 0.00003 | 9.66135E-06 | 0.00507 |
| 524596.25 | 4260169.64 | 5.61282 | 0.00531 | 0.00003 | 9.66135E-06 | 0.00531 |

**Oakmont Emerald Isle** 2019 Tier IV at Sensitive Receptors

**Construction Annual DPM Emissions ( as PM2.5 Exhaust)**

**Annual Average Onsite DPM Exhaust Emission Rate:** 1.05249E-07 grams/m2/sec

**Annual Average Offsite DPM Exhaust Emission Rate:** 1.75233E-05 grams/sec

| X (m) | Y (m) | Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3) | Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3) | Total DPM (ug/m3) |
|---|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.21757 | 0.00023 | 0.00066 | 1.15654E-04 | 0.00034 |
| 524149.22 | 4260065.3 | 0.24485 | 0.00026 | 0.00092 | 1.61215E-04 | 0.00042 |
| 524164.22 | 4260065.3 | 0.27751 | 0.00029 | 0.00099 | 1.73481E-04 | 0.00047 |
| 524179.22 | 4260065.3 | 0.3173 | 0.00033 | 0.00099 | 1.73481E-04 | 0.00051 |
| 524194.22 | 4260065.3 | 0.36632 | 0.00039 | 0.00101 | 1.76986E-04 | 0.00056 |
| 524209.22 | 4260065.3 | 0.428 | 0.00045 | 0.00104 | 1.82243E-04 | 0.00063 |
| 524224.22 | 4260065.3 | 0.50755 | 0.00053 | 0.00108 | 1.89252E-04 | 0.00072 |
| 524239.22 | 4260065.3 | 0.61335 | 0.00065 | 0.00113 | 1.98014E-04 | 0.00084 |
| 524254.22 | 4260065.3 | 0.75734 | 0.00080 | 0.00119 | 2.08528E-04 | 0.00101 |
| 524269.22 | 4260065.3 | 0.95864 | 0.00101 | 0.00126 | 2.20794E-04 | 0.00123 |
| 524134.22 | 4260080.3 | 0.23428 | 0.00025 | 0.00053 | 9.28736E-05 | 0.00034 |
| 524149.22 | 4260080.3 | 0.26466 | 0.00028 | 0.00067 | 1.17406E-04 | 0.00040 |
| 524164.22 | 4260080.3 | 0.3012 | 0.00032 | 0.00074 | 1.29673E-04 | 0.00045 |
| 524179.22 | 4260080.3 | 0.34591 | 0.00036 | 0.00075 | 1.31425E-04 | 0.00050 |
| 524194.22 | 4260080.3 | 0.40157 | 0.00042 | 0.00075 | 1.31425E-04 | 0.00055 |
| 524209.22 | 4260080.3 | 0.47231 | 0.00050 | 0.00075 | 1.31425E-04 | 0.00063 |
| 524224.22 | 4260080.3 | 0.56376 | 0.00059 | 0.00076 | 1.33177E-04 | 0.00073 |
| 524239.22 | 4260080.3 | 0.68592 | 0.00072 | 0.00078 | 1.36682E-04 | 0.00086 |
| 524254.22 | 4260080.3 | 0.85432 | 0.00090 | 0.00080 | 1.40187E-04 | 0.00104 |
| 524269.22 | 4260080.3 | 1.09449 | 0.00115 | 0.00084 | 1.47196E-04 | 0.00130 |
| 524134.22 | 4260095.3 | 0.25205 | 0.00027 | 0.00044 | 7.71026E-05 | 0.00034 |
| 524149.22 | 4260095.3 | 0.28615 | 0.00030 | 0.00054 | 9.46260E-05 | 0.00040 |
| 524164.22 | 4260095.3 | 0.3277 | 0.00034 | 0.00059 | 1.03388E-04 | 0.00045 |
| 524179.22 | 4260095.3 | 0.37935 | 0.00040 | 0.00060 | 1.05140E-04 | 0.00050 |
| 524194.22 | 4260095.3 | 0.44405 | 0.00047 | 0.00060 | 1.05140E-04 | 0.00057 |
| 524209.22 | 4260095.3 | 0.52689 | 0.00055 | 0.00059 | 1.03388E-04 | 0.00066 |
| 524224.22 | 4260095.3 | 0.63499 | 0.00067 | 0.00059 | 1.03388E-04 | 0.00077 |
| 524239.22 | 4260095.3 | 0.78033 | 0.00082 | 0.00060 | 1.05140E-04 | 0.00093 |
| 524254.22 | 4260095.3 | 0.98282 | 0.00103 | 0.00060 | 1.05140E-04 | 0.00114 |
| 524269.22 | 4260095.3 | 1.27749 | 0.00134 | 0.00061 | 1.06892E-04 | 0.00145 |
| 524134.22 | 4260110.3 | 0.27129 | 0.00029 | 0.00035 | 6.13316E-05 | 0.00035 |
| 524149.22 | 4260110.3 | 0.30966 | 0.00033 | 0.00042 | 7.35980E-05 | 0.00040 |
| 524164.22 | 4260110.3 | 0.35784 | 0.00038 | 0.00047 | 8.23596E-05 | 0.00046 |
| 524179.22 | 4260110.3 | 0.418 | 0.00044 | 0.00049 | 8.58643E-05 | 0.00053 |
| 524194.22 | 4260110.3 | 0.49461 | 0.00052 | 0.00049 | 8.58643E-05 | 0.00061 |
| 524209.22 | 4260110.3 | 0.59345 | 0.00062 | 0.00048 | 8.41120E-05 | 0.00071 |
| 524224.22 | 4260110.3 | 0.72351 | 0.00076 | 0.00048 | 8.41120E-05 | 0.00085 |
| 524239.22 | 4260110.3 | 0.90031 | 0.00095 | 0.00048 | 8.41120E-05 | 0.00103 |
| 524254.22 | 4260110.3 | 1.14882 | 0.00121 | 0.00048 | 8.41120E-05 | 0.00129 |
| 524269.22 | 4260110.3 | 1.51209 | 0.00159 | 0.00048 | 8.41120E-05 | 0.00168 |
| 524134.22 | 4260125.3 | 0.29185 | 0.00031 | 0.00029 | 5.08176E-05 | 0.00036 |
| 524149.22 | 4260125.3 | 0.33572 | 0.00035 | 0.00034 | 5.95793E-05 | 0.00041 |
| 524164.22 | 4260125.3 | 0.391 | 0.00041 | 0.00038 | 6.65886E-05 | 0.00048 |
| 524179.22 | 4260125.3 | 0.46144 | 0.00049 | 0.00040 | 7.00933E-05 | 0.00056 |
| 524194.22 | 4260125.3 | 0.55233 | 0.00058 | 0.00040 | 7.00933E-05 | 0.00065 |
| 524209.22 | 4260125.3 | 0.67098 | 0.00071 | 0.00040 | 7.00933E-05 | 0.00078 |
| 524224.22 | 4260125.3 | 0.82823 | 0.00087 | 0.00040 | 7.00933E-05 | 0.00094 |
| 524239.22 | 4260125.3 | 1.04426 | 0.00110 | 0.00040 | 7.00933E-05 | 0.00117 |
| 524254.22 | 4260125.3 | 1.34996 | 0.00142 | 0.00040 | 7.00933E-05 | 0.00149 |
| 524269.22 | 4260125.3 | 1.79972 | 0.00189 | 0.00040 | 7.00933E-05 | 0.00196 |
| 524134.22 | 4260140.3 | 0.31406 | 0.00033 | 0.00024 | 4.20560E-05 | 0.00037 |
| 524149.22 | 4260140.3 | 0.36374 | 0.00038 | 0.00028 | 4.90653E-05 | 0.00043 |
| 524164.22 | 4260140.3 | 0.42771 | 0.00045 | 0.00031 | 5.43223E-05 | 0.00050 |
| 524179.22 | 4260140.3 | 0.50983 | 0.00054 | 0.00033 | 5.78270E-05 | 0.00059 |
| 524194.22 | 4260140.3 | 0.61661 | 0.00065 | 0.00034 | 5.95793E-05 | 0.00071 |
| 524209.22 | 4260140.3 | 0.75814 | 0.00080 | 0.00034 | 5.95793E-05 | 0.00086 |
| 524224.22 | 4260140.3 | 0.9479 | 0.00100 | 0.00034 | 5.95793E-05 | 0.00106 |
| 524239.22 | 4260140.3 | 1.21063 | 0.00127 | 0.00034 | 5.95793E-05 | 0.00133 |
| 524254.22 | 4260140.3 | 1.58271 | 0.00167 | 0.00034 | 5.95793E-05 | 0.00173 |
| 524269.22 | 4260140.3 | 2.13206 | 0.00224 | 0.00033 | 5.78270E-05 | 0.00230 |
| 524134.22 | 4260155.3 | 0.33839 | 0.00036 | 0.00021 | 3.67990E-05 | 0.00039 |
| 524149.22 | 4260155.3 | 0.39363 | 0.00041 | 0.00023 | 4.03036E-05 | 0.00045 |
| 524164.22 | 4260155.3 | 0.46649 | 0.00049 | 0.00026 | 4.55606E-05 | 0.00054 |
| 524179.22 | 4260155.3 | 0.5619 | 0.00059 | 0.00027 | 4.73130E-05 | 0.00064 |
| 524194.22 | 4260155.3 | 0.68411 | 0.00072 | 0.00028 | 4.90653E-05 | 0.00077 |
| 524209.22 | 4260155.3 | 0.84649 | 0.00089 | 0.00029 | 5.08176E-05 | 0.00094 |
| 524224.22 | 4260155.3 | 1.07098 | 0.00113 | 0.00029 | 5.08176E-05 | 0.00118 |
| 524239.22 | 4260155.3 | 1.38626 | 0.00146 | 0.00029 | 5.08176E-05 | 0.00151 |
| 524254.22 | 4260155.3 | 1.83195 | 0.00193 | 0.00029 | 5.08176E-05 | 0.00198 |
| 524269.22 | 4260155.3 | 2.48712 | 0.00262 | 0.00028 | 4.90653E-05 | 0.00267 |
| 524134.22 | 4260170.3 | 0.36692 | 0.00039 | 0.00018 | 3.15420E-05 | 0.00042 |
| 524149.22 | 4260170.3 | 0.42859 | 0.00045 | 0.00020 | 3.50466E-05 | 0.00049 |
| 524164.22 | 4260170.3 | 0.51067 | 0.00054 | 0.00022 | 3.85513E-05 | 0.00058 |
| 524179.22 | 4260170.3 | 0.61926 | 0.00065 | 0.00023 | 4.03036E-05 | 0.00069 |
| 524194.22 | 4260170.3 | 0.75885 | 0.00080 | 0.00024 | 4.20560E-05 | 0.00084 |
| 524209.22 | 4260170.3 | 0.94274 | 0.00099 | 0.00025 | 4.38083E-05 | 0.00104 |
| 524224.22 | 4260170.3 | 1.20257 | 0.00127 | 0.00025 | 4.38083E-05 | 0.00131 |
| 524239.22 | 4260170.3 | 1.56904 | 0.00165 | 0.00025 | 4.38083E-05 | 0.00170 |
| 524254.22 | 4260170.3 | 2.08643 | 0.00220 | 0.00025 | 4.38083E-05 | 0.00224 |
| 524269.22 | 4260170.3 | 2.8445 | 0.00299 | 0.00024 | 4.20560E-05 | 0.00304 |
| 524134.22 | 4260185.3 | 0.4053 | 0.00043 | 0.00016 | 2.80373E-05 | 0.00045 |
| 524149.22 | 4260185.3 | 0.47478 | 0.00050 | 0.00018 | 3.15420E-05 | 0.00053 |
| 524164.22 | 4260185.3 | 0.56596 | 0.00060 | 0.00019 | 3.32943E-05 | 0.00063 |
| 524179.22 | 4260185.3 | 0.6854 | 0.00072 | 0.00020 | 3.50466E-05 | 0.00076 |
| 524194.22 | 4260185.3 | 0.84389 | 0.00089 | 0.00021 | 3.67990E-05 | 0.00092 |
| 524209.22 | 4260185.3 | 1.05598 | 0.00111 | 0.00021 | 3.67990E-05 | 0.00115 |
| 524224.22 | 4260185.3 | 1.34529 | 0.00142 | 0.00022 | 3.85513E-05 | 0.00145 |
| 524239.22 | 4260185.3 | 1.7506 | 0.00184 | 0.00022 | 3.85513E-05 | 0.00188 |
| 524254.22 | 4260185.3 | 2.32158 | 0.00244 | 0.00021 | 3.67990E-05 | 0.00248 |
| 524269.22 | 4260185.3 | 3.15415 | 0.00332 | 0.00021 | 3.67990E-05 | 0.00336 |
| 524134.22 | 4260200.3 | 0.45017 | 0.00047 | 0.00015 | 2.62850E-05 | 0.00050 |
| 524149.22 | 4260200.3 | 0.52905 | 0.00056 | 0.00016 | 2.80373E-05 | 0.00058 |
| 524164.22 | 4260200.3 | 0.62984 | 0.00066 | 0.00017 | 2.97897E-05 | 0.00069 |
| 524179.22 | 4260200.3 | 0.75995 | 0.00080 | 0.00018 | 3.15420E-05 | 0.00083 |
| 524194.22 | 4260200.3 | 0.93641 | 0.00099 | 0.00019 | 3.32943E-05 | 0.00102 |
| 524209.22 | 4260200.3 | 1.17623 | 0.00124 | 0.00019 | 3.32943E-05 | 0.00127 |
| 524224.22 | 4260200.3 | 1.49381 | 0.00157 | 0.00019 | 3.32943E-05 | 0.00161 |
| 524239.22 | 4260200.3 | 1.9286 | 0.00203 | 0.00019 | 3.32943E-05 | 0.00206 |
| 524254.22 | 4260200.3 | 2.5383 | 0.00267 | 0.00019 | 3.32943E-05 | 0.00270 |
| 524269.22 | 4260200.3 | 3.41685 | 0.00360 | 0.00018 | 3.15420E-05 | 0.00363 |
| 524134.22 | 4260215.3 | 0.50696 | 0.00053 | 0.00014 | 2.45327E-05 | 0.00056 |
| 524149.22 | 4260215.3 | 0.59524 | 0.00063 | 0.00015 | 2.62850E-05 | 0.00065 |
| 524164.22 | 4260215.3 | 0.70733 | 0.00074 | 0.00016 | 2.80373E-05 | 0.00077 |
| 524179.22 | 4260215.3 | 0.85081 | 0.00090 | 0.00016 | 2.80373E-05 | 0.00092 |
| 524194.22 | 4260215.3 | 1.04578 | 0.00110 | 0.00017 | 2.97897E-05 | 0.00113 |
| 524209.22 | 4260215.3 | 1.30779 | 0.00138 | 0.00017 | 2.97897E-05 | 0.00141 |
| 524224.22 | 4260215.3 | 1.65196 | 0.00174 | 0.00017 | 2.97897E-05 | 0.00177 |
| 524239.22 | 4260215.3 | 2.10761 | 0.00222 | 0.00017 | 2.97897E-05 | 0.00225 |
| 524254.22 | 4260215.3 | 2.73953 | 0.00288 | 0.00017 | 2.97897E-05 | 0.00291 |
| 524269.22 | 4260215.3 | 3.62148 | 0.00381 | 0.00016 | 2.80373E-05 | 0.00384 |
| 524134.22 | 4260230.3 | 0.56541 | 0.00060 | 0.00012 | 2.10280E-05 | 0.00062 |
| 524149.22 | 4260230.3 | 0.66468 | 0.00070 | 0.00013 | 2.27803E-05 | 0.00072 |
| 524164.22 | 4260230.3 | 0.78803 | 0.00083 | 0.00014 | 2.45327E-05 | 0.00085 |
| 524179.22 | 4260230.3 | 0.94253 | 0.00099 | 0.00015 | 2.62850E-05 | 0.00102 |
| 524194.22 | 4260230.3 | 1.15338 | 0.00121 | 0.00015 | 2.62850E-05 | 0.00124 |
| 524209.22 | 4260230.3 | 1.43703 | 0.00151 | 0.00015 | 2.62850E-05 | 0.00154 |
| 524224.22 | 4260230.3 | 1.7991 | 0.00189 | 0.00015 | 2.62850E-05 | 0.00192 |
| 524239.22 | 4260230.3 | 2.27011 | 0.00239 | 0.00015 | 2.62850E-05 | 0.00242 |
| 524254.22 | 4260230.3 | 2.90549 | 0.00306 | 0.00015 | 2.62850E-05 | 0.00308 |
| 524269.22 | 4260230.3 | 3.76042 | 0.00396 | 0.00014 | 2.45327E-05 | 0.00398 |
| 524134.22 | 4260245.3 | 0.62194 | 0.00065 | 0.00011 | 1.92757E-05 | 0.00067 |
| 524149.22 | 4260245.3 | 0.73478 | 0.00077 | 0.00012 | 2.10280E-05 | 0.00079 |
| 524164.22 | 4260245.3 | 0.86958 | 0.00092 | 0.00013 | 2.27803E-05 | 0.00094 |
| 524179.22 | 4260245.3 | 1.03166 | 0.00109 | 0.00013 | 2.27803E-05 | 0.00111 |
| 524194.22 | 4260245.3 | 1.25467 | 0.00132 | 0.00014 | 2.45327E-05 | 0.00135 |
| 524209.22 | 4260245.3 | 1.55549 | 0.00164 | 0.00014 | 2.45327E-05 | 0.00166 |
| 524224.22 | 4260245.3 | 1.93407 | 0.00204 | 0.00014 | 2.45327E-05 | 0.00206 |
| 524239.22 | 4260245.3 | 2.41734 | 0.00254 | 0.00013 | 2.27803E-05 | 0.00257 |
| 524254.22 | 4260245.3 | 3.04572 | 0.00321 | 0.00013 | 2.27803E-05 | 0.00323 |
| 524269.22 | 4260245.3 | 3.86134 | 0.00406 | 0.00013 | 2.27803E-05 | 0.00409 |
| 524134.22 | 4260260.3 | 0.67408 | 0.00071 | 0.00010 | 1.75233E-05 | 0.00073 |
| 524149.22 | 4260260.3 | 0.80097 | 0.00084 | 0.00011 | 1.92757E-05 | 0.00086 |
| 524164.22 | 4260260.3 | 0.94951 | 0.00100 | 0.00011 | 1.92757E-05 | 0.00102 |
| 524179.22 | 4260260.3 | 1.12084 | 0.00118 | 0.00012 | 2.10280E-05 | 0.00120 |
| 524194.22 | 4260260.3 | 1.35248 | 0.00142 | 0.00012 | 2.10280E-05 | 0.00144 |
| 524209.22 | 4260260.3 | 1.66274 | 0.00175 | 0.00012 | 2.10280E-05 | 0.00177 |
| 524224.22 | 4260260.3 | 2.04791 | 0.00216 | 0.00012 | 2.10280E-05 | 0.00218 |
| 524239.22 | 4260260.3 | 2.52877 | 0.00266 | 0.00012 | 2.10280E-05 | 0.00268 |
| 524254.22 | 4260260.3 | 3.13684 | 0.00330 | 0.00012 | 2.10280E-05 | 0.00332 |
| 524269.22 | 4260260.3 | 3.89985 | 0.00410 | 0.00012 | 2.10280E-05 | 0.00413 |
| 524134.22 | 4260275.3 | 0.70639 | 0.00074 | 0.00009 | 1.57710E-05 | 0.00076 |
| 524149.22 | 4260275.3 | 0.8605 | 0.00091 | 0.00010 | 1.75233E-05 | 0.00092 |
| 524164.22 | 4260275.3 | 1.02545 | 0.00108 | 0.00010 | 1.75233E-05 | 0.00110 |
| 524179.22 | 4260275.3 | 1.21412 | 0.00128 | 0.00011 | 1.92757E-05 | 0.00130 |
| 524194.22 | 4260275.3 | 1.45385 | 0.00153 | 0.00011 | 1.92757E-05 | 0.00155 |
| 524209.22 | 4260275.3 | 1.76083 | 0.00185 | 0.00011 | 1.92757E-05 | 0.00187 |
| 524224.22 | 4260275.3 | 2.13949 | 0.00225 | 0.00011 | 1.92757E-05 | 0.00227 |
| 524239.22 | 4260275.3 | 2.60587 | 0.00274 | 0.00011 | 1.92757E-05 | 0.00276 |
| 524254.22 | 4260275.3 | 3.1886 | 0.00336 | 0.00011 | 1.92757E-05 | 0.00338 |
| 524269.22 | 4260275.3 | 3.90406 | 0.00411 | 0.00011 | 1.92757E-05 | 0.00413 |
| 524134.22 | 4260290.3 | 0.73573 | 0.00077 | 0.00008 | 1.40187E-05 | 0.00079 |
| 524149.22 | 4260290.3 | 0.89797 | 0.00095 | 0.00009 | 1.57710E-05 | 0.00096 |
| 524164.22 | 4260290.3 | 1.08855 | 0.00115 | 0.00009 | 1.57710E-05 | 0.00116 |
| 524179.22 | 4260290.3 | 1.29367 | 0.00136 | 0.00010 | 1.75233E-05 | 0.00138 |
| 524194.22 | 4260290.3 | 1.53994 | 0.00162 | 0.00010 | 1.75233E-05 | 0.00164 |
| 524209.22 | 4260290.3 | 1.84078 | 0.00194 | 0.00010 | 1.75233E-05 | 0.00195 |
| 524224.22 | 4260290.3 | 2.20907 | 0.00233 | 0.00010 | 1.75233E-05 | 0.00234 |
| 524239.22 | 4260290.3 | 2.65222 | 0.00279 | 0.00010 | 1.75233E-05 | 0.00281 |
| 524254.22 | 4260290.3 | 3.2015 | 0.00337 | 0.00010 | 1.75233E-05 | 0.00339 |
| 524269.22 | 4260290.3 | 3.85874 | 0.00406 | 0.00010 | 1.75233E-05 | 0.00408 |
| 524134.22 | 4260305.3 | 0.77393 | 0.00081 | 0.00007 | 1.22663E-05 | 0.00083 |
| 524149.22 | 4260305.3 | 0.93169 | 0.00098 | 0.00008 | 1.40187E-05 | 0.00099 |
| 524164.22 | 4260305.3 | 1.13973 | 0.00120 | 0.00008 | 1.40187E-05 | 0.00121 |
| 524179.22 | 4260305.3 | 1.35485 | 0.00143 | 0.00009 | 1.57710E-05 | 0.00144 |
| 524194.22 | 4260305.3 | 1.60817 | 0.00169 | 0.00009 | 1.57710E-05 | 0.00171 |
| 524209.22 | 4260305.3 | 1.90533 | 0.00201 | 0.00009 | 1.57710E-05 | 0.00202 |
| 524224.22 | 4260305.3 | 2.2615 | 0.00238 | 0.00009 | 1.57710E-05 | 0.00240 |
| 524239.22 | 4260305.3 | 2.6822 | 0.00282 | 0.00009 | 1.57710E-05 | 0.00284 |
| 524254.22 | 4260305.3 | 3.18586 | 0.00335 | 0.00009 | 1.57710E-05 | 0.00337 |
| 524269.22 | 4260305.3 | 3.77418 | 0.00397 | 0.00009 | 1.57710E-05 | 0.00399 |
| 524134.22 | 4260320.3 | 0.80873 | 0.00085 | 0.00007 | 1.22663E-05 | 0.00086 |
| 524149.22 | 4260320.3 | 0.96475 | 0.00102 | 0.00007 | 1.22663E-05 | 0.00103 |
| 524164.22 | 4260320.3 | 1.16443 | 0.00123 | 0.00008 | 1.40187E-05 | 0.00124 |
| 524179.22 | 4260320.3 | 1.39759 | 0.00147 | 0.00008 | 1.40187E-05 | 0.00148 |
| 524194.22 | 4260320.3 | 1.65125 | 0.00174 | 0.00008 | 1.40187E-05 | 0.00175 |
| 524209.22 | 4260320.3 | 1.94208 | 0.00204 | 0.00009 | 1.57710E-05 | 0.00206 |
| 524224.22 | 4260320.3 | 2.28161 | 0.00240 | 0.00009 | 1.57710E-05 | 0.00242 |
| 524239.22 | 4260320.3 | 2.6756 | 0.00282 | 0.00009 | 1.57710E-05 | 0.00283 |
| 524254.22 | 4260320.3 | 3.13548 | 0.00330 | 0.00008 | 1.40187E-05 | 0.00331 |
| 524269.22 | 4260320.3 | 3.65724 | 0.00385 | 0.00008 | 1.40187E-05 | 0.00386 |
| 524134.22 | 4260335.3 | 0.84466 | 0.00089 | 0.00006 | 1.05140E-05 | 0.00090 |
| 524149.22 | 4260335.3 | 1.00213 | 0.00105 | 0.00007 | 1.22663E-05 | 0.00107 |
| 524164.22 | 4260335.3 | 1.20024 | 0.00126 | 0.00007 | 1.22663E-05 | 0.00128 |
| 524179.22 | 4260335.3 | 1.42832 | 0.00150 | 0.00008 | 1.40187E-05 | 0.00152 |
| 524194.22 | 4260335.3 | 1.67364 | 0.00176 | 0.00008 | 1.40187E-05 | 0.00178 |
| 524209.22 | 4260335.3 | 1.95057 | 0.00205 | 0.00008 | 1.40187E-05 | 0.00207 |
| 524224.22 | 4260335.3 | 2.27019 | 0.00239 | 0.00008 | 1.40187E-05 | 0.00240 |
| 524239.22 | 4260335.3 | 2.63556 | 0.00277 | 0.00008 | 1.40187E-05 | 0.00279 |
| 524254.22 | 4260335.3 | 3.05462 | 0.00321 | 0.00008 | 1.40187E-05 | 0.00323 |
| 524269.22 | 4260335.3 | 3.52627 | 0.00371 | 0.00008 | 1.40187E-05 | 0.00373 |
| 524134.22 | 4260350.3 | 0.8772 | 0.00092 | 0.00006 | 1.05140E-05 | 0.00093 |
| 524149.22 | 4260350.3 | 1.03577 | 0.00109 | 0.00006 | 1.05140E-05 | 0.00110 |
| 524164.22 | 4260350.3 | 1.23145 | 0.00130 | 0.00007 | 1.22663E-05 | 0.00131 |
| 524179.22 | 4260350.3 | 1.44828 | 0.00152 | 0.00007 | 1.22663E-05 | 0.00154 |
| 524194.22 | 4260350.3 | 1.68257 | 0.00177 | 0.00007 | 1.22663E-05 | 0.00178 |
| 524209.22 | 4260350.3 | 1.94417 | 0.00205 | 0.00007 | 1.22663E-05 | 0.00206 |
| 524224.22 | 4260350.3 | 2.24221 | 0.00236 | 0.00007 | 1.22663E-05 | 0.00237 |
| 524239.22 | 4260350.3 | 2.57914 | 0.00271 | 0.00007 | 1.22663E-05 | 0.00273 |
| 524254.22 | 4260350.3 | 2.95805 | 0.00311 | 0.00007 | 1.22663E-05 | 0.00313 |
| 524269.22 | 4260350.3 | 3.37698 | 0.00355 | 0.00007 | 1.22663E-05 | 0.00357 |
| 524204.65 | 4260012.52 | 0.31841 | 0.00034 | 0.00055 | 9.63783E-05 | 0.00043 |
| 524203.43 | 4260005.01 | 0.30836 | 0.00032 | 0.00052 | 9.11213E-05 | 0.00042 |
| 524204.65 | 4259997.73 | 0.3073 | 0.00032 | 0.00048 | 8.41120E-05 | 0.00041 |
| 524204.4 | 4259988.28 | 0.30147 | 0.00032 | 0.00045 | 7.88550E-05 | 0.00040 |
| 524189.13 | 4260004.28 | 0.26697 | 0.00028 | 0.00060 | 1.05140E-04 | 0.00039 |
| 524189.37 | 4259993.85 | 0.26126 | 0.00027 | 0.00056 | 9.81306E-05 | 0.00037 |
| 524190.83 | 4259982.7 | 0.26049 | 0.00027 | 0.00053 | 9.28736E-05 | 0.00037 |
| 524246.78 | 4259946.49 | 0.47596 | 0.00050 | 0.00026 | 4.55606E-05 | 0.00055 |
| 524255.34 | 4259929.66 | 0.51151 | 0.00054 | 0.00024 | 4.20560E-05 | 0.00058 |
| 524250.49 | 4259937.65 | 0.49065 | 0.00052 | 0.00025 | 4.38083E-05 | 0.00056 |
| 524232.52 | 4259935.94 | 0.40012 | 0.00042 | 0.00029 | 5.08176E-05 | 0.00047 |
| 524220.54 | 4259937.94 | 0.35094 | 0.00037 | 0.00033 | 5.78270E-05 | 0.00043 |
| 524212.55 | 4259949.92 | 0.32376 | 0.00034 | 0.00036 | 6.30840E-05 | 0.00040 |
| 524206.28 | 4259957.62 | 0.30335 | 0.00032 | 0.00040 | 7.00933E-05 | 0.00039 |
| 524199.43 | 4259957.05 | 0.2817 | 0.00030 | 0.00044 | 7.71026E-05 | 0.00037 |
| 524188.31 | 4259954.48 | 0.25028 | 0.00026 | 0.00054 | 9.46260E-05 | 0.00036 |
| 524196.86 | 4259946.49 | 0.27341 | 0.00029 | 0.00046 | 8.06073E-05 | 0.00037 |
| 524203.71 | 4259947.63 | 0.29404 | 0.00031 | 0.00041 | 7.18456E-05 | 0.00038 |
| 524199.43 | 4259934.8 | 0.28033 | 0.00030 | 0.00044 | 7.71026E-05 | 0.00037 |
| 524206.56 | 4259925.1 | 0.30091 | 0.00032 | 0.00040 | 7.00933E-05 | 0.00039 |
| 524213.12 | 4259917.68 | 0.32103 | 0.00034 | 0.00036 | 6.30840E-05 | 0.00040 |
| 524241.93 | 4259920.25 | 0.43619 | 0.00046 | 0.00026 | 4.55606E-05 | 0.00050 |
| 524215.97 | 4259907.7 | 0.32888 | 0.00035 | 0.00035 | 6.13316E-05 | 0.00041 |
| 524221.11 | 4259892.3 | 0.34142 | 0.00036 | 0.00033 | 5.78270E-05 | 0.00042 |
| 524238.79 | 4259898.86 | 0.40795 | 0.00043 | 0.00027 | 4.73130E-05 | 0.00048 |
| 524238.79 | 4259907.98 | 0.41397 | 0.00044 | 0.00027 | 4.73130E-05 | 0.00048 |
| 524237.37 | 4259884.59 | 0.39264 | 0.00041 | 0.00028 | 4.90653E-05 | 0.00046 |
| 524214.83 | 4259881.17 | 0.31909 | 0.00034 | 0.00037 | 6.48363E-05 | 0.00040 |
| 524203.14 | 4259873.47 | 0.28624 | 0.00030 | 0.00045 | 7.88550E-05 | 0.00038 |
| 524198.29 | 4259867.19 | 0.27347 | 0.00029 | 0.00050 | 8.76166E-05 | 0.00038 |
| 524232.8 | 4259867.19 | 0.36531 | 0.00038 | 0.00031 | 5.43223E-05 | 0.00044 |
| 524233.09 | 4259857.5 | 0.35986 | 0.00038 | 0.00031 | 5.43223E-05 | 0.00043 |
| 524235.66 | 4259852.36 | 0.36372 | 0.00038 | 0.00031 | 5.43223E-05 | 0.00044 |
| 524239.65 | 4259845.51 | 0.36981 | 0.00039 | 0.00030 | 5.25700E-05 | 0.00044 |
| 524243.93 | 4259834.68 | 0.37212 | 0.00039 | 0.00030 | 5.25700E-05 | 0.00044 |
| 524250.49 | 4259823.84 | 0.37816 | 0.00040 | 0.00029 | 5.08176E-05 | 0.00045 |
| 524243.64 | 4259822.12 | 0.35904 | 0.00038 | 0.00031 | 5.43223E-05 | 0.00043 |
| 524232.8 | 4259816.13 | 0.32654 | 0.00034 | 0.00036 | 6.30840E-05 | 0.00041 |
| 524225.1 | 4259826.4 | 0.31712 | 0.00033 | 0.00038 | 6.65886E-05 | 0.00040 |
| 524218.26 | 4259836.67 | 0.30884 | 0.00033 | 0.00040 | 7.00933E-05 | 0.00040 |
| 524210.55 | 4259846.94 | 0.29539 | 0.00031 | 0.00043 | 7.53503E-05 | 0.00039 |
| 524202 | 4259857.5 | 0.27883 | 0.00029 | 0.00049 | 8.58643E-05 | 0.00038 |
| 524265.77 | 4259728.17 | 0.28432 | 0.00030 | 0.00050 | 8.76166E-05 | 0.00039 |
| 524273.47 | 4259713.63 | 0.28025 | 0.00029 | 0.00050 | 8.76166E-05 | 0.00038 |
| 524276.89 | 4259698.51 | 0.272 | 0.00029 | 0.00050 | 8.76166E-05 | 0.00037 |
| 524260.92 | 4259693.94 | 0.24685 | 0.00026 | 0.00078 | 1.36682E-04 | 0.00040 |
| 524251.79 | 4259711.06 | 0.24846 | 0.00026 | 0.00086 | 1.50701E-04 | 0.00041 |
| 524250.65 | 4259723.04 | 0.25722 | 0.00027 | 0.00076 | 1.33177E-04 | 0.00040 |
| 524265.2 | 4259620.63 | 0.20204 | 0.00021 | 0.00110 | 1.92757E-04 | 0.00041 |
| 524284.88 | 4259588.39 | 0.19856 | 0.00021 | 0.00095 | 1.66472E-04 | 0.00038 |
| 524305.71 | 4259554.73 | 0.19401 | 0.00020 | 0.00102 | 1.78738E-04 | 0.00038 |
| 524315.12 | 4259565 | 0.21004 | 0.00022 | 0.00069 | 1.20911E-04 | 0.00034 |
| 524303.99 | 4259604.08 | 0.22817 | 0.00024 | 0.00054 | 9.46260E-05 | 0.00033 |
| 524638.04 | 4260127.68 | 2.83432 | 0.00298 | 0.00002 | 3.50466E-06 | 0.00299 |
| 524645.94 | 4260114.25 | 2.45624 | 0.00259 | 0.00002 | 3.50466E-06 | 0.00259 |
| 524647.12 | 4260105.17 | 2.35648 | 0.00248 | 0.00002 | 3.50466E-06 | 0.00248 |
| 524662.52 | 4260077.53 | 1.77325 | 0.00187 | 0.00002 | 3.50466E-06 | 0.00187 |
| 524692.14 | 4260053.84 | 1.21786 | 0.00128 | 0.00002 | 3.50466E-06 | 0.00129 |
| 524752.55 | 4260050.68 | 0.80613 | 0.00085 | 0.00001 | 1.75233E-06 | 0.00085 |
| 524338.94 | 4260404.55 | 3.80975 | 0.00401 | 0.00004 | 7.00933E-06 | 0.00402 |
| 524441.43 | 4260403.88 | 4.15918 | 0.00438 | 0.00003 | 5.25700E-06 | 0.00438 |
| 524538.99 | 4260369.97 | 2.65092 | 0.00279 | 0.00002 | 3.50466E-06 | 0.00279 |
| 524566.4 | 4260356.96 | 2.37859 | 0.00250 | 0.00002 | 3.50466E-06 | 0.00251 |
| 524530.17 | 4260389.94 | 2.53701 | 0.00267 | 0.00002 | 3.50466E-06 | 0.00267 |
| 524498.28 | 4260239.21 | 14.14181 | 0.01488 | 0.00004 | 7.00933E-06 | 0.01489 |
| 524477.41 | 4260262.98 | 13.77617 | 0.01450 | 0.00004 | 7.00933E-06 | 0.01451 |
| 524494.8 | 4260256.02 | 12.46909 | 0.01312 | 0.00004 | 7.00933E-06 | 0.01313 |
| 524515.67 | 4260222.4 | 13.04118 | 0.01373 | 0.00004 | 7.00933E-06 | 0.01373 |
| 524519.73 | 4260238.63 | 10.67239 | 0.01123 | 0.00004 | 7.00933E-06 | 0.01124 |
| 524519.15 | 4260249.06 | 9.76543 | 0.01028 | 0.00003 | 5.25700E-06 | 0.01028 |
| 524529 | 4260210.8 | 12.02879 | 0.01266 | 0.00004 | 7.00933E-06 | 0.01267 |
| 524535.38 | 4260221.82 | 10.21628 | 0.01075 | 0.00003 | 5.25700E-06 | 0.01076 |
| 524534.22 | 4260237.47 | 9.04324 | 0.00952 | 0.00003 | 5.25700E-06 | 0.00952 |
| 524546.97 | 4260196.89 | 10.1477 | 0.01068 | 0.00003 | 5.25700E-06 | 0.01069 |
| 524546.97 | 4260211.38 | 9.35687 | 0.00985 | 0.00003 | 5.25700E-06 | 0.00985 |
| 524549.87 | 4260224.14 | 8.30297 | 0.00874 | 0.00003 | 5.25700E-06 | 0.00874 |
| 524560.3 | 4260187.04 | 8.84755 | 0.00931 | 0.00003 | 5.25700E-06 | 0.00932 |
| 524569 | 4260203.85 | 7.21438 | 0.00759 | 0.00003 | 5.25700E-06 | 0.00760 |
| 524580.01 | 4260180.66 | 6.91629 | 0.00728 | 0.00003 | 5.25700E-06 | 0.00728 |
| 524580.01 | 4260198.05 | 6.47651 | 0.00682 | 0.00003 | 5.25700E-06 | 0.00682 |
| 524588.13 | 4260163.27 | 6.38813 | 0.00672 | 0.00003 | 5.25700E-06 | 0.00673 |
| 524598.57 | 4260182.98 | 5.35106 | 0.00563 | 0.00003 | 5.25700E-06 | 0.00564 |
| 524596.25 | 4260169.64 | 5.61282 | 0.00591 | 0.00003 | 5.25700E-06 | 0.00591 |

## Oakmont Emerald Isle

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | Unit DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 3rd Trimester | 1 | 10 | 361 | 0.85 | 0.25 | 11.6 |
| 1 | 1 | 10 | 1090 | 0.85 | 1 | 139.6 |
| 2 | 1 | 10 | 1090 | 0.85 | 1 | 139.6 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** **Tier IV** **at Sensitive Recptors**

**Estimated Cancer Risks from Construction DPM - Infant Receptors**

| X (m) | Y (m) | InfantCancer Risk (3rd Trimester) 2018 (/million) | Infant Cancer Risk (year 1) 2018 (/million) | Infant Cancer Risk (year 2) 2019 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.005 | 0.058 | 0.048 | 0.11133 |
| 524149.22 | 4260065.3 | 0.006 | 0.074 | 0.058 | 0.13826 |
| 524164.22 | 4260065.3 | 0.007 | 0.081 | 0.065 | 0.15284 |
| 524179.22 | 4260065.3 | 0.007 | 0.086 | 0.071 | 0.16438 |
| 524194.22 | 4260065.3 | 0.008 | 0.094 | 0.079 | 0.18005 |
| 524209.22 | 4260065.3 | 0.009 | 0.103 | 0.088 | 0.20012 |
| 524224.22 | 4260065.3 | 0.010 | 0.116 | 0.101 | 0.22610 |
| 524239.22 | 4260065.3 | 0.011 | 0.132 | 0.118 | 0.26042 |
| 524254.22 | 4260065.3 | 0.013 | 0.153 | 0.140 | 0.30654 |
| 524269.22 | 4260065.3 | 0.015 | 0.183 | 0.172 | 0.37000 |
| 524134.22 | 4260080.3 | 0.005 | 0.055 | 0.047 | 0.10667 |
| 524149.22 | 4260080.3 | 0.005 | 0.065 | 0.055 | 0.12571 |
| 524164.22 | 4260080.3 | 0.006 | 0.073 | 0.062 | 0.14142 |
| 524179.22 | 4260080.3 | 0.007 | 0.079 | 0.069 | 0.15511 |
| 524194.22 | 4260080.3 | 0.007 | 0.087 | 0.077 | 0.17124 |
| 524209.22 | 4260080.3 | 0.008 | 0.096 | 0.088 | 0.19174 |
| 524224.22 | 4260080.3 | 0.009 | 0.109 | 0.101 | 0.21898 |
| 524239.22 | 4260080.3 | 0.010 | 0.126 | 0.120 | 0.25585 |
| 524254.22 | 4260080.3 | 0.012 | 0.149 | 0.145 | 0.30612 |
| 524269.22 | 4260080.3 | 0.015 | 0.182 | 0.181 | 0.37865 |
| 524134.22 | 4260095.3 | 0.004 | 0.053 | 0.048 | 0.10523 |
| 524149.22 | 4260095.3 | 0.005 | 0.062 | 0.055 | 0.12243 |
| 524164.22 | 4260095.3 | 0.006 | 0.070 | 0.063 | 0.13813 |
| 524179.22 | 4260095.3 | 0.006 | 0.077 | 0.070 | 0.15383 |
| 524194.22 | 4260095.3 | 0.007 | 0.086 | 0.080 | 0.17258 |
| 524209.22 | 4260095.3 | 0.008 | 0.096 | 0.092 | 0.19586 |
| 524224.22 | 4260095.3 | 0.009 | 0.110 | 0.108 | 0.22719 |
| 524239.22 | 4260095.3 | 0.011 | 0.130 | 0.129 | 0.27004 |
| 524254.22 | 4260095.3 | 0.013 | 0.157 | 0.159 | 0.32873 |
| 524269.22 | 4260095.3 | 0.016 | 0.196 | 0.203 | 0.41486 |
| 524134.22 | 4260110.3 | 0.004 | 0.052 | 0.048 | 0.10423 |
| 524149.22 | 4260110.3 | 0.005 | 0.060 | 0.056 | 0.12047 |
| 524164.22 | 4260110.3 | 0.006 | 0.068 | 0.064 | 0.13809 |
| 524179.22 | 4260110.3 | 0.006 | 0.077 | 0.073 | 0.15699 |
| 524194.22 | 4260110.3 | 0.007 | 0.087 | 0.085 | 0.17919 |
| 524209.22 | 4260110.3 | 0.008 | 0.100 | 0.099 | 0.20710 |
| 524224.22 | 4260110.3 | 0.010 | 0.117 | 0.118 | 0.24480 |
| 524239.22 | 4260110.3 | 0.012 | 0.140 | 0.144 | 0.29604 |
| 524254.22 | 4260110.3 | 0.014 | 0.173 | 0.181 | 0.36806 |
| 524269.22 | 4260110.3 | 0.018 | 0.221 | 0.234 | 0.47334 |
| 524134.22 | 4260125.3 | 0.004 | 0.052 | 0.050 | 0.10580 |
| 524149.22 | 4260125.3 | 0.005 | 0.060 | 0.058 | 0.12217 |
| 524164.22 | 4260125.3 | 0.006 | 0.069 | 0.067 | 0.14112 |
| 524179.22 | 4260125.3 | 0.007 | 0.079 | 0.078 | 0.16299 |
| 524194.22 | 4260125.3 | 0.008 | 0.091 | 0.091 | 0.18933 |
| 524209.22 | 4260125.3 | 0.009 | 0.107 | 0.108 | 0.22372 |
| 524224.22 | 4260125.3 | 0.011 | 0.127 | 0.131 | 0.26930 |
| 524239.22 | 4260125.3 | 0.013 | 0.156 | 0.163 | 0.33191 |
| 524254.22 | 4260125.3 | 0.016 | 0.196 | 0.208 | 0.42050 |
| 524269.22 | 4260125.3 | 0.021 | 0.255 | 0.274 | 0.55085 |
| 524134.22 | 4260140.3 | 0.004 | 0.052 | 0.052 | 0.10858 |
| 524149.22 | 4260140.3 | 0.005 | 0.061 | 0.060 | 0.12590 |
| 524164.22 | 4260140.3 | 0.006 | 0.070 | 0.070 | 0.14663 |
| 524179.22 | 4260140.3 | 0.007 | 0.082 | 0.083 | 0.17190 |
| 524194.22 | 4260140.3 | 0.008 | 0.097 | 0.099 | 0.20358 |
| 524209.22 | 4260140.3 | 0.010 | 0.115 | 0.120 | 0.24459 |
| 524224.22 | 4260140.3 | 0.012 | 0.140 | 0.148 | 0.29959 |
| 524239.22 | 4260140.3 | 0.014 | 0.175 | 0.186 | 0.37573 |
| 524254.22 | 4260140.3 | 0.019 | 0.224 | 0.241 | 0.48357 |
| 524269.22 | 4260140.3 | 0.025 | 0.296 | 0.321 | 0.64205 |
| 524134.22 | 4260155.3 | 0.004 | 0.054 | 0.055 | 0.11343 |
| 524149.22 | 4260155.3 | 0.005 | 0.062 | 0.063 | 0.13091 |
| 524164.22 | 4260155.3 | 0.006 | 0.073 | 0.075 | 0.15422 |
| 524179.22 | 4260155.3 | 0.007 | 0.086 | 0.089 | 0.18260 |
| 524194.22 | 4260155.3 | 0.009 | 0.103 | 0.107 | 0.21875 |
| 524209.22 | 4260155.3 | 0.010 | 0.125 | 0.131 | 0.26654 |
| 524224.22 | 4260155.3 | 0.013 | 0.154 | 0.164 | 0.33160 |
| 524239.22 | 4260155.3 | 0.016 | 0.196 | 0.211 | 0.42298 |
| 524254.22 | 4260155.3 | 0.021 | 0.255 | 0.276 | 0.55215 |
| 524269.22 | 4260155.3 | 0.028 | 0.341 | 0.372 | 0.74130 |
| 524134.22 | 4260170.3 | 0.005 | 0.057 | 0.058 | 0.11951 |
| 524149.22 | 4260170.3 | 0.005 | 0.066 | 0.068 | 0.13884 |
| 524164.22 | 4260170.3 | 0.006 | 0.077 | 0.080 | 0.16409 |
| 524179.22 | 4260170.3 | 0.008 | 0.092 | 0.097 | 0.19630 |
| 524194.22 | 4260170.3 | 0.009 | 0.111 | 0.117 | 0.23748 |
| 524209.22 | 4260170.3 | 0.011 | 0.136 | 0.145 | 0.29151 |
| 524224.22 | 4260170.3 | 0.014 | 0.170 | 0.183 | 0.36681 |
| 524239.22 | 4260170.3 | 0.018 | 0.218 | 0.237 | 0.47302 |
| 524254.22 | 4260170.3 | 0.024 | 0.287 | 0.313 | 0.62297 |
| 524269.22 | 4260170.3 | 0.032 | 0.386 | 0.424 | 0.84194 |
| 524134.22 | 4260185.3 | 0.005 | 0.061 | 0.063 | 0.12917 |
| 524149.22 | 4260185.3 | 0.006 | 0.071 | 0.074 | 0.15077 |
| 524164.22 | 4260185.3 | 0.007 | 0.083 | 0.088 | 0.17792 |
| 524179.22 | 4260185.3 | 0.008 | 0.099 | 0.106 | 0.21327 |
| 524194.22 | 4260185.3 | 0.010 | 0.121 | 0.129 | 0.25994 |
| 524209.22 | 4260185.3 | 0.012 | 0.149 | 0.160 | 0.32140 |
| 524224.22 | 4260185.3 | 0.016 | 0.187 | 0.203 | 0.40598 |
| 524239.22 | 4260185.3 | 0.020 | 0.241 | 0.263 | 0.52345 |
| 524254.22 | 4260185.3 | 0.026 | 0.316 | 0.346 | 0.68820 |
| 524269.22 | 4260185.3 | 0.035 | 0.426 | 0.469 | 0.92949 |
| 524134.22 | 4260200.3 | 0.005 | 0.066 | 0.070 | 0.14144 |
| 524149.22 | 4260200.3 | 0.006 | 0.077 | 0.082 | 0.16503 |
| 524164.22 | 4260200.3 | 0.008 | 0.091 | 0.097 | 0.19497 |
| 524179.22 | 4260200.3 | 0.009 | 0.108 | 0.116 | 0.23341 |
| 524194.22 | 4260200.3 | 0.011 | 0.132 | 0.142 | 0.28529 |
| 524209.22 | 4260200.3 | 0.014 | 0.164 | 0.177 | 0.35479 |
| 524224.22 | 4260200.3 | 0.017 | 0.206 | 0.224 | 0.44683 |
| 524239.22 | 4260200.3 | 0.022 | 0.263 | 0.288 | 0.57284 |
| 524254.22 | 4260200.3 | 0.028 | 0.343 | 0.378 | 0.74954 |
| 524269.22 | 4260200.3 | 0.038 | 0.459 | 0.506 | 1.00343 |
| 524134.22 | 4260215.3 | 0.006 | 0.073 | 0.078 | 0.15717 |
| 524149.22 | 4260215.3 | 0.007 | 0.085 | 0.091 | 0.18348 |
| 524164.22 | 4260215.3 | 0.008 | 0.101 | 0.108 | 0.21670 |
| 524179.22 | 4260215.3 | 0.010 | 0.119 | 0.129 | 0.25828 |
| 524194.22 | 4260215.3 | 0.012 | 0.146 | 0.158 | 0.31552 |
| 524209.22 | 4260215.3 | 0.015 | 0.180 | 0.196 | 0.39146 |
| 524224.22 | 4260215.3 | 0.019 | 0.226 | 0.247 | 0.49120 |
| 524239.22 | 4260215.3 | 0.024 | 0.286 | 0.314 | 0.62326 |
| 524254.22 | 4260215.3 | 0.031 | 0.369 | 0.407 | 0.80640 |
| 524269.22 | 4260215.3 | 0.040 | 0.485 | 0.536 | 1.06128 |
| 524134.22 | 4260230.3 | 0.007 | 0.080 | 0.086 | 0.17264 |
| 524149.22 | 4260230.3 | 0.008 | 0.094 | 0.101 | 0.20215 |
| 524164.22 | 4260230.3 | 0.009 | 0.110 | 0.119 | 0.23863 |
| 524179.22 | 4260230.3 | 0.011 | 0.131 | 0.142 | 0.28413 |
| 524194.22 | 4260230.3 | 0.013 | 0.159 | 0.173 | 0.34524 |
| 524209.22 | 4260230.3 | 0.016 | 0.196 | 0.215 | 0.42745 |
| 524224.22 | 4260230.3 | 0.020 | 0.244 | 0.268 | 0.53238 |
| 524239.22 | 4260230.3 | 0.025 | 0.306 | 0.337 | 0.66889 |
| 524254.22 | 4260230.3 | 0.032 | 0.390 | 0.431 | 0.85304 |
| 524269.22 | 4260230.3 | 0.042 | 0.503 | 0.556 | 1.10008 |
| 524134.22 | 4260245.3 | 0.007 | 0.087 | 0.094 | 0.18830 |
| 524149.22 | 4260245.3 | 0.008 | 0.102 | 0.111 | 0.22173 |
| 524164.22 | 4260245.3 | 0.010 | 0.121 | 0.131 | 0.26153 |
| 524179.22 | 4260245.3 | 0.012 | 0.142 | 0.155 | 0.30850 |
| 524194.22 | 4260245.3 | 0.014 | 0.172 | 0.188 | 0.37387 |
| 524209.22 | 4260245.3 | 0.018 | 0.212 | 0.232 | 0.46105 |
| 524224.22 | 4260245.3 | 0.022 | 0.262 | 0.288 | 0.57077 |
| 524239.22 | 4260245.3 | 0.027 | 0.325 | 0.358 | 0.71010 |
| 524254.22 | 4260245.3 | 0.034 | 0.408 | 0.451 | 0.89222 |
| 524269.22 | 4260245.3 | 0.043 | 0.515 | 0.571 | 1.12860 |
| 524134.22 | 4260260.3 | 0.008 | 0.093 | 0.101 | 0.20268 |
| 524149.22 | 4260260.3 | 0.009 | 0.111 | 0.120 | 0.24018 |
| 524164.22 | 4260260.3 | 0.011 | 0.130 | 0.142 | 0.28323 |
| 524179.22 | 4260260.3 | 0.013 | 0.153 | 0.168 | 0.33362 |
| 524194.22 | 4260260.3 | 0.015 | 0.184 | 0.202 | 0.40075 |
| 524209.22 | 4260260.3 | 0.019 | 0.225 | 0.247 | 0.49067 |
| 524224.22 | 4260260.3 | 0.023 | 0.276 | 0.304 | 0.60230 |
| 524239.22 | 4260260.3 | 0.028 | 0.339 | 0.375 | 0.74166 |
| 524254.22 | 4260260.3 | 0.035 | 0.419 | 0.464 | 0.91789 |
| 524269.22 | 4260260.3 | 0.043 | 0.520 | 0.576 | 1.13903 |
| 524134.22 | 4260275.3 | 0.008 | 0.097 | 0.106 | 0.21131 |
| 524149.22 | 4260275.3 | 0.010 | 0.118 | 0.129 | 0.25670 |
| 524164.22 | 4260275.3 | 0.012 | 0.140 | 0.153 | 0.30451 |
| 524179.22 | 4260275.3 | 0.014 | 0.165 | 0.181 | 0.35992 |
| 524194.22 | 4260275.3 | 0.016 | 0.197 | 0.216 | 0.42940 |
| 524209.22 | 4260275.3 | 0.020 | 0.237 | 0.261 | 0.51837 |
| 524224.22 | 4260275.3 | 0.024 | 0.287 | 0.317 | 0.62811 |
| 524239.22 | 4260275.3 | 0.029 | 0.349 | 0.386 | 0.76328 |
| 524254.22 | 4260275.3 | 0.035 | 0.426 | 0.471 | 0.93216 |
| 524269.22 | 4260275.3 | 0.043 | 0.520 | 0.576 | 1.13952 |
| 524134.22 | 4260290.3 | 0.008 | 0.101 | 0.110 | 0.21908 |
| 524149.22 | 4260290.3 | 0.010 | 0.123 | 0.134 | 0.26683 |
| 524164.22 | 4260290.3 | 0.012 | 0.148 | 0.162 | 0.32207 |
| 524179.22 | 4260290.3 | 0.015 | 0.175 | 0.193 | 0.38224 |
| 524194.22 | 4260290.3 | 0.017 | 0.208 | 0.229 | 0.45362 |
| 524209.22 | 4260290.3 | 0.020 | 0.247 | 0.273 | 0.54081 |
| 524224.22 | 4260290.3 | 0.025 | 0.296 | 0.327 | 0.64754 |
| 524239.22 | 4260290.3 | 0.029 | 0.354 | 0.392 | 0.77598 |
| 524254.22 | 4260290.3 | 0.035 | 0.427 | 0.473 | 0.93517 |
| 524269.22 | 4260290.3 | 0.043 | 0.514 | 0.569 | 1.12565 |
| 524134.22 | 4260305.3 | 0.009 | 0.105 | 0.115 | 0.22942 |
| 524149.22 | 4260305.3 | 0.010 | 0.127 | 0.139 | 0.27587 |
| 524164.22 | 4260305.3 | 0.013 | 0.154 | 0.169 | 0.33617 |
| 524179.22 | 4260305.3 | 0.015 | 0.183 | 0.201 | 0.39924 |
| 524194.22 | 4260305.3 | 0.018 | 0.216 | 0.239 | 0.47266 |
| 524209.22 | 4260305.3 | 0.021 | 0.255 | 0.282 | 0.55878 |
| 524224.22 | 4260305.3 | 0.025 | 0.302 | 0.335 | 0.66201 |
| 524239.22 | 4260305.3 | 0.030 | 0.358 | 0.396 | 0.78393 |
| 524254.22 | 4260305.3 | 0.035 | 0.424 | 0.470 | 0.92991 |
| 524269.22 | 4260305.3 | 0.042 | 0.502 | 0.557 | 1.10041 |
| 524134.22 | 4260320.3 | 0.009 | 0.110 | 0.121 | 0.23951 |
| 524149.22 | 4260320.3 | 0.011 | 0.130 | 0.143 | 0.28472 |
| 524164.22 | 4260320.3 | 0.013 | 0.157 | 0.173 | 0.34333 |
| 524179.22 | 4260320.3 | 0.016 | 0.188 | 0.207 | 0.41090 |
| 524194.22 | 4260320.3 | 0.018 | 0.221 | 0.245 | 0.48441 |
| 524209.22 | 4260320.3 | 0.022 | 0.260 | 0.288 | 0.56943 |
| 524224.22 | 4260320.3 | 0.025 | 0.305 | 0.337 | 0.66784 |
| 524239.22 | 4260320.3 | 0.030 | 0.357 | 0.395 | 0.78202 |
| 524254.22 | 4260320.3 | 0.035 | 0.417 | 0.463 | 0.91457 |
| 524269.22 | 4260320.3 | 0.040 | 0.486 | 0.539 | 1.06579 |
| 524134.22 | 4260335.3 | 0.009 | 0.114 | 0.126 | 0.24919 |
| 524149.22 | 4260335.3 | 0.011 | 0.135 | 0.149 | 0.29556 |
| 524164.22 | 4260335.3 | 0.013 | 0.162 | 0.178 | 0.35297 |
| 524179.22 | 4260335.3 | 0.016 | 0.192 | 0.212 | 0.41981 |
| 524194.22 | 4260335.3 | 0.019 | 0.224 | 0.248 | 0.49090 |
| 524209.22 | 4260335.3 | 0.022 | 0.261 | 0.289 | 0.57116 |
| 524224.22 | 4260335.3 | 0.025 | 0.303 | 0.336 | 0.66380 |
| 524239.22 | 4260335.3 | 0.029 | 0.351 | 0.389 | 0.76969 |
| 524254.22 | 4260335.3 | 0.034 | 0.407 | 0.451 | 0.89114 |
| 524269.22 | 4260335.3 | 0.039 | 0.469 | 0.520 | 1.02783 |
| 524134.22 | 4260350.3 | 0.010 | 0.118 | 0.130 | 0.25862 |
| 524149.22 | 4260350.3 | 0.012 | 0.139 | 0.154 | 0.30457 |
| 524164.22 | 4260350.3 | 0.014 | 0.166 | 0.183 | 0.36202 |
| 524179.22 | 4260350.3 | 0.016 | 0.194 | 0.215 | 0.42486 |
| 524194.22 | 4260350.3 | 0.019 | 0.225 | 0.249 | 0.49276 |
| 524209.22 | 4260350.3 | 0.022 | 0.260 | 0.287 | 0.56858 |
| 524224.22 | 4260350.3 | 0.025 | 0.299 | 0.331 | 0.65495 |
| 524239.22 | 4260350.3 | 0.028 | 0.343 | 0.381 | 0.75260 |
| 524254.22 | 4260350.3 | 0.033 | 0.393 | 0.436 | 0.86242 |
| 524269.22 | 4260350.3 | 0.037 | 0.449 | 0.498 | 0.98383 |
| 524204.65 | 4260012.52 | 0.006 | 0.067 | 0.060 | 0.13251 |
| 524203.43 | 4260005.01 | 0.005 | 0.064 | 0.058 | 0.12741 |
| 524204.65 | 4259997.73 | 0.005 | 0.062 | 0.057 | 0.12417 |
| 524204.4 | 4259988.28 | 0.005 | 0.060 | 0.055 | 0.12029 |
| 524189.13 | 4260004.28 | 0.005 | 0.062 | 0.054 | 0.12126 |
| 524189.37 | 4259993.85 | 0.005 | 0.060 | 0.052 | 0.11668 |
| 524190.83 | 4259982.7 | 0.005 | 0.058 | 0.051 | 0.11426 |
| 524246.78 | 4259946.49 | 0.006 | 0.074 | 0.076 | 0.15696 |
| 524255.34 | 4259929.66 | 0.006 | 0.078 | 0.081 | 0.16580 |
| 524250.49 | 4259937.65 | 0.006 | 0.076 | 0.078 | 0.16049 |
| 524232.52 | 4259935.94 | 0.005 | 0.066 | 0.066 | 0.13718 |
| 524220.54 | 4259937.94 | 0.005 | 0.061 | 0.060 | 0.12585 |
| 524212.55 | 4259949.92 | 0.005 | 0.059 | 0.056 | 0.12016 |
| 524206.28 | 4259957.62 | 0.005 | 0.058 | 0.054 | 0.11718 |
| 524199.43 | 4259957.05 | 0.005 | 0.057 | 0.052 | 0.11383 |
| 524188.31 | 4259954.48 | 0.005 | 0.057 | 0.050 | 0.11204 |
| 524196.86 | 4259946.49 | 0.005 | 0.057 | 0.051 | 0.11289 |
| 524203.71 | 4259947.63 | 0.005 | 0.057 | 0.053 | 0.11521 |
| 524199.43 | 4259934.8 | 0.005 | 0.057 | 0.052 | 0.11343 |
| 524206.56 | 4259925.1 | 0.005 | 0.058 | 0.054 | 0.11647 |
| 524213.12 | 4259917.68 | 0.005 | 0.059 | 0.056 | 0.11937 |
| 524241.93 | 4259920.25 | 0.006 | 0.069 | 0.070 | 0.14543 |
| 524215.97 | 4259907.7 | 0.005 | 0.059 | 0.057 | 0.12092 |
| 524221.11 | 4259892.3 | 0.005 | 0.060 | 0.058 | 0.12309 |
| 524238.79 | 4259898.86 | 0.005 | 0.066 | 0.067 | 0.13798 |
| 524238.79 | 4259907.98 | 0.006 | 0.067 | 0.067 | 0.13973 |
| 524237.37 | 4259884.59 | 0.005 | 0.064 | 0.065 | 0.13428 |
| 524214.83 | 4259881.17 | 0.005 | 0.059 | 0.056 | 0.11954 |
| 524203.14 | 4259873.47 | 0.005 | 0.058 | 0.053 | 0.11587 |
| 524198.29 | 4259867.19 | 0.005 | 0.059 | 0.052 | 0.11583 |
| 524232.8 | 4259867.19 | 0.005 | 0.062 | 0.061 | 0.12855 |
| 524233.09 | 4259857.5 | 0.005 | 0.061 | 0.060 | 0.12697 |
| 524235.66 | 4259852.36 | 0.005 | 0.062 | 0.061 | 0.12809 |
| 524239.65 | 4259845.51 | 0.005 | 0.062 | 0.062 | 0.12912 |
| 524243.93 | 4259834.68 | 0.005 | 0.063 | 0.062 | 0.12979 |
| 524250.49 | 4259823.84 | 0.005 | 0.063 | 0.063 | 0.13081 |
| 524243.64 | 4259822.12 | 0.005 | 0.061 | 0.060 | 0.12673 |
| 524232.8 | 4259816.13 | 0.005 | 0.059 | 0.057 | 0.12097 |
| 524225.1 | 4259826.4 | 0.005 | 0.059 | 0.056 | 0.11970 |
| 524218.26 | 4259836.67 | 0.005 | 0.059 | 0.055 | 0.11877 |
| 524210.55 | 4259846.94 | 0.005 | 0.058 | 0.054 | 0.11706 |
| 524202 | 4259857.5 | 0.005 | 0.059 | 0.053 | 0.11665 |
| 524265.77 | 4259728.17 | 0.005 | 0.060 | 0.054 | 0.11897 |
| 524273.47 | 4259713.63 | 0.005 | 0.059 | 0.053 | 0.11780 |
| 524276.89 | 4259698.51 | 0.005 | 0.058 | 0.052 | 0.11540 |
| 524260.92 | 4259693.94 | 0.006 | 0.068 | 0.055 | 0.12860 |
| 524251.79 | 4259711.06 | 0.006 | 0.071 | 0.058 | 0.13492 |
| 524250.65 | 4259723.04 | 0.006 | 0.068 | 0.056 | 0.13014 |
| 524265.2 | 4259620.63 | 0.006 | 0.076 | 0.057 | 0.13902 |
| 524284.88 | 4259588.39 | 0.006 | 0.069 | 0.052 | 0.12704 |
| 524305.71 | 4259554.73 | 0.006 | 0.071 | 0.053 | 0.13084 |
| 524315.12 | 4259565 | 0.005 | 0.059 | 0.048 | 0.11135 |
| 524303.99 | 4259604.08 | 0.005 | 0.054 | 0.047 | 0.10563 |
| 524638.04 | 4260127.68 | 0.031 | 0.375 | 0.417 | 0.82290 |
| 524645.94 | 4260114.25 | 0.027 | 0.325 | 0.361 | 0.71333 |
| 524647.12 | 4260105.17 | 0.026 | 0.312 | 0.347 | 0.68441 |
| 524662.52 | 4260077.53 | 0.019 | 0.235 | 0.261 | 0.51538 |
| 524692.14 | 4260053.84 | 0.013 | 0.162 | 0.179 | 0.35442 |
| 524752.55 | 4260050.68 | 0.009 | 0.107 | 0.119 | 0.23436 |
| 524338.94 | 4260404.55 | 0.042 | 0.505 | 0.561 | 1.10706 |
| 524441.43 | 4260403.88 | 0.046 | 0.550 | 0.612 | 1.20760 |
| 524538.99 | 4260369.97 | 0.029 | 0.351 | 0.390 | 0.76975 |
| 524566.4 | 4260356.96 | 0.026 | 0.315 | 0.350 | 0.69082 |
| 524530.17 | 4260389.94 | 0.028 | 0.336 | 0.373 | 0.73674 |
| 524498.28 | 4260239.21 | 0.155 | 1.868 | 2.079 | 4.10149 |
| 524477.41 | 4260262.98 | 0.151 | 1.820 | 2.025 | 3.99552 |
| 524494.8 | 4260256.02 | 0.136 | 1.647 | 1.833 | 3.61670 |
| 524515.67 | 4260222.4 | 0.143 | 1.723 | 1.917 | 3.78250 |
| 524519.73 | 4260238.63 | 0.117 | 1.410 | 1.569 | 3.09598 |
| 524519.15 | 4260249.06 | 0.107 | 1.290 | 1.436 | 2.83240 |
| 524529 | 4260210.8 | 0.132 | 1.589 | 1.768 | 3.48909 |
| 524535.38 | 4260221.82 | 0.112 | 1.349 | 1.502 | 2.96306 |
| 524534.22 | 4260237.47 | 0.099 | 1.195 | 1.330 | 2.62309 |
| 524546.97 | 4260196.89 | 0.111 | 1.340 | 1.492 | 2.94319 |
| 524546.97 | 4260211.38 | 0.102 | 1.236 | 1.376 | 2.71399 |
| 524549.87 | 4260224.14 | 0.091 | 1.097 | 1.221 | 2.40855 |
| 524560.3 | 4260187.04 | 0.097 | 1.169 | 1.301 | 2.56638 |
| 524569 | 4260203.85 | 0.079 | 0.953 | 1.061 | 2.09306 |
| 524580.01 | 4260180.66 | 0.076 | 0.914 | 1.017 | 2.00666 |
| 524580.01 | 4260198.05 | 0.071 | 0.856 | 0.952 | 1.87921 |
| 524588.13 | 4260163.27 | 0.070 | 0.844 | 0.939 | 1.85359 |
| 524598.57 | 4260182.98 | 0.059 | 0.707 | 0.787 | 1.55303 |
| 524596.25 | 4260169.64 | 0.061 | 0.742 | 0.825 | 1.62889 |

**Maximum Caner Risk**
4.1

**BAAQMD threshold of significance**
10

**Exceed thresholds?**
No

## Oakmont Emerald Isle

**Tier IV**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child**
**UTM: (565046,4185977)**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 1 | 1 | 3 | 572 | 0.73 | 1 | 18.9 |
| 2 | 1 | 3 | 572 | 0.73 | 1 | 18.9 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** Tier IV at Sensitive Receptors

**Estimated Cancer Risks from Construction DPM**

| X (m) | Y (m) | Child Cancer Risk (year 1) 2017 (/million) | Child Cancer Risk (year 2) 2017 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.008 | 0.007 | 0.01440 |
| 524149.22 | 4260065.3 | 0.010 | 0.008 | 0.01787 |
| 524164.22 | 4260065.3 | 0.011 | 0.009 | 0.01976 |
| 524179.22 | 4260065.3 | 0.012 | 0.010 | 0.02126 |
| 524194.22 | 4260065.3 | 0.013 | 0.011 | 0.02329 |
| 524209.22 | 4260065.3 | 0.014 | 0.012 | 0.02590 |
| 524224.22 | 4260065.3 | 0.016 | 0.014 | 0.02928 |
| 524239.22 | 4260065.3 | 0.018 | 0.016 | 0.03374 |
| 524254.22 | 4260065.3 | 0.021 | 0.019 | 0.03973 |
| 524269.22 | 4260065.3 | 0.025 | 0.023 | 0.04798 |
| 524134.22 | 4260080.3 | 0.007 | 0.006 | 0.01381 |
| 524149.22 | 4260080.3 | 0.009 | 0.007 | 0.01627 |
| 524164.22 | 4260080.3 | 0.010 | 0.008 | 0.01830 |
| 524179.22 | 4260080.3 | 0.011 | 0.009 | 0.02008 |
| 524194.22 | 4260080.3 | 0.012 | 0.010 | 0.02218 |
| 524209.22 | 4260080.3 | 0.013 | 0.012 | 0.02485 |
| 524224.22 | 4260080.3 | 0.015 | 0.014 | 0.02839 |
| 524239.22 | 4260080.3 | 0.017 | 0.016 | 0.03319 |
| 524254.22 | 4260080.3 | 0.020 | 0.020 | 0.03972 |
| 524269.22 | 4260080.3 | 0.025 | 0.025 | 0.04916 |
| 524134.22 | 4260095.3 | 0.007 | 0.006 | 0.01363 |
| 524149.22 | 4260095.3 | 0.008 | 0.007 | 0.01586 |
| 524164.22 | 4260095.3 | 0.009 | 0.008 | 0.01789 |
| 524179.22 | 4260095.3 | 0.010 | 0.010 | 0.01994 |
| 524194.22 | 4260095.3 | 0.012 | 0.011 | 0.02238 |
| 524209.22 | 4260095.3 | 0.013 | 0.012 | 0.02541 |
| 524224.22 | 4260095.3 | 0.015 | 0.015 | 0.02948 |
| 524239.22 | 4260095.3 | 0.018 | 0.017 | 0.03506 |
| 524254.22 | 4260095.3 | 0.021 | 0.022 | 0.04269 |
| 524269.22 | 4260095.3 | 0.026 | 0.027 | 0.05390 |
| 524134.22 | 4260110.3 | 0.007 | 0.007 | 0.01352 |
| 524149.22 | 4260110.3 | 0.008 | 0.008 | 0.01562 |
| 524164.22 | 4260110.3 | 0.009 | 0.009 | 0.01791 |
| 524179.22 | 4260110.3 | 0.010 | 0.010 | 0.02036 |
| 524194.22 | 4260110.3 | 0.012 | 0.011 | 0.02325 |
| 524209.22 | 4260110.3 | 0.014 | 0.013 | 0.02688 |
| 524224.22 | 4260110.3 | 0.016 | 0.016 | 0.03179 |
| 524239.22 | 4260110.3 | 0.019 | 0.019 | 0.03845 |
| 524254.22 | 4260110.3 | 0.023 | 0.024 | 0.04783 |
| 524269.22 | 4260110.3 | 0.030 | 0.032 | 0.06152 |
| 524134.22 | 4260125.3 | 0.007 | 0.007 | 0.01373 |
| 524149.22 | 4260125.3 | 0.008 | 0.008 | 0.01585 |
| 524164.22 | 4260125.3 | 0.009 | 0.009 | 0.01831 |
| 524179.22 | 4260125.3 | 0.011 | 0.010 | 0.02115 |
| 524194.22 | 4260125.3 | 0.012 | 0.012 | 0.02458 |
| 524209.22 | 4260125.3 | 0.014 | 0.015 | 0.02906 |
| 524224.22 | 4260125.3 | 0.017 | 0.018 | 0.03499 |
| 524239.22 | 4260125.3 | 0.021 | 0.022 | 0.04313 |
| 524254.22 | 4260125.3 | 0.027 | 0.028 | 0.05466 |
| 524269.22 | 4260125.3 | 0.035 | 0.037 | 0.07162 |
| 524134.22 | 4260140.3 | 0.007 | 0.007 | 0.01410 |
| 524149.22 | 4260140.3 | 0.008 | 0.008 | 0.01634 |
| 524164.22 | 4260140.3 | 0.010 | 0.010 | 0.01904 |
| 524179.22 | 4260140.3 | 0.011 | 0.011 | 0.02232 |
| 524194.22 | 4260140.3 | 0.013 | 0.013 | 0.02644 |
| 524209.22 | 4260140.3 | 0.016 | 0.016 | 0.03178 |
| 524224.22 | 4260140.3 | 0.019 | 0.020 | 0.03893 |
| 524239.22 | 4260140.3 | 0.024 | 0.025 | 0.04884 |
| 524254.22 | 4260140.3 | 0.030 | 0.033 | 0.06287 |
| 524269.22 | 4260140.3 | 0.040 | 0.043 | 0.08349 |
| 524134.22 | 4260155.3 | 0.007 | 0.007 | 0.01473 |
| 524149.22 | 4260155.3 | 0.008 | 0.009 | 0.01700 |
| 524164.22 | 4260155.3 | 0.010 | 0.010 | 0.02003 |
| 524179.22 | 4260155.3 | 0.012 | 0.012 | 0.02372 |
| 524194.22 | 4260155.3 | 0.014 | 0.015 | 0.02842 |
| 524209.22 | 4260155.3 | 0.017 | 0.018 | 0.03464 |
| 524224.22 | 4260155.3 | 0.021 | 0.022 | 0.04311 |
| 524239.22 | 4260155.3 | 0.026 | 0.028 | 0.05500 |
| 524254.22 | 4260155.3 | 0.034 | 0.037 | 0.07180 |
| 524269.22 | 4260155.3 | 0.046 | 0.050 | 0.09641 |
| 524134.22 | 4260170.3 | 0.008 | 0.008 | 0.01553 |
| 524149.22 | 4260170.3 | 0.009 | 0.009 | 0.01804 |
| 524164.22 | 4260170.3 | 0.010 | 0.011 | 0.02132 |
| 524179.22 | 4260170.3 | 0.012 | 0.013 | 0.02551 |
| 524194.22 | 4260170.3 | 0.015 | 0.016 | 0.03087 |
| 524209.22 | 4260170.3 | 0.018 | 0.020 | 0.03790 |
| 524224.22 | 4260170.3 | 0.023 | 0.025 | 0.04769 |
| 524239.22 | 4260170.3 | 0.030 | 0.032 | 0.06151 |
| 524254.22 | 4260170.3 | 0.039 | 0.042 | 0.08102 |
| 524269.22 | 4260170.3 | 0.052 | 0.057 | 0.10951 |
| 524134.22 | 4260185.3 | 0.008 | 0.009 | 0.01678 |
| 524149.22 | 4260185.3 | 0.010 | 0.010 | 0.01959 |
| 524164.22 | 4260185.3 | 0.011 | 0.012 | 0.02312 |
| 524179.22 | 4260185.3 | 0.013 | 0.014 | 0.02772 |
| 524194.22 | 4260185.3 | 0.016 | 0.017 | 0.03379 |
| 524209.22 | 4260185.3 | 0.020 | 0.022 | 0.04179 |
| 524224.22 | 4260185.3 | 0.025 | 0.027 | 0.05279 |
| 524239.22 | 4260185.3 | 0.033 | 0.036 | 0.06808 |
| 524254.22 | 4260185.3 | 0.043 | 0.047 | 0.08951 |
| 524269.22 | 4260185.3 | 0.058 | 0.063 | 0.12091 |
| 524134.22 | 4260200.3 | 0.009 | 0.009 | 0.01838 |
| 524149.22 | 4260200.3 | 0.010 | 0.011 | 0.02145 |
| 524164.22 | 4260200.3 | 0.012 | 0.013 | 0.02535 |
| 524179.22 | 4260200.3 | 0.015 | 0.016 | 0.03035 |
| 524194.22 | 4260200.3 | 0.018 | 0.019 | 0.03709 |
| 524209.22 | 4260200.3 | 0.022 | 0.024 | 0.04614 |
| 524224.22 | 4260200.3 | 0.028 | 0.030 | 0.05811 |
| 524239.22 | 4260200.3 | 0.036 | 0.039 | 0.07451 |
| 524254.22 | 4260200.3 | 0.046 | 0.051 | 0.09750 |
| 524269.22 | 4260200.3 | 0.062 | 0.068 | 0.13053 |
| 524134.22 | 4260215.3 | 0.010 | 0.011 | 0.02043 |
| 524149.22 | 4260215.3 | 0.012 | 0.012 | 0.02385 |
| 524164.22 | 4260215.3 | 0.014 | 0.015 | 0.02817 |
| 524179.22 | 4260215.3 | 0.016 | 0.017 | 0.03358 |
| 524194.22 | 4260215.3 | 0.020 | 0.021 | 0.04103 |
| 524209.22 | 4260215.3 | 0.024 | 0.027 | 0.05091 |
| 524224.22 | 4260215.3 | 0.031 | 0.033 | 0.06389 |
| 524239.22 | 4260215.3 | 0.039 | 0.042 | 0.08107 |
| 524254.22 | 4260215.3 | 0.050 | 0.055 | 0.10490 |
| 524269.22 | 4260215.3 | 0.066 | 0.072 | 0.13806 |
| 524134.22 | 4260230.3 | 0.011 | 0.012 | 0.02245 |
| 524149.22 | 4260230.3 | 0.013 | 0.014 | 0.02628 |
| 524164.22 | 4260230.3 | 0.015 | 0.016 | 0.03103 |
| 524179.22 | 4260230.3 | 0.018 | 0.019 | 0.03695 |
| 524194.22 | 4260230.3 | 0.021 | 0.023 | 0.04490 |
| 524209.22 | 4260230.3 | 0.027 | 0.029 | 0.05560 |
| 524224.22 | 4260230.3 | 0.033 | 0.036 | 0.06925 |
| 524239.22 | 4260230.3 | 0.041 | 0.046 | 0.08701 |
| 524254.22 | 4260230.3 | 0.053 | 0.058 | 0.11097 |
| 524269.22 | 4260230.3 | 0.068 | 0.075 | 0.14311 |
| 524134.22 | 4260245.3 | 0.012 | 0.013 | 0.02448 |
| 524149.22 | 4260245.3 | 0.014 | 0.015 | 0.02883 |
| 524164.22 | 4260245.3 | 0.016 | 0.018 | 0.03401 |
| 524179.22 | 4260245.3 | 0.019 | 0.021 | 0.04012 |
| 524194.22 | 4260245.3 | 0.023 | 0.025 | 0.04863 |
| 524209.22 | 4260245.3 | 0.029 | 0.031 | 0.05997 |
| 524224.22 | 4260245.3 | 0.035 | 0.039 | 0.07424 |
| 524239.22 | 4260245.3 | 0.044 | 0.048 | 0.09237 |
| 524254.22 | 4260245.3 | 0.055 | 0.061 | 0.11607 |
| 524269.22 | 4260245.3 | 0.070 | 0.077 | 0.14682 |
| 524134.22 | 4260260.3 | 0.013 | 0.014 | 0.02636 |
| 524149.22 | 4260260.3 | 0.015 | 0.016 | 0.03124 |
| 524164.22 | 4260260.3 | 0.018 | 0.019 | 0.03684 |
| 524179.22 | 4260260.3 | 0.021 | 0.023 | 0.04339 |
| 524194.22 | 4260260.3 | 0.025 | 0.027 | 0.05213 |
| 524209.22 | 4260260.3 | 0.030 | 0.033 | 0.06382 |
| 524224.22 | 4260260.3 | 0.037 | 0.041 | 0.07835 |
| 524239.22 | 4260260.3 | 0.046 | 0.051 | 0.09648 |
| 524254.22 | 4260260.3 | 0.057 | 0.063 | 0.11941 |
| 524269.22 | 4260260.3 | 0.070 | 0.078 | 0.14818 |
| 524134.22 | 4260275.3 | 0.013 | 0.014 | 0.02748 |
| 524149.22 | 4260275.3 | 0.016 | 0.017 | 0.03339 |
| 524164.22 | 4260275.3 | 0.019 | 0.021 | 0.03961 |
| 524179.22 | 4260275.3 | 0.022 | 0.024 | 0.04681 |
| 524194.22 | 4260275.3 | 0.027 | 0.029 | 0.05585 |
| 524209.22 | 4260275.3 | 0.032 | 0.035 | 0.06743 |
| 524224.22 | 4260275.3 | 0.039 | 0.043 | 0.08171 |
| 524239.22 | 4260275.3 | 0.047 | 0.052 | 0.09929 |
| 524254.22 | 4260275.3 | 0.058 | 0.064 | 0.12127 |
| 524269.22 | 4260275.3 | 0.070 | 0.078 | 0.14825 |
| 524134.22 | 4260290.3 | 0.014 | 0.015 | 0.02849 |
| 524149.22 | 4260290.3 | 0.017 | 0.018 | 0.03471 |
| 524164.22 | 4260290.3 | 0.020 | 0.022 | 0.04189 |
| 524179.22 | 4260290.3 | 0.024 | 0.026 | 0.04972 |
| 524194.22 | 4260290.3 | 0.028 | 0.031 | 0.05901 |
| 524209.22 | 4260290.3 | 0.033 | 0.037 | 0.07035 |
| 524224.22 | 4260290.3 | 0.040 | 0.044 | 0.08424 |
| 524239.22 | 4260290.3 | 0.048 | 0.053 | 0.10095 |
| 524254.22 | 4260290.3 | 0.058 | 0.064 | 0.12166 |
| 524269.22 | 4260290.3 | 0.069 | 0.077 | 0.14644 |
| 524134.22 | 4260305.3 | 0.014 | 0.016 | 0.02984 |
| 524149.22 | 4260305.3 | 0.017 | 0.019 | 0.03588 |
| 524164.22 | 4260305.3 | 0.021 | 0.023 | 0.04373 |
| 524179.22 | 4260305.3 | 0.025 | 0.027 | 0.05193 |
| 524194.22 | 4260305.3 | 0.029 | 0.032 | 0.06149 |
| 524209.22 | 4260305.3 | 0.035 | 0.038 | 0.07269 |
| 524224.22 | 4260305.3 | 0.041 | 0.045 | 0.08612 |
| 524239.22 | 4260305.3 | 0.048 | 0.054 | 0.10198 |
| 524254.22 | 4260305.3 | 0.057 | 0.064 | 0.12098 |
| 524269.22 | 4260305.3 | 0.068 | 0.075 | 0.14316 |
| 524134.22 | 4260320.3 | 0.015 | 0.016 | 0.03115 |
| 524149.22 | 4260320.3 | 0.018 | 0.019 | 0.03704 |
| 524164.22 | 4260320.3 | 0.021 | 0.023 | 0.04466 |
| 524179.22 | 4260320.3 | 0.025 | 0.028 | 0.05345 |
| 524194.22 | 4260320.3 | 0.030 | 0.033 | 0.06302 |
| 524209.22 | 4260320.3 | 0.035 | 0.039 | 0.07408 |
| 524224.22 | 4260320.3 | 0.041 | 0.046 | 0.08688 |
| 524239.22 | 4260320.3 | 0.048 | 0.053 | 0.10174 |
| 524254.22 | 4260320.3 | 0.056 | 0.063 | 0.11898 |
| 524269.22 | 4260320.3 | 0.066 | 0.073 | 0.13866 |
| 524134.22 | 4260335.3 | 0.015 | 0.017 | 0.03241 |
| 524149.22 | 4260335.3 | 0.018 | 0.020 | 0.03845 |
| 524164.22 | 4260335.3 | 0.022 | 0.024 | 0.04592 |
| 524179.22 | 4260335.3 | 0.026 | 0.029 | 0.05461 |
| 524194.22 | 4260335.3 | 0.030 | 0.034 | 0.06386 |
| 524209.22 | 4260335.3 | 0.035 | 0.039 | 0.07430 |
| 524224.22 | 4260335.3 | 0.041 | 0.045 | 0.08636 |
| 524239.22 | 4260335.3 | 0.048 | 0.053 | 0.10013 |
| 524254.22 | 4260335.3 | 0.055 | 0.061 | 0.11593 |
| 524269.22 | 4260335.3 | 0.063 | 0.070 | 0.13372 |
| 524134.22 | 4260350.3 | 0.016 | 0.018 | 0.03364 |
| 524149.22 | 4260350.3 | 0.019 | 0.021 | 0.03962 |
| 524164.22 | 4260350.3 | 0.022 | 0.025 | 0.04709 |
| 524179.22 | 4260350.3 | 0.026 | 0.029 | 0.05527 |
| 524194.22 | 4260350.3 | 0.030 | 0.034 | 0.06410 |
| 524209.22 | 4260350.3 | 0.035 | 0.039 | 0.07397 |
| 524224.22 | 4260350.3 | 0.040 | 0.045 | 0.08521 |
| 524239.22 | 4260350.3 | 0.046 | 0.051 | 0.09791 |
| 524254.22 | 4260350.3 | 0.053 | 0.059 | 0.11220 |
| 524269.22 | 4260350.3 | 0.061 | 0.067 | 0.12800 |
| 524204.65 | 4260012.52 | 0.009 | 0.008 | 0.01717 |
| 524203.43 | 4260005.01 | 0.009 | 0.008 | 0.01651 |
| 524204.65 | 4259997.73 | 0.008 | 0.008 | 0.01609 |
| 524204.4 | 4259988.28 | 0.008 | 0.007 | 0.01559 |
| 524189.13 | 4260004.28 | 0.008 | 0.007 | 0.01570 |
| 524189.37 | 4259993.85 | 0.008 | 0.007 | 0.01511 |
| 524190.83 | 4259982.7 | 0.008 | 0.007 | 0.01480 |
| 524246.78 | 4259946.49 | 0.010 | 0.010 | 0.02039 |
| 524255.34 | 4259929.66 | 0.011 | 0.011 | 0.02154 |
| 524250.49 | 4259937.65 | 0.010 | 0.011 | 0.02085 |
| 524232.52 | 4259935.94 | 0.009 | 0.009 | 0.01781 |
| 524220.54 | 4259937.94 | 0.008 | 0.008 | 0.01633 |
| 524212.55 | 4259949.92 | 0.008 | 0.008 | 0.01559 |
| 524206.28 | 4259957.62 | 0.008 | 0.007 | 0.01519 |
| 524199.43 | 4259957.05 | 0.008 | 0.007 | 0.01475 |
| 524188.31 | 4259954.48 | 0.008 | 0.007 | 0.01451 |
| 524196.86 | 4259946.49 | 0.008 | 0.007 | 0.01463 |
| 524203.71 | 4259947.63 | 0.008 | 0.007 | 0.01494 |
| 524199.43 | 4259934.8 | 0.008 | 0.007 | 0.01470 |
| 524206.56 | 4259925.1 | 0.008 | 0.007 | 0.01510 |
| 524213.12 | 4259917.68 | 0.008 | 0.008 | 0.01548 |
| 524241.93 | 4259920.25 | 0.009 | 0.010 | 0.01889 |
| 524215.97 | 4259907.7 | 0.008 | 0.008 | 0.01569 |
| 524221.11 | 4259892.3 | 0.008 | 0.008 | 0.01597 |
| 524238.79 | 4259898.86 | 0.009 | 0.009 | 0.01792 |
| 524238.79 | 4259907.98 | 0.009 | 0.009 | 0.01814 |
| 524237.37 | 4259884.59 | 0.009 | 0.009 | 0.01743 |
| 524214.83 | 4259881.17 | 0.008 | 0.008 | 0.01551 |
| 524203.14 | 4259873.47 | 0.008 | 0.007 | 0.01502 |
| 524198.29 | 4259867.19 | 0.008 | 0.007 | 0.01501 |
| 524232.8 | 4259867.19 | 0.008 | 0.008 | 0.01668 |
| 524233.09 | 4259857.5 | 0.008 | 0.008 | 0.01648 |
| 524235.66 | 4259852.36 | 0.008 | 0.008 | 0.01662 |
| 524239.65 | 4259845.51 | 0.008 | 0.008 | 0.01676 |
| 524243.93 | 4259834.68 | 0.008 | 0.008 | 0.01685 |
| 524250.49 | 4259823.84 | 0.009 | 0.008 | 0.01698 |
| 524243.64 | 4259822.12 | 0.008 | 0.008 | 0.01645 |
| 524232.8 | 4259816.13 | 0.008 | 0.008 | 0.01569 |
| 524225.1 | 4259826.4 | 0.008 | 0.008 | 0.01552 |
| 524218.26 | 4259836.67 | 0.008 | 0.007 | 0.01540 |
| 524210.55 | 4259846.94 | 0.008 | 0.007 | 0.01517 |
| 524202 | 4259857.5 | 0.008 | 0.007 | 0.01511 |
| 524265.77 | 4259728.17 | 0.008 | 0.007 | 0.01541 |
| 524273.47 | 4259713.63 | 0.008 | 0.007 | 0.01526 |
| 524276.89 | 4259698.51 | 0.008 | 0.007 | 0.01495 |
| 524260.92 | 4259693.94 | 0.009 | 0.007 | 0.01663 |
| 524251.79 | 4259711.06 | 0.010 | 0.008 | 0.01744 |
| 524250.65 | 4259723.04 | 0.009 | 0.008 | 0.01683 |
| 524265.2 | 4259620.63 | 0.010 | 0.008 | 0.01794 |
| 524284.88 | 4259588.39 | 0.009 | 0.007 | 0.01640 |
| 524305.71 | 4259554.73 | 0.010 | 0.007 | 0.01689 |
| 524315.12 | 4259565 | 0.008 | 0.006 | 0.01440 |
| 524303.99 | 4259604.08 | 0.007 | 0.006 | 0.01367 |
| 524638.04 | 4260127.68 | 0.051 | 0.056 | 0.10706 |
| 524645.94 | 4260114.25 | 0.044 | 0.049 | 0.09281 |
| 524647.12 | 4260105.17 | 0.042 | 0.047 | 0.08905 |
| 524662.52 | 4260077.53 | 0.032 | 0.035 | 0.06705 |
| 524692.14 | 4260053.84 | 0.022 | 0.024 | 0.04611 |
| 524752.55 | 4260050.68 | 0.014 | 0.016 | 0.03049 |
| 524338.94 | 4260404.55 | 0.068 | 0.076 | 0.14403 |
| 524441.43 | 4260403.88 | 0.074 | 0.083 | 0.15712 |
| 524538.99 | 4260369.97 | 0.047 | 0.053 | 0.10015 |
| 524566.4 | 4260356.96 | 0.043 | 0.047 | 0.08988 |
| 524530.17 | 4260389.94 | 0.045 | 0.050 | 0.09585 |
| 524498.28 | 4260239.21 | 0.253 | 0.281 | 0.53363 |
| 524477.41 | 4260262.98 | 0.246 | 0.274 | 0.51985 |
| 524494.8 | 4260256.02 | 0.223 | 0.248 | 0.47056 |
| 524515.67 | 4260222.4 | 0.233 | 0.259 | 0.49213 |
| 524519.73 | 4260238.63 | 0.191 | 0.212 | 0.40281 |
| 524519.15 | 4260249.06 | 0.174 | 0.194 | 0.36852 |
| 524529 | 4260210.8 | 0.215 | 0.239 | 0.45396 |
| 524535.38 | 4260221.82 | 0.182 | 0.203 | 0.38552 |
| 524534.22 | 4260237.47 | 0.162 | 0.180 | 0.34128 |
| 524546.97 | 4260196.89 | 0.181 | 0.202 | 0.38293 |
| 524546.97 | 4260211.38 | 0.167 | 0.186 | 0.35311 |
| 524549.87 | 4260224.14 | 0.148 | 0.165 | 0.31337 |
| 524560.3 | 4260187.04 | 0.158 | 0.176 | 0.33390 |
| 524569 | 4260203.85 | 0.129 | 0.143 | 0.27232 |
| 524580.01 | 4260180.66 | 0.124 | 0.138 | 0.26108 |
| 524580.01 | 4260198.05 | 0.116 | 0.129 | 0.24450 |
| 524588.13 | 4260163.27 | 0.114 | 0.127 | 0.24116 |
| 524598.57 | 4260182.98 | 0.096 | 0.106 | 0.20206 |
| 524596.25 | 4260169.64 | 0.100 | 0.112 | 0.21193 |

**Maximum Caner Risk**
1

**BAAQMD threshold of significance**
10

**Exceed thresholds?**
No

## Oakmont Emerald Isle

**Tier IV**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult**

| | | |
|---|---|---|
| **Cancer Potency Factor:** | 1.1 | $(mg/kg\text{-}day)^{-1}$ |
| **Exposure Frequency** | 350 | days/year |
| **Averaging Period** | 25550 | days |

| Year | DPM Concentration (ug/m3) | Age Sensitivty Factor | Daily Breathing Rate (L/kg-day) | Time At Home Factor | Exposure Duration (years) | Unit Risk Factor $(ug/m3)^{-1}$ |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 261 | 0.72 | 1 | 2.8 |
| 2 | 1 | 1 | 261 | 0.72 | 1 | 2.8 |

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**Oakmont Emerald Isle** Tier IV at Sensitive Receptors

**Estimated Cancer Risks from Construction DPM**

**Maximum Caner Risk**
0.1
**BAAQMD threshold of significance**
10
**Exceed thresholds?**
No

| X (m) | Y (m) | Adult Cancer Risk (year 1) 2017 (/million) | Adult Cancer Risk (year 2) 2018 (/million) | Total Cancer Risk (/million) |
|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.001 | 0.001 | 0.00216 |
| 524149.22 | 4260065.3 | 0.001 | 0.001 | 0.00268 |
| 524164.22 | 4260065.3 | 0.002 | 0.001 | 0.00296 |
| 524179.22 | 4260065.3 | 0.002 | 0.001 | 0.00319 |
| 524194.22 | 4260065.3 | 0.002 | 0.002 | 0.00349 |
| 524209.22 | 4260065.3 | 0.002 | 0.002 | 0.00389 |
| 524224.22 | 4260065.3 | 0.002 | 0.002 | 0.00439 |
| 524239.22 | 4260065.3 | 0.003 | 0.002 | 0.00506 |
| 524254.22 | 4260065.3 | 0.003 | 0.003 | 0.00596 |
| 524269.22 | 4260065.3 | 0.004 | 0.003 | 0.00720 |
| 524134.22 | 4260080.3 | 0.001 | 0.001 | 0.00207 |
| 524149.22 | 4260080.3 | 0.001 | 0.001 | 0.00244 |
| 524164.22 | 4260080.3 | 0.001 | 0.001 | 0.00275 |
| 524179.22 | 4260080.3 | 0.002 | 0.001 | 0.00301 |
| 524194.22 | 4260080.3 | 0.002 | 0.002 | 0.00333 |
| 524209.22 | 4260080.3 | 0.002 | 0.002 | 0.00373 |
| 524224.22 | 4260080.3 | 0.002 | 0.002 | 0.00426 |
| 524239.22 | 4260080.3 | 0.003 | 0.002 | 0.00498 |
| 524254.22 | 4260080.3 | 0.003 | 0.003 | 0.00596 |
| 524269.22 | 4260080.3 | 0.004 | 0.004 | 0.00737 |
| 524134.22 | 4260095.3 | 0.001 | 0.001 | 0.00205 |
| 524149.22 | 4260095.3 | 0.001 | 0.001 | 0.00238 |
| 524164.22 | 4260095.3 | 0.001 | 0.001 | 0.00268 |
| 524179.22 | 4260095.3 | 0.002 | 0.001 | 0.00299 |
| 524194.22 | 4260095.3 | 0.002 | 0.002 | 0.00336 |
| 524209.22 | 4260095.3 | 0.002 | 0.002 | 0.00381 |
| 524224.22 | 4260095.3 | 0.002 | 0.002 | 0.00442 |
| 524239.22 | 4260095.3 | 0.003 | 0.003 | 0.00526 |
| 524254.22 | 4260095.3 | 0.003 | 0.003 | 0.00640 |
| 524269.22 | 4260095.3 | 0.004 | 0.004 | 0.00809 |
| 524134.22 | 4260110.3 | 0.001 | 0.001 | 0.00203 |
| 524149.22 | 4260110.3 | 0.001 | 0.001 | 0.00234 |
| 524164.22 | 4260110.3 | 0.001 | 0.001 | 0.00269 |
| 524179.22 | 4260110.3 | 0.002 | 0.001 | 0.00305 |
| 524194.22 | 4260110.3 | 0.002 | 0.002 | 0.00349 |
| 524209.22 | 4260110.3 | 0.002 | 0.002 | 0.00403 |
| 524224.22 | 4260110.3 | 0.002 | 0.002 | 0.00477 |
| 524239.22 | 4260110.3 | 0.003 | 0.003 | 0.00577 |
| 524254.22 | 4260110.3 | 0.004 | 0.004 | 0.00717 |
| 524269.22 | 4260110.3 | 0.004 | 0.005 | 0.00923 |
| 524134.22 | 4260125.3 | 0.001 | 0.001 | 0.00206 |
| 524149.22 | 4260125.3 | 0.001 | 0.001 | 0.00238 |
| 524164.22 | 4260125.3 | 0.001 | 0.001 | 0.00275 |
| 524179.22 | 4260125.3 | 0.002 | 0.002 | 0.00317 |
| 524194.22 | 4260125.3 | 0.002 | 0.002 | 0.00369 |
| 524209.22 | 4260125.3 | 0.002 | 0.002 | 0.00436 |
| 524224.22 | 4260125.3 | 0.003 | 0.003 | 0.00525 |
| 524239.22 | 4260125.3 | 0.003 | 0.003 | 0.00647 |
| 524254.22 | 4260125.3 | 0.004 | 0.004 | 0.00820 |
| 524269.22 | 4260125.3 | 0.005 | 0.006 | 0.01074 |
| 524134.22 | 4260140.3 | 0.001 | 0.001 | 0.00211 |
| 524149.22 | 4260140.3 | 0.001 | 0.001 | 0.00245 |
| 524164.22 | 4260140.3 | 0.001 | 0.001 | 0.00286 |
| 524179.22 | 4260140.3 | 0.002 | 0.002 | 0.00335 |
| 524194.22 | 4260140.3 | 0.002 | 0.002 | 0.00397 |
| 524209.22 | 4260140.3 | 0.002 | 0.002 | 0.00477 |
| 524224.22 | 4260140.3 | 0.003 | 0.003 | 0.00584 |
| 524239.22 | 4260140.3 | 0.004 | 0.004 | 0.00733 |
| 524254.22 | 4260140.3 | 0.005 | 0.005 | 0.00943 |
| 524269.22 | 4260140.3 | 0.006 | 0.007 | 0.01253 |
| 524134.22 | 4260155.3 | 0.001 | 0.001 | 0.00221 |
| 524149.22 | 4260155.3 | 0.001 | 0.001 | 0.00255 |
| 524164.22 | 4260155.3 | 0.001 | 0.002 | 0.00300 |
| 524179.22 | 4260155.3 | 0.002 | 0.002 | 0.00356 |
| 524194.22 | 4260155.3 | 0.002 | 0.002 | 0.00426 |
| 524209.22 | 4260155.3 | 0.003 | 0.003 | 0.00520 |
| 524224.22 | 4260155.3 | 0.003 | 0.003 | 0.00647 |
| 524239.22 | 4260155.3 | 0.004 | 0.004 | 0.00825 |
| 524254.22 | 4260155.3 | 0.005 | 0.006 | 0.01077 |
| 524269.22 | 4260155.3 | 0.007 | 0.008 | 0.01446 |
| 524134.22 | 4260170.3 | 0.001 | 0.001 | 0.00233 |
| 524149.22 | 4260170.3 | 0.001 | 0.001 | 0.00271 |
| 524164.22 | 4260170.3 | 0.002 | 0.002 | 0.00320 |
| 524179.22 | 4260170.3 | 0.002 | 0.002 | 0.00383 |
| 524194.22 | 4260170.3 | 0.002 | 0.002 | 0.00463 |
| 524209.22 | 4260170.3 | 0.003 | 0.003 | 0.00568 |
| 524224.22 | 4260170.3 | 0.003 | 0.004 | 0.00715 |
| 524239.22 | 4260170.3 | 0.004 | 0.005 | 0.00923 |
| 524254.22 | 4260170.3 | 0.006 | 0.006 | 0.01215 |
| 524269.22 | 4260170.3 | 0.008 | 0.009 | 0.01643 |
| 524134.22 | 4260185.3 | 0.001 | 0.001 | 0.00252 |
| 524149.22 | 4260185.3 | 0.001 | 0.002 | 0.00294 |
| 524164.22 | 4260185.3 | 0.002 | 0.002 | 0.00347 |
| 524179.22 | 4260185.3 | 0.002 | 0.002 | 0.00416 |
| 524194.22 | 4260185.3 | 0.002 | 0.003 | 0.00507 |
| 524209.22 | 4260185.3 | 0.003 | 0.003 | 0.00627 |
| 524224.22 | 4260185.3 | 0.004 | 0.004 | 0.00792 |
| 524239.22 | 4260185.3 | 0.005 | 0.005 | 0.01021 |
| 524254.22 | 4260185.3 | 0.006 | 0.007 | 0.01343 |
| 524269.22 | 4260185.3 | 0.009 | 0.010 | 0.01814 |
| 524134.22 | 4260200.3 | 0.001 | 0.001 | 0.00276 |
| 524149.22 | 4260200.3 | 0.002 | 0.002 | 0.00322 |
| 524164.22 | 4260200.3 | 0.002 | 0.002 | 0.00380 |
| 524179.22 | 4260200.3 | 0.002 | 0.002 | 0.00455 |
| 524194.22 | 4260200.3 | 0.003 | 0.003 | 0.00556 |
| 524209.22 | 4260200.3 | 0.003 | 0.004 | 0.00692 |
| 524224.22 | 4260200.3 | 0.004 | 0.005 | 0.00872 |
| 524239.22 | 4260200.3 | 0.005 | 0.006 | 0.01118 |
| 524254.22 | 4260200.3 | 0.007 | 0.008 | 0.01463 |
| 524269.22 | 4260200.3 | 0.009 | 0.010 | 0.01958 |
| 524134.22 | 4260215.3 | 0.001 | 0.002 | 0.00306 |
| 524149.22 | 4260215.3 | 0.002 | 0.002 | 0.00358 |
| 524164.22 | 4260215.3 | 0.002 | 0.002 | 0.00423 |
| 524179.22 | 4260215.3 | 0.002 | 0.003 | 0.00504 |
| 524194.22 | 4260215.3 | 0.003 | 0.003 | 0.00616 |
| 524209.22 | 4260215.3 | 0.004 | 0.004 | 0.00764 |
| 524224.22 | 4260215.3 | 0.005 | 0.005 | 0.00958 |
| 524239.22 | 4260215.3 | 0.006 | 0.006 | 0.01216 |
| 524254.22 | 4260215.3 | 0.007 | 0.008 | 0.01574 |
| 524269.22 | 4260215.3 | 0.010 | 0.011 | 0.02071 |
| 524134.22 | 4260230.3 | 0.002 | 0.002 | 0.00337 |
| 524149.22 | 4260230.3 | 0.002 | 0.002 | 0.00394 |
| 524164.22 | 4260230.3 | 0.002 | 0.002 | 0.00465 |
| 524179.22 | 4260230.3 | 0.003 | 0.003 | 0.00554 |
| 524194.22 | 4260230.3 | 0.003 | 0.004 | 0.00674 |
| 524209.22 | 4260230.3 | 0.004 | 0.004 | 0.00834 |
| 524224.22 | 4260230.3 | 0.005 | 0.005 | 0.01039 |
| 524239.22 | 4260230.3 | 0.006 | 0.007 | 0.01305 |
| 524254.22 | 4260230.3 | 0.008 | 0.009 | 0.01665 |
| 524269.22 | 4260230.3 | 0.010 | 0.011 | 0.02147 |
| 524134.22 | 4260245.3 | 0.002 | 0.002 | 0.00367 |
| 524149.22 | 4260245.3 | 0.002 | 0.002 | 0.00433 |
| 524164.22 | 4260245.3 | 0.002 | 0.003 | 0.00510 |
| 524179.22 | 4260245.3 | 0.003 | 0.003 | 0.00602 |
| 524194.22 | 4260245.3 | 0.003 | 0.004 | 0.00729 |
| 524209.22 | 4260245.3 | 0.004 | 0.005 | 0.00900 |
| 524224.22 | 4260245.3 | 0.005 | 0.006 | 0.01114 |
| 524239.22 | 4260245.3 | 0.007 | 0.007 | 0.01386 |
| 524254.22 | 4260245.3 | 0.008 | 0.009 | 0.01741 |
| 524269.22 | 4260245.3 | 0.010 | 0.012 | 0.02203 |
| 524134.22 | 4260260.3 | 0.002 | 0.002 | 0.00395 |
| 524149.22 | 4260260.3 | 0.002 | 0.002 | 0.00469 |
| 524164.22 | 4260260.3 | 0.003 | 0.003 | 0.00553 |
| 524179.22 | 4260260.3 | 0.003 | 0.003 | 0.00651 |
| 524194.22 | 4260260.3 | 0.004 | 0.004 | 0.00782 |
| 524209.22 | 4260260.3 | 0.005 | 0.005 | 0.00957 |
| 524224.22 | 4260260.3 | 0.006 | 0.006 | 0.01175 |
| 524239.22 | 4260260.3 | 0.007 | 0.008 | 0.01447 |
| 524254.22 | 4260260.3 | 0.009 | 0.009 | 0.01791 |
| 524269.22 | 4260260.3 | 0.011 | 0.012 | 0.02223 |
| 524134.22 | 4260275.3 | 0.002 | 0.002 | 0.00412 |
| 524149.22 | 4260275.3 | 0.002 | 0.003 | 0.00501 |
| 524164.22 | 4260275.3 | 0.003 | 0.003 | 0.00594 |
| 524179.22 | 4260275.3 | 0.003 | 0.004 | 0.00702 |
| 524194.22 | 4260275.3 | 0.004 | 0.004 | 0.00838 |
| 524209.22 | 4260275.3 | 0.005 | 0.005 | 0.01012 |
| 524224.22 | 4260275.3 | 0.006 | 0.006 | 0.01226 |
| 524239.22 | 4260275.3 | 0.007 | 0.008 | 0.01490 |
| 524254.22 | 4260275.3 | 0.009 | 0.010 | 0.01819 |
| 524269.22 | 4260275.3 | 0.011 | 0.012 | 0.02224 |
| 524134.22 | 4260290.3 | 0.002 | 0.002 | 0.00427 |
| 524149.22 | 4260290.3 | 0.002 | 0.003 | 0.00521 |
| 524164.22 | 4260290.3 | 0.003 | 0.003 | 0.00628 |
| 524179.22 | 4260290.3 | 0.004 | 0.004 | 0.00746 |
| 524194.22 | 4260290.3 | 0.004 | 0.005 | 0.00885 |
| 524209.22 | 4260290.3 | 0.005 | 0.006 | 0.01055 |
| 524224.22 | 4260290.3 | 0.006 | 0.007 | 0.01264 |
| 524239.22 | 4260290.3 | 0.007 | 0.008 | 0.01514 |
| 524254.22 | 4260290.3 | 0.009 | 0.010 | 0.01825 |
| 524269.22 | 4260290.3 | 0.010 | 0.012 | 0.02197 |
| 524134.22 | 4260305.3 | 0.002 | 0.002 | 0.00448 |
| 524149.22 | 4260305.3 | 0.003 | 0.003 | 0.00538 |
| 524164.22 | 4260305.3 | 0.003 | 0.003 | 0.00656 |
| 524179.22 | 4260305.3 | 0.004 | 0.004 | 0.00779 |
| 524194.22 | 4260305.3 | 0.004 | 0.005 | 0.00922 |
| 524209.22 | 4260305.3 | 0.005 | 0.006 | 0.01090 |
| 524224.22 | 4260305.3 | 0.006 | 0.007 | 0.01292 |
| 524239.22 | 4260305.3 | 0.007 | 0.008 | 0.01530 |
| 524254.22 | 4260305.3 | 0.009 | 0.010 | 0.01815 |
| 524269.22 | 4260305.3 | 0.010 | 0.011 | 0.02148 |
| 524134.22 | 4260320.3 | 0.002 | 0.002 | 0.00467 |
| 524149.22 | 4260320.3 | 0.003 | 0.003 | 0.00556 |
| 524164.22 | 4260320.3 | 0.003 | 0.004 | 0.00670 |
| 524179.22 | 4260320.3 | 0.004 | 0.004 | 0.00802 |
| 524194.22 | 4260320.3 | 0.004 | 0.005 | 0.00945 |
| 524209.22 | 4260320.3 | 0.005 | 0.006 | 0.01111 |
| 524224.22 | 4260320.3 | 0.006 | 0.007 | 0.01303 |
| 524239.22 | 4260320.3 | 0.007 | 0.008 | 0.01526 |
| 524254.22 | 4260320.3 | 0.008 | 0.009 | 0.01785 |
| 524269.22 | 4260320.3 | 0.010 | 0.011 | 0.02080 |
| 524134.22 | 4260335.3 | 0.002 | 0.003 | 0.00486 |
| 524149.22 | 4260335.3 | 0.003 | 0.003 | 0.00577 |
| 524164.22 | 4260335.3 | 0.003 | 0.004 | 0.00689 |
| 524179.22 | 4260335.3 | 0.004 | 0.004 | 0.00819 |
| 524194.22 | 4260335.3 | 0.005 | 0.005 | 0.00958 |
| 524209.22 | 4260335.3 | 0.005 | 0.006 | 0.01115 |
| 524224.22 | 4260335.3 | 0.006 | 0.007 | 0.01295 |
| 524239.22 | 4260335.3 | 0.007 | 0.008 | 0.01502 |
| 524254.22 | 4260335.3 | 0.008 | 0.009 | 0.01739 |
| 524269.22 | 4260335.3 | 0.010 | 0.011 | 0.02006 |
| 524134.22 | 4260350.3 | 0.002 | 0.003 | 0.00505 |
| 524149.22 | 4260350.3 | 0.003 | 0.003 | 0.00594 |
| 524164.22 | 4260350.3 | 0.003 | 0.004 | 0.00706 |
| 524179.22 | 4260350.3 | 0.004 | 0.004 | 0.00829 |
| 524194.22 | 4260350.3 | 0.005 | 0.005 | 0.00962 |
| 524209.22 | 4260350.3 | 0.005 | 0.006 | 0.01110 |
| 524224.22 | 4260350.3 | 0.006 | 0.007 | 0.01278 |
| 524239.22 | 4260350.3 | 0.007 | 0.008 | 0.01469 |
| 524254.22 | 4260350.3 | 0.008 | 0.009 | 0.01683 |
| 524269.22 | 4260350.3 | 0.009 | 0.010 | 0.01920 |
| 524204.65 | 4260012.52 | 0.001 | 0.001 | 0.00258 |
| 524203.43 | 4260005.01 | 0.001 | 0.001 | 0.00248 |
| 524204.65 | 4259997.73 | 0.001 | 0.001 | 0.00241 |
| 524204.4 | 4259988.28 | 0.001 | 0.001 | 0.00234 |
| 524189.13 | 4260004.28 | 0.001 | 0.001 | 0.00236 |
| 524189.37 | 4259993.85 | 0.001 | 0.001 | 0.00227 |
| 524190.83 | 4259982.7 | 0.001 | 0.001 | 0.00222 |
| 524246.78 | 4259946.49 | 0.002 | 0.002 | 0.00306 |
| 524255.34 | 4259929.66 | 0.002 | 0.002 | 0.00323 |
| 524250.49 | 4259937.65 | 0.002 | 0.002 | 0.00313 |
| 524232.52 | 4259935.94 | 0.001 | 0.001 | 0.00267 |
| 524220.54 | 4259937.94 | 0.001 | 0.001 | 0.00245 |
| 524212.55 | 4259949.92 | 0.001 | 0.001 | 0.00234 |
| 524206.28 | 4259957.62 | 0.001 | 0.001 | 0.00228 |
| 524199.43 | 4259957.05 | 0.001 | 0.001 | 0.00221 |
| 524188.31 | 4259954.48 | 0.001 | 0.001 | 0.00218 |
| 524196.86 | 4259946.49 | 0.001 | 0.001 | 0.00219 |
| 524203.71 | 4259947.63 | 0.001 | 0.001 | 0.00224 |
| 524199.43 | 4259934.8 | 0.001 | 0.001 | 0.00221 |
| 524206.56 | 4259925.1 | 0.001 | 0.001 | 0.00227 |
| 524213.12 | 4259917.68 | 0.001 | 0.001 | 0.00232 |
| 524241.93 | 4259920.25 | 0.001 | 0.001 | 0.00283 |
| 524215.97 | 4259907.7 | 0.001 | 0.001 | 0.00235 |
| 524221.11 | 4259892.3 | 0.001 | 0.001 | 0.00240 |
| 524238.79 | 4259898.86 | 0.001 | 0.001 | 0.00269 |
| 524238.79 | 4259907.98 | 0.001 | 0.001 | 0.00272 |
| 524237.37 | 4259884.59 | 0.001 | 0.001 | 0.00262 |
| 524214.83 | 4259881.17 | 0.001 | 0.001 | 0.00233 |
| 524203.14 | 4259873.47 | 0.001 | 0.001 | 0.00225 |
| 524198.29 | 4259867.19 | 0.001 | 0.001 | 0.00225 |
| 524232.8 | 4259867.19 | 0.001 | 0.001 | 0.00250 |
| 524233.09 | 4259857.5 | 0.001 | 0.001 | 0.00247 |
| 524235.66 | 4259852.36 | 0.001 | 0.001 | 0.00249 |
| 524239.65 | 4259845.51 | 0.001 | 0.001 | 0.00251 |
| 524243.93 | 4259834.68 | 0.001 | 0.001 | 0.00253 |
| 524250.49 | 4259823.84 | 0.001 | 0.001 | 0.00255 |
| 524243.64 | 4259822.12 | 0.001 | 0.001 | 0.00247 |
| 524232.8 | 4259816.13 | 0.001 | 0.001 | 0.00235 |
| 524225.1 | 4259826.4 | 0.001 | 0.001 | 0.00233 |
| 524218.26 | 4259836.67 | 0.001 | 0.001 | 0.00231 |
| 524210.55 | 4259846.94 | 0.001 | 0.001 | 0.00228 |
| 524202 | 4259857.5 | 0.001 | 0.001 | 0.00227 |
| 524265.77 | 4259728.17 | 0.001 | 0.001 | 0.00231 |
| 524273.47 | 4259713.63 | 0.001 | 0.001 | 0.00229 |
| 524276.89 | 4259698.51 | 0.001 | 0.001 | 0.00224 |
| 524260.92 | 4259693.94 | 0.001 | 0.001 | 0.00249 |
| 524251.79 | 4259711.06 | 0.001 | 0.001 | 0.00262 |
| 524250.65 | 4259723.04 | 0.001 | 0.001 | 0.00253 |
| 524265.2 | 4259620.63 | 0.002 | 0.001 | 0.00269 |
| 524284.88 | 4259588.39 | 0.001 | 0.001 | 0.00246 |
| 524305.71 | 4259554.73 | 0.001 | 0.001 | 0.00253 |
| 524315.12 | 4259565 | 0.001 | 0.001 | 0.00216 |
| 524303.99 | 4259604.08 | 0.001 | 0.001 | 0.00205 |
| 524638.04 | 4260127.68 | 0.008 | 0.008 | 0.01606 |
| 524645.94 | 4260114.25 | 0.007 | 0.007 | 0.01392 |
| 524647.12 | 4260105.17 | 0.006 | 0.007 | 0.01336 |
| 524662.52 | 4260077.53 | 0.005 | 0.005 | 0.01006 |
| 524692.14 | 4260053.84 | 0.003 | 0.004 | 0.00692 |
| 524752.55 | 4260050.68 | 0.002 | 0.002 | 0.00457 |
| 524338.94 | 4260404.55 | 0.010 | 0.011 | 0.02161 |
| 524441.43 | 4260403.88 | 0.011 | 0.012 | 0.02357 |
| 524538.99 | 4260369.97 | 0.007 | 0.008 | 0.01502 |
| 524566.4 | 4260356.96 | 0.006 | 0.007 | 0.01348 |
| 524530.17 | 4260389.94 | 0.007 | 0.008 | 0.01438 |
| 524498.28 | 4260239.21 | 0.038 | 0.042 | 0.08005 |
| 524477.41 | 4260262.98 | 0.037 | 0.041 | 0.07798 |
| 524494.8 | 4260256.02 | 0.033 | 0.037 | 0.07059 |
| 524515.67 | 4260222.4 | 0.035 | 0.039 | 0.07383 |
| 524519.73 | 4260238.63 | 0.029 | 0.032 | 0.06043 |
| 524519.15 | 4260249.06 | 0.026 | 0.029 | 0.05528 |
| 524529 | 4260210.8 | 0.032 | 0.036 | 0.06810 |
| 524535.38 | 4260221.82 | 0.027 | 0.030 | 0.05783 |
| 524534.22 | 4260237.47 | 0.024 | 0.027 | 0.05120 |
| 524546.97 | 4260196.89 | 0.027 | 0.030 | 0.05745 |
| 524546.97 | 4260211.38 | 0.025 | 0.028 | 0.05297 |
| 524549.87 | 4260224.14 | 0.022 | 0.025 | 0.04701 |
| 524560.3 | 4260187.04 | 0.024 | 0.026 | 0.05009 |
| 524569 | 4260203.85 | 0.019 | 0.022 | 0.04085 |
| 524580.01 | 4260180.66 | 0.019 | 0.021 | 0.03917 |
| 524580.01 | 4260198.05 | 0.017 | 0.019 | 0.03668 |
| 524588.13 | 4260163.27 | 0.017 | 0.019 | 0.03618 |
| 524598.57 | 4260182.98 | 0.014 | 0.016 | 0.03031 |
| 524596.25 | 4260169.64 | 0.015 | 0.017 | 0.03179 |

**Oakmont Emerald Isle**

**Tier IV**
**at Sensitive Receptors**

**Chronic Non-Cancer Hazard Index**

**Reference Exposure Level (REL) for DPM:** 5 ug/m3

**CNCHI = DPM/REL**

| X (m) | Y (m) | 2018 DPM (ug/m3) | 2019 DPM (ug/m3) | Max DPM (ug/m3) | CNCHI |
|---|---|---|---|---|---|
| 524134.22 | 4260065.3 | 0.000418 | 0.000345 | 0.000418 | 0.00008 |
| 524149.22 | 4260065.3 | 0.000528 | 0.000419 | 0.000528 | 0.00011 |
| 524164.22 | 4260065.3 | 0.000581 | 0.000466 | 0.000581 | 0.00012 |
| 524179.22 | 4260065.3 | 0.000619 | 0.000507 | 0.000619 | 0.00012 |
| 524194.22 | 4260065.3 | 0.000672 | 0.000563 | 0.000672 | 0.00013 |
| 524209.22 | 4260065.3 | 0.000739 | 0.000633 | 0.000739 | 0.00015 |
| 524224.22 | 4260065.3 | 0.000828 | 0.000723 | 0.000828 | 0.00017 |
| 524239.22 | 4260065.3 | 0.000944 | 0.000844 | 0.000944 | 0.00019 |
| 524254.22 | 4260065.3 | 0.001099 | 0.001006 | 0.001099 | 0.00022 |
| 524269.22 | 4260065.3 | 0.001312 | 0.00123 | 0.001312 | 0.00026 |
| 524134.22 | 4260080.3 | 0.000392 | 0.000339 | 0.000392 | 0.00008 |
| 524149.22 | 4260080.3 | 0.000466 | 0.000396 | 0.000466 | 0.00009 |
| 524164.22 | 4260080.3 | 0.000523 | 0.000447 | 0.000523 | 0.00010 |
| 524179.22 | 4260080.3 | 0.000568 | 0.000495 | 0.000568 | 0.00011 |
| 524194.22 | 4260080.3 | 0.000621 | 0.000554 | 0.000621 | 0.00012 |
| 524209.22 | 4260080.3 | 0.000688 | 0.000629 | 0.000688 | 0.00014 |
| 524224.22 | 4260080.3 | 0.000778 | 0.000727 | 0.000778 | 0.00016 |
| 524239.22 | 4260080.3 | 0.0009 | 0.000859 | 0.0009 | 0.00018 |
| 524254.22 | 4260080.3 | 0.001065 | 0.001039 | 0.001065 | 0.00021 |
| 524269.22 | 4260080.3 | 0.001305 | 0.001299 | 0.001305 | 0.00026 |
| 524134.22 | 4260095.3 | 0.00038 | 0.000342 | 0.00038 | 0.00008 |
| 524149.22 | 4260095.3 | 0.000444 | 0.000396 | 0.000444 | 0.00009 |
| 524164.22 | 4260095.3 | 0.0005 | 0.000448 | 0.0005 | 0.00010 |
| 524179.22 | 4260095.3 | 0.000552 | 0.000504 | 0.000552 | 0.00011 |
| 524194.22 | 4260095.3 | 0.000613 | 0.000572 | 0.000613 | 0.00012 |
| 524209.22 | 4260095.3 | 0.000688 | 0.000658 | 0.000688 | 0.00014 |
| 524224.22 | 4260095.3 | 0.00079 | 0.000772 | 0.00079 | 0.00016 |
| 524239.22 | 4260095.3 | 0.000931 | 0.000926 | 0.000931 | 0.00019 |
| 524254.22 | 4260095.3 | 0.001122 | 0.00114 | 0.00114 | 0.00023 |
| 524269.22 | 4260095.3 | 0.001404 | 0.001451 | 0.001451 | 0.00029 |
| 524134.22 | 4260110.3 | 0.000369 | 0.000347 | 0.000369 | 0.00007 |
| 524149.22 | 4260110.3 | 0.000428 | 0.0004 | 0.000428 | 0.00009 |
| 524164.22 | 4260110.3 | 0.00049 | 0.000459 | 0.00049 | 0.00010 |
| 524179.22 | 4260110.3 | 0.000553 | 0.000526 | 0.000553 | 0.00011 |
| 524194.22 | 4260110.3 | 0.000625 | 0.000606 | 0.000625 | 0.00013 |
| 524209.22 | 4260110.3 | 0.000715 | 0.000709 | 0.000715 | 0.00014 |
| 524224.22 | 4260110.3 | 0.000838 | 0.000846 | 0.000846 | 0.00017 |
| 524239.22 | 4260110.3 | 0.001006 | 0.001032 | 0.001032 | 0.00021 |
| 524254.22 | 4260110.3 | 0.00124 | 0.001293 | 0.001293 | 0.00026 |
| 524269.22 | 4260110.3 | 0.001584 | 0.001676 | 0.001676 | 0.00034 |
| 524134.22 | 4260125.3 | 0.000369 | 0.000358 | 0.000369 | 0.00007 |
| 524149.22 | 4260125.3 | 0.000427 | 0.000413 | 0.000427 | 0.00009 |
| 524164.22 | 4260125.3 | 0.000492 | 0.000478 | 0.000492 | 0.00010 |
| 524179.22 | 4260125.3 | 0.000565 | 0.000556 | 0.000565 | 0.00011 |
| 524194.22 | 4260125.3 | 0.000651 | 0.000651 | 0.000651 | 0.00013 |
| 524209.22 | 4260125.3 | 0.000763 | 0.000776 | 0.000776 | 0.00016 |
| 524224.22 | 4260125.3 | 0.000912 | 0.000942 | 0.000942 | 0.00019 |
| 524239.22 | 4260125.3 | 0.001116 | 0.001169 | 0.001169 | 0.00023 |
| 524254.22 | 4260125.3 | 0.001405 | 0.001491 | 0.001491 | 0.00030 |
| 524269.22 | 4260125.3 | 0.00183 | 0.001964 | 0.001964 | 0.00039 |
| 524134.22 | 4260140.3 | 0.000374 | 0.000373 | 0.000374 | 0.00007 |
| 524149.22 | 4260140.3 | 0.000434 | 0.000432 | 0.000434 | 0.00009 |
| 524164.22 | 4260140.3 | 0.000504 | 0.000504 | 0.000504 | 0.00010 |
| 524179.22 | 4260140.3 | 0.000588 | 0.000594 | 0.000594 | 0.00012 |
| 524194.22 | 4260140.3 | 0.000692 | 0.000709 | 0.000709 | 0.00014 |
| 524209.22 | 4260140.3 | 0.000826 | 0.000858 | 0.000858 | 0.00017 |
| 524224.22 | 4260140.3 | 0.001005 | 0.001057 | 0.001057 | 0.00021 |
| 524239.22 | 4260140.3 | 0.001254 | 0.001334 | 0.001334 | 0.00027 |
| 524254.22 | 4260140.3 | 0.001605 | 0.001725 | 0.001725 | 0.00035 |
| 524269.22 | 4260140.3 | 0.002121 | 0.002302 | 0.002302 | 0.00046 |
| 524134.22 | 4260155.3 | 0.000387 | 0.000393 | 0.000393 | 0.00008 |
| 524149.22 | 4260155.3 | 0.000446 | 0.000455 | 0.000455 | 0.00009 |
| 524164.22 | 4260155.3 | 0.000525 | 0.000537 | 0.000537 | 0.00011 |
| 524179.22 | 4260155.3 | 0.000618 | 0.000639 | 0.000639 | 0.00013 |
| 524194.22 | 4260155.3 | 0.000737 | 0.000769 | 0.000769 | 0.00015 |
| 524209.22 | 4260155.3 | 0.000893 | 0.000942 | 0.000942 | 0.00019 |
| 524224.22 | 4260155.3 | 0.001106 | 0.001178 | 0.001178 | 0.00024 |
| 524239.22 | 4260155.3 | 0.001404 | 0.00151 | 0.00151 | 0.00030 |
| 524254.22 | 4260155.3 | 0.001825 | 0.001979 | 0.001979 | 0.00040 |
| 524269.22 | 4260155.3 | 0.002441 | 0.002667 | 0.002667 | 0.00053 |
| 524134.22 | 4260170.3 | 0.000405 | 0.000418 | 0.000418 | 0.00008 |
| 524149.22 | 4260170.3 | 0.00047 | 0.000486 | 0.000486 | 0.00010 |
| 524164.22 | 4260170.3 | 0.000554 | 0.000576 | 0.000576 | 0.00012 |
| 524179.22 | 4260170.3 | 0.000659 | 0.000692 | 0.000692 | 0.00014 |
| 524194.22 | 4260170.3 | 0.000795 | 0.000841 | 0.000841 | 0.00017 |
| 524209.22 | 4260170.3 | 0.000972 | 0.001036 | 0.001036 | 0.00021 |
| 524224.22 | 4260170.3 | 0.001217 | 0.00131 | 0.00131 | 0.00026 |
| 524239.22 | 4260170.3 | 0.001564 | 0.001695 | 0.001695 | 0.00034 |
| 524254.22 | 4260170.3 | 0.002053 | 0.00224 | 0.00224 | 0.00045 |
| 524269.22 | 4260170.3 | 0.002766 | 0.003036 | 0.003036 | 0.00061 |
| 524134.22 | 4260185.3 | 0.000435 | 0.000455 | 0.000455 | 0.00009 |
| 524149.22 | 4260185.3 | 0.000507 | 0.000531 | 0.000531 | 0.00011 |
| 524164.22 | 4260185.3 | 0.000596 | 0.000629 | 0.000629 | 0.00013 |
| 524179.22 | 4260185.3 | 0.000712 | 0.000756 | 0.000756 | 0.00015 |
| 524194.22 | 4260185.3 | 0.000865 | 0.000925 | 0.000925 | 0.00018 |
| 524209.22 | 4260185.3 | 0.001066 | 0.001148 | 0.001148 | 0.00023 |
| 524224.22 | 4260185.3 | 0.001342 | 0.001454 | 0.001454 | 0.00029 |
| 524239.22 | 4260185.3 | 0.001725 | 0.001881 | 0.001881 | 0.00038 |
| 524254.22 | 4260185.3 | 0.002262 | 0.00248 | 0.00248 | 0.00050 |
| 524269.22 | 4260185.3 | 0.003049 | 0.003357 | 0.003357 | 0.00067 |
| 524134.22 | 4260200.3 | 0.000474 | 0.0005 | 0.0005 | 0.00010 |
| 524149.22 | 4260200.3 | 0.000552 | 0.000585 | 0.000585 | 0.00012 |
| 524164.22 | 4260200.3 | 0.00065 | 0.000693 | 0.000693 | 0.00014 |
| 524179.22 | 4260200.3 | 0.000776 | 0.000831 | 0.000831 | 0.00017 |
| 524194.22 | 4260200.3 | 0.000946 | 0.001019 | 0.001019 | 0.00020 |
| 524209.22 | 4260200.3 | 0.001173 | 0.001271 | 0.001271 | 0.00025 |
| 524224.22 | 4260200.3 | 0.001473 | 0.001606 | 0.001606 | 0.00032 |
| 524239.22 | 4260200.3 | 0.001884 | 0.002063 | 0.002063 | 0.00041 |
| 524254.22 | 4260200.3 | 0.00246 | 0.002705 | 0.002705 | 0.00054 |
| 524269.22 | 4260200.3 | 0.003287 | 0.003628 | 0.003628 | 0.00073 |
| 524134.22 | 4260215.3 | 0.000524 | 0.000558 | 0.000558 | 0.00011 |
| 524149.22 | 4260215.3 | 0.000611 | 0.000653 | 0.000653 | 0.00013 |
| 524164.22 | 4260215.3 | 0.00072 | 0.000772 | 0.000772 | 0.00015 |
| 524179.22 | 4260215.3 | 0.000856 | 0.000924 | 0.000924 | 0.00018 |
| 524194.22 | 4260215.3 | 0.001043 | 0.00113 | 0.00113 | 0.00023 |
| 524209.22 | 4260215.3 | 0.001291 | 0.001406 | 0.001406 | 0.00028 |
| 524224.22 | 4260215.3 | 0.001616 | 0.001768 | 0.001768 | 0.00035 |
| 524239.22 | 4260215.3 | 0.002047 | 0.002248 | 0.002248 | 0.00045 |
| 524254.22 | 4260215.3 | 0.002644 | 0.002913 | 0.002913 | 0.00058 |
| 524269.22 | 4260215.3 | 0.003474 | 0.00384 | 0.00384 | 0.00077 |
| 524134.22 | 4260230.3 | 0.000573 | 0.000616 | 0.000616 | 0.00012 |
| 524149.22 | 4260230.3 | 0.00067 | 0.000722 | 0.000722 | 0.00014 |
| 524164.22 | 4260230.3 | 0.00079 | 0.000854 | 0.000854 | 0.00017 |
| 524179.22 | 4260230.3 | 0.000939 | 0.001018 | 0.001018 | 0.00020 |
| 524194.22 | 4260230.3 | 0.001138 | 0.00124 | 0.00124 | 0.00025 |
| 524209.22 | 4260230.3 | 0.001407 | 0.001539 | 0.001539 | 0.00031 |
| 524224.22 | 4260230.3 | 0.001749 | 0.00192 | 0.00192 | 0.00038 |
| 524239.22 | 4260230.3 | 0.002194 | 0.002416 | 0.002416 | 0.00048 |
| 524254.22 | 4260230.3 | 0.002794 | 0.003084 | 0.003084 | 0.00062 |
| 524269.22 | 4260230.3 | 0.003599 | 0.003982 | 0.003982 | 0.00080 |
| 524134.22 | 4260245.3 | 0.000623 | 0.000674 | 0.000674 | 0.00013 |
| 524149.22 | 4260245.3 | 0.000733 | 0.000794 | 0.000794 | 0.00016 |
| 524164.22 | 4260245.3 | 0.000864 | 0.000938 | 0.000938 | 0.00019 |
| 524179.22 | 4260245.3 | 0.001017 | 0.001109 | 0.001109 | 0.00022 |
| 524194.22 | 4260245.3 | 0.001231 | 0.001345 | 0.001345 | 0.00027 |
| 524209.22 | 4260245.3 | 0.001515 | 0.001662 | 0.001662 | 0.00033 |
| 524224.22 | 4260245.3 | 0.001873 | 0.00206 | 0.00206 | 0.00041 |
| 524239.22 | 4260245.3 | 0.002327 | 0.002567 | 0.002567 | 0.00051 |
| 524254.22 | 4260245.3 | 0.002921 | 0.003228 | 0.003228 | 0.00065 |
| 524269.22 | 4260245.3 | 0.003692 | 0.004087 | 0.004087 | 0.00082 |
| 524134.22 | 4260260.3 | 0.000669 | 0.000727 | 0.000727 | 0.00015 |
| 524149.22 | 4260260.3 | 0.000792 | 0.000862 | 0.000862 | 0.00017 |
| 524164.22 | 4260260.3 | 0.000933 | 0.001019 | 0.001019 | 0.00020 |
| 524179.22 | 4260260.3 | 0.001098 | 0.001201 | 0.001201 | 0.00024 |
| 524194.22 | 4260260.3 | 0.001317 | 0.001445 | 0.001445 | 0.00029 |
| 524209.22 | 4260260.3 | 0.00161 | 0.001771 | 0.001771 | 0.00035 |
| 524224.22 | 4260260.3 | 0.001974 | 0.002176 | 0.002176 | 0.00044 |
| 524239.22 | 4260260.3 | 0.002429 | 0.002683 | 0.002683 | 0.00054 |
| 524254.22 | 4260260.3 | 0.003004 | 0.003323 | 0.003323 | 0.00066 |
| 524269.22 | 4260260.3 | 0.003725 | 0.004126 | 0.004126 | 0.00083 |
| 524134.22 | 4260275.3 | 0.000697 | 0.000759 | 0.000759 | 0.00015 |
| 524149.22 | 4260275.3 | 0.000846 | 0.000923 | 0.000923 | 0.00018 |
| 524164.22 | 4260275.3 | 0.001001 | 0.001097 | 0.001097 | 0.00022 |
| 524179.22 | 4260275.3 | 0.001183 | 0.001297 | 0.001297 | 0.00026 |
| 524194.22 | 4260275.3 | 0.00141 | 0.001549 | 0.001549 | 0.00031 |
| 524209.22 | 4260275.3 | 0.0017 | 0.001873 | 0.001873 | 0.00037 |
| 524224.22 | 4260275.3 | 0.002058 | 0.002271 | 0.002271 | 0.00045 |
| 524239.22 | 4260275.3 | 0.002498 | 0.002762 | 0.002762 | 0.00055 |
| 524254.22 | 4260275.3 | 0.003049 | 0.003375 | 0.003375 | 0.00068 |
| 524269.22 | 4260275.3 | 0.003725 | 0.004128 | 0.004128 | 0.00083 |
| 524134.22 | 4260290.3 | 0.000721 | 0.000788 | 0.000788 | 0.00016 |
| 524149.22 | 4260290.3 | 0.000878 | 0.000961 | 0.000961 | 0.00019 |
| 524164.22 | 4260290.3 | 0.001058 | 0.001161 | 0.001161 | 0.00023 |
| 524179.22 | 4260290.3 | 0.001255 | 0.001379 | 0.001379 | 0.00028 |
| 524194.22 | 4260290.3 | 0.001488 | 0.001638 | 0.001638 | 0.00033 |
| 524209.22 | 4260290.3 | 0.001772 | 0.001955 | 0.001955 | 0.00039 |
| 524224.22 | 4260290.3 | 0.00212 | 0.002343 | 0.002343 | 0.00047 |
| 524239.22 | 4260290.3 | 0.002539 | 0.002809 | 0.002809 | 0.00056 |
| 524254.22 | 4260290.3 | 0.003058 | 0.003387 | 0.003387 | 0.00068 |
| 524269.22 | 4260290.3 | 0.003679 | 0.004079 | 0.004079 | 0.00082 |
| 524134.22 | 4260305.3 | 0.000754 | 0.000827 | 0.000827 | 0.00017 |
| 524149.22 | 4260305.3 | 0.000906 | 0.000995 | 0.000995 | 0.00020 |
| 524164.22 | 4260305.3 | 0.001103 | 0.001214 | 0.001214 | 0.00024 |
| 524179.22 | 4260305.3 | 0.00131 | 0.001442 | 0.001442 | 0.00029 |
| 524194.22 | 4260305.3 | 0.001549 | 0.001708 | 0.001708 | 0.00034 |
| 524209.22 | 4260305.3 | 0.00183 | 0.002021 | 0.002021 | 0.00040 |
| 524224.22 | 4260305.3 | 0.002166 | 0.002396 | 0.002396 | 0.00048 |
| 524239.22 | 4260305.3 | 0.002564 | 0.002839 | 0.002839 | 0.00057 |
| 524254.22 | 4260305.3 | 0.00304 | 0.003369 | 0.003369 | 0.00067 |
| 524269.22 | 4260305.3 | 0.003596 | 0.003988 | 0.003988 | 0.00080 |
| 524134.22 | 4260320.3 | 0.000787 | 0.000863 | 0.000863 | 0.00017 |
| 524149.22 | 4260320.3 | 0.000934 | 0.001028 | 0.001028 | 0.00021 |
| 524164.22 | 4260320.3 | 0.001126 | 0.00124 | 0.00124 | 0.00025 |
| 524179.22 | 4260320.3 | 0.001347 | 0.001485 | 0.001485 | 0.00030 |
| 524194.22 | 4260320.3 | 0.001586 | 0.001752 | 0.001752 | 0.00035 |
| 524209.22 | 4260320.3 | 0.001865 | 0.00206 | 0.00206 | 0.00041 |
| 524224.22 | 4260320.3 | 0.002186 | 0.002417 | 0.002417 | 0.00048 |
| 524239.22 | 4260320.3 | 0.002558 | 0.002832 | 0.002832 | 0.00057 |
| 524254.22 | 4260320.3 | 0.002989 | 0.003314 | 0.003314 | 0.00066 |
| 524269.22 | 4260320.3 | 0.003482 | 0.003863 | 0.003863 | 0.00077 |
| 524134.22 | 4260335.3 | 0.000818 | 0.0009 | 0.0009 | 0.00018 |
| 524149.22 | 4260335.3 | 0.00097 | 0.001067 | 0.001067 | 0.00021 |
| 524164.22 | 4260335.3 | 0.001157 | 0.001276 | 0.001276 | 0.00026 |
| 524179.22 | 4260335.3 | 0.001376 | 0.001517 | 0.001517 | 0.00030 |
| 524194.22 | 4260335.3 | 0.001608 | 0.001776 | 0.001776 | 0.00036 |
| 524209.22 | 4260335.3 | 0.001869 | 0.002067 | 0.002067 | 0.00041 |
| 524224.22 | 4260335.3 | 0.002171 | 0.002403 | 0.002403 | 0.00048 |
| 524239.22 | 4260335.3 | 0.002517 | 0.002788 | 0.002788 | 0.00056 |
| 524254.22 | 4260335.3 | 0.002913 | 0.003229 | 0.003229 | 0.00065 |
| 524269.22 | 4260335.3 | 0.003359 | 0.003725 | 0.003725 | 0.00075 |
| 524134.22 | 4260350.3 | 0.000848 | 0.000934 | 0.000934 | 0.00019 |
| 524149.22 | 4260350.3 | 0.000998 | 0.001101 | 0.001101 | 0.00022 |
| 524164.22 | 4260350.3 | 0.001186 | 0.001308 | 0.001308 | 0.00026 |
| 524179.22 | 4260350.3 | 0.001391 | 0.001537 | 0.001537 | 0.00031 |
| 524194.22 | 4260350.3 | 0.001613 | 0.001783 | 0.001783 | 0.00036 |
| 524209.22 | 4260350.3 | 0.00186 | 0.002058 | 0.002058 | 0.00041 |
| 524224.22 | 4260350.3 | 0.002142 | 0.002372 | 0.002372 | 0.00047 |
| 524239.22 | 4260350.3 | 0.00246 | 0.002727 | 0.002727 | 0.00055 |
| 524254.22 | 4260350.3 | 0.002818 | 0.003126 | 0.003126 | 0.00063 |
| 524269.22 | 4260350.3 | 0.003214 | 0.003567 | 0.003567 | 0.00071 |
| 524204.65 | 4260012.52 | 0.000478 | 0.000432 | 0.000478 | 0.00010 |
| 524203.43 | 4260005.01 | 0.000459 | 0.000416 | 0.000459 | 0.00009 |
| 524204.65 | 4259997.73 | 0.000445 | 0.000408 | 0.000445 | 0.00009 |
| 524204.4 | 4259988.28 | 0.00043 | 0.000396 | 0.00043 | 0.00009 |
| 524189.13 | 4260004.28 | 0.000446 | 0.000386 | 0.000446 | 0.00009 |
| 524189.37 | 4259993.85 | 0.000427 | 0.000373 | 0.000427 | 0.00009 |
| 524190.83 | 4259982.7 | 0.000417 | 0.000367 | 0.000417 | 0.00008 |
| 524246.78 | 4259946.49 | 0.000534 | 0.000547 | 0.000547 | 0.00011 |
| 524255.34 | 4259929.66 | 0.000561 | 0.00058 | 0.00058 | 0.00012 |
| 524250.49 | 4259937.65 | 0.000544 | 0.00056 | 0.00056 | 0.00011 |
| 524232.52 | 4259935.94 | 0.000472 | 0.000472 | 0.000472 | 0.00009 |
| 524220.54 | 4259937.94 | 0.000438 | 0.000427 | 0.000438 | 0.00009 |
| 524212.55 | 4259949.92 | 0.000422 | 0.000404 | 0.000422 | 0.00008 |
| 524206.28 | 4259957.62 | 0.000416 | 0.000389 | 0.000416 | 0.00008 |
| 524199.43 | 4259957.05 | 0.000408 | 0.000374 | 0.000408 | 0.00008 |
| 524188.31 | 4259954.48 | 0.00041 | 0.000358 | 0.00041 | 0.00008 |
| 524196.86 | 4259946.49 | 0.000407 | 0.000368 | 0.000407 | 0.00008 |
| 524203.71 | 4259947.63 | 0.00041 | 0.000381 | 0.00041 | 0.00008 |
| 524199.43 | 4259934.8 | 0.000407 | 0.000372 | 0.000407 | 0.00008 |
| 524206.56 | 4259925.1 | 0.000413 | 0.000387 | 0.000413 | 0.00008 |
| 524213.12 | 4259917.68 | 0.000419 | 0.000401 | 0.000419 | 0.00008 |
| 524241.93 | 4259920.25 | 0.000496 | 0.000505 | 0.000505 | 0.00010 |
| 524215.97 | 4259907.7 | 0.000424 | 0.000407 | 0.000424 | 0.00008 |
| 524221.11 | 4259892.3 | 0.000429 | 0.000417 | 0.000429 | 0.00009 |
| 524238.79 | 4259898.86 | 0.000473 | 0.000477 | 0.000477 | 0.00010 |
| 524238.79 | 4259907.98 | 0.000478 | 0.000483 | 0.000483 | 0.00010 |
| 524237.37 | 4259884.59 | 0.000461 | 0.000462 | 0.000462 | 0.00009 |
| 524214.83 | 4259881.17 | 0.000421 | 0.000401 | 0.000421 | 0.00008 |
| 524203.14 | 4259873.47 | 0.000415 | 0.00038 | 0.000415 | 0.00008 |
| 524198.29 | 4259867.19 | 0.000419 | 0.000375 | 0.000419 | 0.00008 |
| 524232.8 | 4259867.19 | 0.000445 | 0.000439 | 0.000445 | 0.00009 |
| 524233.09 | 4259857.5 | 0.00044 | 0.000433 | 0.00044 | 0.00009 |
| 524235.66 | 4259852.36 | 0.000444 | 0.000437 | 0.000444 | 0.00009 |
| 524239.65 | 4259845.51 | 0.000446 | 0.000442 | 0.000446 | 0.00009 |
| 524243.93 | 4259834.68 | 0.000448 | 0.000444 | 0.000448 | 0.00009 |
| 524250.49 | 4259823.84 | 0.000451 | 0.000449 | 0.000451 | 0.00009 |
| 524243.64 | 4259822.12 | 0.000439 | 0.000432 | 0.000439 | 0.00009 |
| 524232.8 | 4259816.13 | 0.000425 | 0.000407 | 0.000425 | 0.00008 |
| 524225.1 | 4259826.4 | 0.000422 | 0.0004 | 0.000422 | 0.00008 |
| 524218.26 | 4259836.67 | 0.000421 | 0.000395 | 0.000421 | 0.00008 |
| 524210.55 | 4259846.94 | 0.000418 | 0.000386 | 0.000418 | 0.00008 |
| 524202 | 4259857.5 | 0.000421 | 0.000379 | 0.000421 | 0.00008 |
| 524265.77 | 4259728.17 | 0.00043 | 0.000387 | 0.00043 | 0.00009 |
| 524273.47 | 4259713.63 | 0.000426 | 0.000383 | 0.000426 | 0.00009 |
| 524276.89 | 4259698.51 | 0.000418 | 0.000374 | 0.000418 | 0.00008 |
| 524260.92 | 4259693.94 | 0.000485 | 0.000396 | 0.000485 | 0.00010 |
| 524251.79 | 4259711.06 | 0.000512 | 0.000412 | 0.000512 | 0.00010 |
| 524250.65 | 4259723.04 | 0.000488 | 0.000404 | 0.000488 | 0.00010 |
| 524265.2 | 4259620.63 | 0.000545 | 0.000405 | 0.000545 | 0.00011 |
| 524284.88 | 4259588.39 | 0.000494 | 0.000375 | 0.000494 | 0.00010 |
| 524305.71 | 4259554.73 | 0.000512 | 0.000383 | 0.000512 | 0.00010 |
| 524315.12 | 4259565 | 0.000421 | 0.000342 | 0.000421 | 0.00008 |
| 524303.99 | 4259604.08 | 0.00039 | 0.000335 | 0.00039 | 0.00008 |
| 524638.04 | 4260127.68 | 0.002685 | 0.002987 | 0.002987 | 0.00060 |
| 524645.94 | 4260114.25 | 0.002328 | 0.002589 | 0.002589 | 0.00052 |
| 524647.12 | 4260105.17 | 0.002234 | 0.002484 | 0.002484 | 0.00050 |
| 524662.52 | 4260077.53 | 0.001682 | 0.00187 | 0.00187 | 0.00037 |
| 524692.14 | 4260053.84 | 0.001158 | 0.001285 | 0.001285 | 0.00026 |
| 524752.55 | 4260050.68 | 0.000765 | 0.00085 | 0.00085 | 0.00017 |
| 524338.94 | 4260404.55 | 0.003614 | 0.004017 | 0.004017 | 0.00080 |
| 524441.43 | 4260403.88 | 0.003941 | 0.004383 | 0.004383 | 0.00088 |
| 524538.99 | 4260369.97 | 0.002512 | 0.002794 | 0.002794 | 0.00056 |
| 524566.4 | 4260356.96 | 0.002255 | 0.002507 | 0.002507 | 0.00050 |
| 524530.17 | 4260389.94 | 0.002404 | 0.002674 | 0.002674 | 0.00053 |
| 524498.28 | 4260239.21 | 0.013379 | 0.014891 | 0.014891 | 0.00298 |
| 524477.41 | 4260262.98 | 0.013034 | 0.014506 | 0.014506 | 0.00290 |
| 524494.8 | 4260256.02 | 0.011798 | 0.013131 | 0.013131 | 0.00263 |
| 524515.67 | 4260222.4 | 0.012339 | 0.013733 | 0.013733 | 0.00275 |
| 524519.73 | 4260238.63 | 0.0101 | 0.01124 | 0.01124 | 0.00225 |
| 524519.15 | 4260249.06 | 0.00924 | 0.010283 | 0.010283 | 0.00206 |
| 524529 | 4260210.8 | 0.011382 | 0.012667 | 0.012667 | 0.00253 |
| 524535.38 | 4260221.82 | 0.009666 | 0.010758 | 0.010758 | 0.00215 |
| 524534.22 | 4260237.47 | 0.008557 | 0.009523 | 0.009523 | 0.00190 |
| 524546.97 | 4260196.89 | 0.009601 | 0.010686 | 0.010686 | 0.00214 |
| 524546.97 | 4260211.38 | 0.008854 | 0.009853 | 0.009853 | 0.00197 |
| 524549.87 | 4260224.14 | 0.007857 | 0.008744 | 0.008744 | 0.00175 |
| 524560.3 | 4260187.04 | 0.008372 | 0.009317 | 0.009317 | 0.00186 |
| 524569 | 4260203.85 | 0.006829 | 0.007598 | 0.007598 | 0.00152 |
| 524580.01 | 4260180.66 | 0.006547 | 0.007285 | 0.007285 | 0.00146 |
| 524580.01 | 4260198.05 | 0.006131 | 0.006822 | 0.006822 | 0.00136 |
| 524588.13 | 4260163.27 | 0.006048 | 0.006729 | 0.006729 | 0.00135 |
| 524598.57 | 4260182.98 | 0.005067 | 0.005637 | 0.005637 | 0.00113 |
| 524596.25 | 4260169.64 | 0.005315 | 0.005913 | 0.005913 | 0.00118 |

**Maximum Caner Risk**
0.00

**BAAQMD threshold of significance**
1

**Exceed thresholds?**
No

| A | A | 2212 | 2212 | Male | Yellowcurrant beer tide |
|---|---|---|---|---|---|
| 241 | 241 | Agreeable | Agreeable | Male | Yellowcurrant beer tide |
| Assault | Assault | Pale 2 | Pale 2 | Pale 2 | Ballpoint livestock suffragette wave |
| Assault | Assault | Pale 2 | Pale 2 | Pale 2 | Ballpoint livestock suffragette wave |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | Kennel foreclosure |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | No |

Ultrasound Emerald Kite

Thin Ivy

Annual earnings Fred 2.5 Dinosaur Coffee Oven

| A | A | 2212 | 2212 | Male | Yellowcurrant beer tide |
|---|---|---|---|---|---|
| 241 | 241 | Agreeable | Agreeable | Male | Yellowcurrant beer tide |
| Assault | Assault | Pale 2 | Pale 2 | Pale 2 | Ballpoint livestock suffragette wave |
| Assault | Assault | Pale 2 | Pale 2 | Pale 2 | Ballpoint livestock suffragette wave |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | Kennel foreclosure |
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | No |

of Sanctuary Ecosystem

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**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.2.0
** Lakes Environmental Software Inc.
** Date: 6/3/2017
** File: C:\Users\xli\Desktop\3316.0022 Oakmont Emerald Isle\Construction AERMOD\Construction AERMOD\Construction AERMOD.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
  TITLEONE C:\Users\xli\Desktop\3316.0022 Oakmont Emerald Isle\Construction AER
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  POLLUTID DPM
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL "Construction AERMOD.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION PAREA1      AREAPOLY   524342.115  4260157.784     156.550
** DESCRSRC construction area source
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC line
** PREFIX
** Length of Side = 9.00
** Configuration = Adjacent
** Emission Rate = 0.0001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45
** Nodes = 22
** 524359.909, 4260066.905, 165.11, 3.11, 4.19
** 524280.726, 4260053.559, 151.76, 3.11, 4.19
** 524189.977, 4260041.993, 152.48, 3.11, 4.19
** 524143.713, 4260038.435, 151.99, 3.11, 4.19
** 524146.382, 4259934.340, 139.80, 3.11, 4.19
** 524150.830, 4259872.951, 136.05, 3.11, 4.19
** 524157.058, 4259839.142, 133.97, 3.11, 4.19
** 524173.962, 4259791.989, 131.11, 3.11, 4.19
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** 524213.109, 4259719.033, 125.98, 3.11, 4.19
** 524238.910, 4259672.769, 126.90, 3.11, 4.19
** 524245.138, 4259604.263, 125.92, 3.11, 4.19
** 524260.263, 4259578.461, 125.29, 3.11, 4.19
** 524306.527, 4259522.411, 122.62, 3.11, 4.19
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LOCATION L0000061 VOLUME 524209.976 4259724.873 126.22
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  LOCATION L0000134    VOLUME   524373.236 4259112.197 118.76
  LOCATION L0000135    VOLUME   524379.309 4259105.555 119.00
  LOCATION L0000136    VOLUME   524385.382 4259098.913 119.16
  LOCATION L0000137    VOLUME   524391.454 4259092.271 119.22
  LOCATION L0000138    VOLUME   524397.527 4259085.628 119.32
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** Source Parameters **
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  SRCPARAM L0000010   0.0000007246   3.11   4.19   1.45
  SRCPARAM L0000011   0.0000007246   3.11   4.19   1.45
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SRCPARAM L0000125 0.0000007246 3.11 4.19 1.45

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  SRCPARAM L0000137    0.0000007246    3.11    4.19    1.45
  SRCPARAM L0000138    0.0000007246    3.11    4.19    1.45
** ------------------------------------------------------------------------

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT PAREA1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT PAREA1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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  EMISFACT L0000001    HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT L0000001    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000002    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000002    HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
  EMISFACT L0000002    HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
  EMISFACT L0000002    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
  EMISFACT L0000003    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000131    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000131    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000132    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000132    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000132    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000132    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000133    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000133    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000133    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000133    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000134    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000134    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000134    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000134    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000135    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000135    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000135    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000136    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000136    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000136    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000136    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000137    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000137    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000137    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000137    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000138    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000138    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000138    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000138    HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP AREA    PAREA1
SRCGROUP LINE    L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
SRCGROUP LINE    L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
SRCGROUP LINE    L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
SRCGROUP LINE    L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
SRCGROUP LINE    L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
SRCGROUP LINE    L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
SRCGROUP LINE    L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
SRCGROUP LINE    L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
SRCGROUP LINE    L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
SRCGROUP LINE    L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
SRCGROUP LINE    L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
SRCGROUP LINE    L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
SRCGROUP LINE    L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
SRCGROUP LINE    L0000079 L0000080 L0000081 L0000082 L0000083 L0000084
SRCGROUP LINE    L0000085 L0000086 L0000087 L0000088 L0000089 L0000090
SRCGROUP LINE    L0000091 L0000092 L0000093 L0000094 L0000095 L0000096
SRCGROUP LINE    L0000097 L0000098 L0000099 L0000100 L0000101 L0000102
SRCGROUP LINE    L0000103 L0000104 L0000105 L0000106 L0000107 L0000108
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  SRCGROUP LINE    L0000109 L0000110 L0000111 L0000112 L0000113 L0000114
  SRCGROUP LINE    L0000115 L0000116 L0000117 L0000118 L0000119 L0000120
  SRCGROUP LINE    L0000121 L0000122 L0000123 L0000124 L0000125 L0000126
  SRCGROUP LINE    L0000127 L0000128 L0000129 L0000130 L0000131 L0000132
  SRCGROUP LINE    L0000133 L0000134 L0000135 L0000136 L0000137 L0000138
  SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
  INCLUDED "Construction AERMOD.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
  SURFFILE ..\724957\724957.SFC
  PROFFILE ..\724957\724957.PFL
  SURFDATA 23213 2009
  UAIRDATA 23230 2009 OAKLAND/WSO_AP
  PROFBASE 34.8 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE ANNUAL ALL "Construction AERMOD.AD\AN00GALL.PLT" 31
  PLOTFILE ANNUAL AREA "Construction AERMOD.AD\AN00G001.PLT" 32
  PLOTFILE ANNUAL LINE "Construction AERMOD.AD\AN00G002.PLT" 33
  SUMMFILE "Construction AERMOD.sum"
OU FINISHED

 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************
```

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** 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:
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 139 Source(s); 3 Source Group(s); and 283 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 138 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
Model Outputs Tables of ANNUAL Averages by Receptor
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) =  34.80 ;  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 =  3.7 MB of RAM.

**Detailed Error/Message File:  Construction AERMOD.err
**File for Summary of Results:  Construction AERMOD.sum

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0000001 | 0 | 0.72460E-06 | 524355.5 | 4260066.2 | 163.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000002 | 0 | 0.72460E-06 | 524346.6 | 4260064.7 | 161.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000003 | 0 | 0.72460E-06 | 524337.7 | 4260063.2 | 159.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000004 | 0 | 0.72460E-06 | 524328.8 | 4260061.7 | 158.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000005 | 0 | 0.72460E-06 | 524320.0 | 4260060.2 | 156.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000006 | 0 | 0.72460E-06 | 524311.1 | 4260058.7 | 155.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000007 | 0 | 0.72460E-06 | 524302.2 | 4260057.2 | 154.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000008 | 0 | 0.72460E-06 | 524293.3 | 4260055.7 | 153.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000009 | 0 | 0.72460E-06 | 524284.5 | 4260054.2 | 152.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000010 | 0 | 0.72460E-06 | 524275.6 | 4260052.9 | 151.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000011 | 0 | 0.72460E-06 | 524266.6 | 4260051.8 | 151.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000012 | 0 | 0.72460E-06 | 524257.7 | 4260050.6 | 151.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000013 | 0 | 0.72460E-06 | 524248.8 | 4260049.5 | 151.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000014 | 0 | 0.72460E-06 | 524239.9 | 4260048.3 | 151.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000015 | 0 | 0.72460E-06 | 524230.9 | 4260047.2 | 151.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000016 | 0 | 0.72460E-06 | 524222.0 | 4260046.1 | 150.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000017 | 0 | 0.72460E-06 | 524213.1 | 4260044.9 | 150.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000018 | 0 | 0.72460E-06 | 524204.1 | 4260043.8 | 151.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000019 | 0 | 0.72460E-06 | 524195.2 | 4260042.7 | 151.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000020 | 0 | 0.72460E-06 | 524186.3 | 4260041.7 | 152.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000021 | 0 | 0.72460E-06 | 524177.3 | 4260041.0 | 152.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000022 | 0 | 0.72460E-06 | 524168.3 | 4260040.3 | 152.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000023 | 0 | 0.72460E-06 | 524159.3 | 4260039.6 | 151.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000024 | 0 | 0.72460E-06 | 524150.4 | 4260038.9 | 151.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000025 | 0 | 0.72460E-06 | 524143.8 | 4260036.1 | 151.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000026 | 0 | 0.72460E-06 | 524144.0 | 4260027.1 | 150.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000027 | 0 | 0.72460E-06 | 524144.2 | 4260018.1 | 148.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000028 | 0 | 0.72460E-06 | 524144.5 | 4260009.1 | 147.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000029 | 0 | 0.72460E-06 | 524144.7 | 4260000.1 | 146.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000030 | 0 | 0.72460E-06 | 524144.9 | 4259991.1 | 145.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000031 | 0 | 0.72460E-06 | 524145.2 | 4259982.1 | 144.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000032 | 0 | 0.72460E-06 | 524145.4 | 4259973.1 | 143.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000033 | 0 | 0.72460E-06 | 524145.6 | 4259964.1 | 142.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000034 | 0 | 0.72460E-06 | 524145.8 | 4259955.1 | 141.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000035 | 0 | 0.72460E-06 | 524146.1 | 4259946.1 | 141.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000036 | 0 | 0.72460E-06 | 524146.3 | 4259937.2 | 140.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000037 | 0 | 0.72460E-06 | 524146.8 | 4259928.2 | 139.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000038 | 0 | 0.72460E-06 | 524147.5 | 4259919.2 | 139.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000039 | 0 | 0.72460E-06 | 524148.1 | 4259910.2 | 138.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000040 | 0 | 0.72460E-06 | 524148.8 | 4259901.2 | 138.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0000041 | 0 | 0.72460E-06 | 524149.4 | 4259892.3 | 137.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000042 | 0 | 0.72460E-06 | 524150.1 | 4259883.3 | 137.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000043 | 0 | 0.72460E-06 | 524150.7 | 4259874.3 | 136.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000044 | 0 | 0.72460E-06 | 524152.2 | 4259865.4 | 135.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000045 | 0 | 0.72460E-06 | 524153.8 | 4259856.6 | 135.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000046 | 0 | 0.72460E-06 | 524155.5 | 4259847.7 | 134.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000047 | 0 | 0.72460E-06 | 524157.1 | 4259838.9 | 134.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000048 | 0 | 0.72460E-06 | 524160.2 | 4259830.4 | 133.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000049 | 0 | 0.72460E-06 | 524163.2 | 4259822.0 | 132.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000050 | 0 | 0.72460E-06 | 524166.3 | 4259813.5 | 132.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000051 | 0 | 0.72460E-06 | 524169.3 | 4259805.0 | 131.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000052 | 0 | 0.72460E-06 | 524172.3 | 4259796.5 | 130.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000053 | 0 | 0.72460E-06 | 524175.9 | 4259788.3 | 129.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000054 | 0 | 0.72460E-06 | 524180.2 | 4259780.4 | 128.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000055 | 0 | 0.72460E-06 | 524184.4 | 4259772.5 | 127.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000056 | 0 | 0.72460E-06 | 524188.7 | 4259764.5 | 127.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000057 | 0 | 0.72460E-06 | 524193.0 | 4259756.6 | 127.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000058 | 0 | 0.72460E-06 | 524197.2 | 4259748.7 | 127.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000059 | 0 | 0.72460E-06 | 524201.5 | 4259740.7 | 126.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000060 | 0 | 0.72460E-06 | 524205.7 | 4259732.8 | 126.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000061 | 0 | 0.72460E-06 | 524210.0 | 4259724.9 | 126.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000062 | 0 | 0.72460E-06 | 524214.3 | 4259717.0 | 126.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000063 | 0 | 0.72460E-06 | 524218.6 | 4259709.1 | 126.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000064 | 0 | 0.72460E-06 | 524223.0 | 4259701.2 | 126.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000065 | 0 | 0.72460E-06 | 524227.4 | 4259693.4 | 126.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000066 | 0 | 0.72460E-06 | 524231.8 | 4259685.5 | 126.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000067 | 0 | 0.72460E-06 | 524236.2 | 4259677.7 | 126.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000068 | 0 | 0.72460E-06 | 524239.2 | 4259669.4 | 126.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000069 | 0 | 0.72460E-06 | 524240.0 | 4259660.4 | 126.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000070 | 0 | 0.72460E-06 | 524240.8 | 4259651.5 | 126.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000071 | 0 | 0.72460E-06 | 524241.7 | 4259642.5 | 126.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000072 | 0 | 0.72460E-06 | 524242.5 | 4259633.5 | 126.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000073 | 0 | 0.72460E-06 | 524243.3 | 4259624.6 | 126.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000074 | 0 | 0.72460E-06 | 524244.1 | 4259615.6 | 126.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000075 | 0 | 0.72460E-06 | 524244.9 | 4259606.6 | 126.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000076 | 0 | 0.72460E-06 | 524248.5 | 4259598.6 | 126.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000077 | 0 | 0.72460E-06 | 524253.0 | 4259590.8 | 126.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000078 | 0 | 0.72460E-06 | 524257.6 | 4259583.0 | 126.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000079 | 0 | 0.72460E-06 | 524262.6 | 4259575.6 | 126.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000080 | 0 | 0.72460E-06 | 524268.3 | 4259568.7 | 126.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0000081 | 0 | 0.72460E-06 | 524274.1 | 4259561.7 | 126.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000082 | 0 | 0.72460E-06 | 524279.8 | 4259554.8 | 125.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000083 | 0 | 0.72460E-06 | 524285.5 | 4259547.8 | 124.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000084 | 0 | 0.72460E-06 | 524291.3 | 4259540.9 | 124.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000085 | 0 | 0.72460E-06 | 524297.0 | 4259534.0 | 123.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000086 | 0 | 0.72460E-06 | 524302.7 | 4259527.0 | 123.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000087 | 0 | 0.72460E-06 | 524307.8 | 4259519.7 | 122.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000088 | 0 | 0.72460E-06 | 524311.7 | 4259511.6 | 121.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000089 | 0 | 0.72460E-06 | 524315.6 | 4259503.5 | 121.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000090 | 0 | 0.72460E-06 | 524319.5 | 4259495.3 | 122.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000091 | 0 | 0.72460E-06 | 524323.4 | 4259487.2 | 122.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000092 | 0 | 0.72460E-06 | 524327.3 | 4259479.1 | 124.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000093 | 0 | 0.72460E-06 | 524329.0 | 4259470.5 | 123.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000094 | 0 | 0.72460E-06 | 524329.3 | 4259461.5 | 123.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000095 | 0 | 0.72460E-06 | 524329.6 | 4259452.5 | 122.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000096 | 0 | 0.72460E-06 | 524329.9 | 4259443.5 | 122.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000097 | 0 | 0.72460E-06 | 524330.2 | 4259434.5 | 124.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000098 | 0 | 0.72460E-06 | 524330.5 | 4259425.5 | 127.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000099 | 0 | 0.72460E-06 | 524328.7 | 4259416.7 | 130.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000100 | 0 | 0.72460E-06 | 524326.8 | 4259407.9 | 133.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000101 | 0 | 0.72460E-06 | 524325.0 | 4259399.1 | 136.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000102 | 0 | 0.72460E-06 | 524323.1 | 4259390.3 | 138.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000103 | 0 | 0.72460E-06 | 524321.2 | 4259381.5 | 139.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000104 | 0 | 0.72460E-06 | 524319.4 | 4259372.7 | 138.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000105 | 0 | 0.72460E-06 | 524318.5 | 4259363.8 | 137.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000106 | 0 | 0.72460E-06 | 524319.7 | 4259354.9 | 136.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000107 | 0 | 0.72460E-06 | 524320.9 | 4259346.0 | 135.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000108 | 0 | 0.72460E-06 | 524322.1 | 4259337.1 | 135.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000109 | 0 | 0.72460E-06 | 524323.3 | 4259328.1 | 134.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000110 | 0 | 0.72460E-06 | 524324.5 | 4259319.2 | 133.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000111 | 0 | 0.72460E-06 | 524326.6 | 4259310.5 | 133.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000112 | 0 | 0.72460E-06 | 524329.8 | 4259302.1 | 132.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000113 | 0 | 0.72460E-06 | 524333.1 | 4259293.7 | 131.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000114 | 0 | 0.72460E-06 | 524336.3 | 4259285.3 | 130.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000115 | 0 | 0.72460E-06 | 524339.5 | 4259276.9 | 128.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000116 | 0 | 0.72460E-06 | 524342.7 | 4259268.5 | 127.6 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000117 | 0 | 0.72460E-06 | 524345.9 | 4259260.1 | 126.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000118 | 0 | 0.72460E-06 | 524349.2 | 4259251.7 | 125.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000119 | 0 | 0.72460E-06 | 524352.8 | 4259243.5 | 124.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000120 | 0 | 0.72460E-06 | 524356.4 | 4259235.2 | 124.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC) | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| L0000121 | 0 | 0.72460E-06 | 524360.0 | 4259227.0 | 124.4 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000122 | 0 | 0.72460E-06 | 524363.6 | 4259218.7 | 124.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000123 | 0 | 0.72460E-06 | 524367.0 | 4259210.5 | 124.9 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000124 | 0 | 0.72460E-06 | 524367.0 | 4259201.5 | 123.7 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000125 | 0 | 0.72460E-06 | 524367.0 | 4259192.5 | 122.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000126 | 0 | 0.72460E-06 | 524367.0 | 4259183.5 | 120.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000127 | 0 | 0.72460E-06 | 524367.0 | 4259174.5 | 119.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000128 | 0 | 0.72460E-06 | 524367.0 | 4259165.5 | 117.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000129 | 0 | 0.72460E-06 | 524367.0 | 4259156.5 | 116.5 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000130 | 0 | 0.72460E-06 | 524367.1 | 4259147.5 | 115.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000131 | 0 | 0.72460E-06 | 524368.5 | 4259138.6 | 116.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000132 | 0 | 0.72460E-06 | 524369.8 | 4259129.7 | 117.1 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000133 | 0 | 0.72460E-06 | 524371.2 | 4259120.8 | 118.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000134 | 0 | 0.72460E-06 | 524373.2 | 4259112.2 | 118.8 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000135 | 0 | 0.72460E-06 | 524379.3 | 4259105.6 | 119.0 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000136 | 0 | 0.72460E-06 | 524385.4 | 4259098.9 | 119.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000137 | 0 | 0.72460E-06 | 524391.5 | 4259092.3 | 119.2 | 3.11 | 4.19 | 1.45 | NO | HRDOW |
| L0000138 | 0 | 0.72460E-06 | 524397.5 | 4259085.6 | 119.3 | 3.11 | 4.19 | 1.45 | NO | HRDOW |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** AREAPOLY SOURCE DATA ***

| SOURCE ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC /METER**2) | LOCATION OF AREA X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | NUMBER OF VERTS. | INIT. SZ (METERS) | URBAN SOURCE | EMISSION RATE SCALAR VARY BY |
|---|---|---|---|---|---|---|---|---|---|---|
| PAREA1 | 0 | 0.10000E-03 | 524342.1 | 4260157.8 | 156.6 | 5.00 | 6 | 0.00 | NO | HRDOW |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs
---------- ----------

AREA PAREA1 ,

LINE L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,
L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,
L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,
L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 , L0000136 ,
L0000137 , L0000138 ,

ALL PAREA1 , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|---|---|

L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 ,

L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,

L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 ,

L0000032 , L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 ,

L0000040 , L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 ,

L0000048 , L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 ,

L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 ,

L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 ,

L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,

L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 ,

L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 ,

L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,

L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 ,

L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 ,

L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 , L0000127 ,

L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 , L0000135 ,

L0000136 , L0000137 , L0000138 ,

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000033 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000044 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000046 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000047 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000056 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000058 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000059 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000069 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000070 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000071 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000072 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000073 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000074 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000075 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000076 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000077 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000079 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000080 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000081 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000083 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000086 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000087 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000094 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000096 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000097 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000098 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000100 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000102 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000103 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000104 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000105 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000106 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000107 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000109 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000110 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000112 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000117 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000118 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000119 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000120 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000121 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000122 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000123 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000124 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000125 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000126 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000127 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000128 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000129 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000131 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000132 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000133 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000135 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000136 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000137 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY OF WEEK = WEEKDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

*** X-COORDINATES OF GRID ***
(METERS)

524134.2, 524149.2, 524164.2, 524179.2, 524194.2, 524209.2, 524224.2, 524239.2, 524254.2, 524269.2,

*** Y-COORDINATES OF GRID ***
(METERS)

4260065.3, 4260080.3, 4260095.3, 4260110.3, 4260125.3, 4260140.3, 4260155.3, 4260170.3, 4260185.3, 4260200.3,
4260215.3, 4260230.3, 4260245.3, 4260260.3, 4260275.3, 4260290.3, 4260305.3, 4260320.3, 4260335.3, 4260350.3,

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 524134.22 | 524149.22 | 524164.22 | 524179.22 | 524194.22 | 524209.22 | 524224.22 | 524239.22 | 524254.22 |
| 4260350.30 | 159.70 | 158.10 | 155.90 | 153.50 | 151.10 | 148.80 | 147.80 | 147.40 | 147.60 |
| 4260335.30 | 159.90 | 158.40 | 156.20 | 153.70 | 151.20 | 148.70 | 147.50 | 146.80 | 146.80 |
| 4260320.30 | 159.90 | 158.40 | 156.20 | 153.70 | 151.20 | 148.70 | 147.30 | 146.40 | 146.20 |
| 4260305.30 | 159.30 | 157.40 | 154.70 | 151.60 | 149.40 | 147.40 | 146.30 | 145.50 | 145.40 |
| 4260290.30 | 158.50 | 156.10 | 152.70 | 148.90 | 146.90 | 145.70 | 145.00 | 144.40 | 144.60 |
| 4260275.30 | 156.50 | 153.60 | 150.10 | 146.20 | 144.90 | 144.70 | 144.40 | 144.10 | 144.20 |
| 4260260.30 | 154.10 | 150.70 | 147.20 | 143.70 | 143.10 | 143.90 | 144.10 | 144.00 | 144.00 |
| 4260245.30 | 150.90 | 148.00 | 145.30 | 142.80 | 142.70 | 143.70 | 144.00 | 144.00 | 144.10 |
| 4260230.30 | 147.50 | 145.30 | 143.70 | 142.40 | 142.70 | 143.70 | 144.00 | 144.00 | 144.30 |
| 4260215.30 | 144.10 | 142.90 | 142.20 | 141.80 | 142.50 | 143.60 | 144.30 | 144.60 | 145.20 |
| 4260200.30 | 140.80 | 140.60 | 140.70 | 141.00 | 142.10 | 143.60 | 144.60 | 145.50 | 146.40 |
| 4260185.30 | 139.80 | 139.90 | 140.70 | 141.80 | 143.10 | 144.40 | 145.70 | 147.10 | 148.20 |
| 4260170.30 | 139.40 | 139.90 | 141.30 | 143.10 | 144.40 | 145.40 | 147.10 | 148.90 | 150.20 |
| 4260155.30 | 141.00 | 141.70 | 143.20 | 145.00 | 146.30 | 147.50 | 149.00 | 150.60 | 151.70 |
| 4260140.30 | 143.20 | 144.10 | 145.50 | 147.00 | 148.50 | 150.00 | 151.20 | 152.30 | 153.00 |
| 4260125.30 | 145.50 | 146.30 | 147.40 | 148.70 | 150.10 | 151.40 | 152.30 | 153.10 | 153.70 |
| 4260110.30 | 147.80 | 148.30 | 149.30 | 150.30 | 151.40 | 152.40 | 153.10 | 153.70 | 154.20 |
| 4260095.30 | 149.90 | 150.40 | 150.90 | 151.60 | 152.20 | 152.80 | 153.20 | 153.50 | 153.80 |
| 4260080.30 | 151.90 | 152.40 | 152.60 | 152.70 | 152.80 | 153.00 | 153.00 | 153.10 | 153.20 |
| 4260065.30 | 152.40 | 152.90 | 153.00 | 153.00 | 152.70 | 152.40 | 152.20 | 152.20 | 152.20 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* ELEVATION HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 524269.22 |
|---|---|
| 4260350.30 | 148.20 |
| 4260335.30 | 147.20 |
| 4260320.30 | 146.20 |
| 4260305.30 | 145.60 |
| 4260290.30 | 145.00 |
| 4260275.30 | 144.50 |
| 4260260.30 | 144.10 |
| 4260245.30 | 144.30 |
| 4260230.30 | 144.70 |
| 4260215.30 | 145.90 |
| 4260200.30 | 147.40 |
| 4260185.30 | 149.20 |
| 4260170.30 | 151.20 |
| 4260155.30 | 152.50 |
| 4260140.30 | 153.60 |
| 4260125.30 | 154.20 |
| 4260110.30 | 154.70 |
| 4260095.30 | 154.20 |
| 4260080.30 | 153.20 |
| 4260065.30 | 152.20 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 524134.22 | 524149.22 | 524164.22 | 524179.22 | 524194.22 | 524209.22 | 524224.22 | 524239.22 | 524254.22 |
| 4260350.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260335.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260320.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260305.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260290.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260275.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260260.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260245.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260230.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260215.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260200.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260185.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260170.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260155.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260140.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260125.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260110.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260095.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260080.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |
| 4260065.30 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 | 278.00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* HILL HEIGHT SCALES IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 524269.22 |
|---|---|
| 4260350.30 | 278.00 |
| 4260335.30 | 278.00 |
| 4260320.30 | 278.00 |
| 4260305.30 | 278.00 |
| 4260290.30 | 278.00 |
| 4260275.30 | 278.00 |
| 4260260.30 | 278.00 |
| 4260245.30 | 278.00 |
| 4260230.30 | 278.00 |
| 4260215.30 | 278.00 |
| 4260200.30 | 278.00 |
| 4260185.30 | 278.00 |
| 4260170.30 | 278.00 |
| 4260155.30 | 278.00 |
| 4260140.30 | 278.00 |
| 4260125.30 | 278.00 |
| 4260110.30 | 278.00 |
| 4260095.30 | 278.00 |
| 4260080.30 | 278.00 |
| 4260065.30 | 278.00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 524134.22 | 524149.22 | 524164.22 | 524179.22 | 524194.22 | 524209.22 | 524224.22 | 524239.22 | 524254.22 |
| 4260350.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260335.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260320.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260305.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260290.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260275.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260260.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260245.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260230.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260215.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260200.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260185.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260170.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260155.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260140.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260125.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260110.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260095.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260080.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 4260065.30 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

| Y-COORD (METERS) | X-COORD (METERS) 524269.22 |
|---|---|
| 4260350.30 | 2.00 |
| 4260335.30 | 2.00 |
| 4260320.30 | 2.00 |
| 4260305.30 | 2.00 |
| 4260290.30 | 2.00 |
| 4260275.30 | 2.00 |
| 4260260.30 | 2.00 |
| 4260245.30 | 2.00 |
| 4260230.30 | 2.00 |
| 4260215.30 | 2.00 |
| 4260200.30 | 2.00 |
| 4260185.30 | 2.00 |
| 4260170.30 | 2.00 |
| 4260155.30 | 2.00 |
| 4260140.30 | 2.00 |
| 4260125.30 | 2.00 |
| 4260110.30 | 2.00 |
| 4260095.30 | 2.00 |
| 4260080.30 | 2.00 |
| 4260065.30 | 2.00 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ( 524204.6, | 4260012.5, | 147.0, | 278.0, | 2.0); | ( 524203.4, | 4260005.0, | 146.4, | 278.0, | 2.0); |
| ( 524204.6, | 4259997.7, | 145.9, | 278.0, | 2.0); | ( 524204.4, | 4259988.3, | 145.1, | 278.0, | 2.0); |
| ( 524189.1, | 4260004.3, | 146.7, | 278.0, | 2.0); | ( 524189.4, | 4259993.8, | 145.7, | 278.0, | 2.0); |
| ( 524190.8, | 4259982.7, | 144.8, | 278.0, | 2.0); | ( 524246.8, | 4259946.5, | 146.8, | 278.0, | 2.0); |
| ( 524255.3, | 4259929.7, | 146.5, | 278.0, | 2.0); | ( 524250.5, | 4259937.6, | 146.6, | 278.0, | 2.0); |
| ( 524232.5, | 4259935.9, | 145.3, | 278.0, | 2.0); | ( 524220.5, | 4259937.9, | 144.4, | 278.0, | 2.0); |
| ( 524212.5, | 4259949.9, | 144.5, | 278.0, | 2.0); | ( 524206.3, | 4259957.6, | 144.5, | 278.0, | 2.0); |
| ( 524199.4, | 4259957.0, | 144.1, | 278.0, | 2.0); | ( 524188.3, | 4259954.5, | 143.2, | 278.0, | 2.0); |
| ( 524196.9, | 4259946.5, | 143.2, | 278.0, | 2.0); | ( 524203.7, | 4259947.6, | 143.7, | 278.0, | 2.0); |
| ( 524199.4, | 4259934.8, | 142.6, | 278.0, | 2.0); | ( 524206.6, | 4259925.1, | 142.5, | 278.0, | 2.0); |
| ( 524213.1, | 4259917.7, | 142.7, | 278.0, | 2.0); | ( 524241.9, | 4259920.2, | 145.4, | 278.0, | 2.0); |
| ( 524216.0, | 4259907.7, | 142.6, | 278.0, | 2.0); | ( 524221.1, | 4259892.3, | 142.3, | 278.0, | 2.0); |
| ( 524238.8, | 4259898.9, | 143.8, | 278.0, | 2.0); | ( 524238.8, | 4259908.0, | 144.4, | 278.0, | 2.0); |
| ( 524237.4, | 4259884.6, | 142.9, | 278.0, | 2.0); | ( 524214.8, | 4259881.2, | 141.5, | 278.0, | 2.0); |
| ( 524203.1, | 4259873.5, | 140.5, | 278.0, | 2.0); | ( 524198.3, | 4259867.2, | 140.0, | 278.0, | 2.0); |
| ( 524232.8, | 4259867.2, | 141.7, | 278.0, | 2.0); | ( 524233.1, | 4259857.5, | 141.3, | 278.0, | 2.0); |
| ( 524235.7, | 4259852.4, | 141.3, | 278.0, | 2.0); | ( 524239.6, | 4259845.5, | 141.2, | 278.0, | 2.0); |
| ( 524243.9, | 4259834.7, | 140.9, | 278.0, | 2.0); | ( 524250.5, | 4259823.8, | 140.6, | 278.0, | 2.0); |
| ( 524243.6, | 4259822.1, | 140.5, | 278.0, | 2.0); | ( 524232.8, | 4259816.1, | 139.5, | 278.0, | 2.0); |
| ( 524225.1, | 4259826.4, | 139.6, | 278.0, | 2.0); | ( 524218.3, | 4259836.7, | 140.2, | 278.0, | 2.0); |
| ( 524210.5, | 4259846.9, | 139.9, | 278.0, | 2.0); | ( 524202.0, | 4259857.5, | 139.5, | 278.0, | 2.0); |
| ( 524265.8, | 4259728.2, | 129.9, | 278.0, | 2.0); | ( 524273.5, | 4259713.6, | 129.0, | 278.0, | 2.0); |
| ( 524276.9, | 4259698.5, | 129.4, | 278.0, | 2.0); | ( 524260.9, | 4259693.9, | 128.2, | 278.0, | 2.0); |
| ( 524251.8, | 4259711.1, | 127.5, | 278.0, | 2.0); | ( 524250.6, | 4259723.0, | 128.2, | 278.0, | 2.0); |
| ( 524265.2, | 4259620.6, | 128.4, | 278.0, | 2.0); | ( 524284.9, | 4259588.4, | 128.9, | 278.0, | 2.0); |
| ( 524305.7, | 4259554.7, | 127.4, | 278.0, | 2.0); | ( 524315.1, | 4259565.0, | 128.8, | 278.0, | 2.0); |
| ( 524304.0, | 4259604.1, | 130.8, | 278.0, | 2.0); | ( 524638.0, | 4260127.7, | 164.4, | 278.0, | 2.0); |
| ( 524645.9, | 4260114.2, | 165.3, | 278.0, | 2.0); | ( 524647.1, | 4260105.2, | 165.1, | 278.0, | 2.0); |
| ( 524662.5, | 4260077.5, | 165.8, | 278.0, | 2.0); | ( 524692.1, | 4260053.8, | 166.5, | 278.0, | 2.0); |
| ( 524752.6, | 4260050.7, | 162.3, | 278.0, | 2.0); | ( 524338.9, | 4260404.5, | 161.6, | 278.0, | 2.0); |
| ( 524441.4, | 4260403.9, | 174.2, | 278.0, | 2.0); | ( 524539.0, | 4260370.0, | 191.2, | 278.0, | 2.0); |
| ( 524566.4, | 4260357.0, | 189.4, | 278.0, | 2.0); | ( 524530.2, | 4260389.9, | 192.8, | 278.0, | 2.0); |
| ( 524498.3, | 4260239.2, | 159.6, | 278.0, | 2.0); | ( 524477.4, | 4260263.0, | 159.8, | 278.0, | 2.0); |
| ( 524494.8, | 4260256.0, | 160.1, | 278.0, | 2.0); | ( 524515.7, | 4260222.4, | 159.7, | 278.0, | 2.0); |
| ( 524519.7, | 4260238.6, | 160.8, | 278.0, | 2.0); | ( 524519.2, | 4260249.1, | 161.7, | 278.0, | 2.0); |
| ( 524529.0, | 4260210.8, | 158.7, | 278.0, | 2.0); | ( 524535.4, | 4260221.8, | 159.1, | 278.0, | 2.0); |
| ( 524534.2, | 4260237.5, | 160.8, | 278.0, | 2.0); | ( 524547.0, | 4260196.9, | 158.0, | 278.0, | 2.0); |
| ( 524547.0, | 4260211.4, | 158.7, | 278.0, | 2.0); | ( 524549.9, | 4260224.1, | 159.5, | 278.0, | 2.0); |
| ( 524560.3, | 4260187.0, | 157.2, | 278.0, | 2.0); | ( 524569.0, | 4260203.8, | 158.9, | 278.0, | 2.0); |
| ( 524580.0, | 4260180.7, | 156.7, | 278.0, | 2.0); | ( 524580.0, | 4260198.0, | 158.2, | 278.0, | 2.0); |
| ( 524588.1, | 4260163.3, | 156.3, | 278.0, | 2.0); | ( 524598.6, | 4260183.0, | 157.8, | 278.0, | 2.0); |
| ( 524596.2, | 4260169.6, | 157.3, | 278.0, | 2.0); | | | | | |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\724957\724957.SFC Met Version: 14134
Profile file: ..\724957\724957.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23213 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O LEN | Z0 | BOWEN | ALBEDO | REF WS | WD | HT | REF TA | HT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | 01 | 01 | 1 | 01 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 279.9 | 2.0 |
| 09 | 01 | 01 | 1 | 02 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 279.2 | 2.0 |
| 09 | 01 | 01 | 1 | 03 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 279.9 | 2.0 |
| 09 | 01 | 01 | 1 | 04 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 280.4 | 2.0 |
| 09 | 01 | 01 | 1 | 05 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 280.4 | 2.0 |
| 09 | 01 | 01 | 1 | 06 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 280.4 | 2.0 |
| 09 | 01 | 01 | 1 | 07 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 280.4 | 2.0 |
| 09 | 01 | 01 | 1 | 08 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 280.4 | 2.0 |
| 09 | 01 | 01 | 1 | 09 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 0.42 | 0.00 | 0. | 10.0 | 280.9 | 2.0 |
| 09 | 01 | 01 | 1 | 10 | 17.5 | -9.000 | -9.000 | -9.000 | 157. | -999. | -99999.0 | 0.03 | 0.74 | 0.29 | 0.00 | 0. | 10.0 | 282.0 | 2.0 |
| 09 | 01 | 01 | 1 | 11 | 32.5 | -9.000 | -9.000 | -9.000 | 263. | -999. | -99999.0 | 0.03 | 0.74 | 0.24 | 0.00 | 0. | 10.0 | 283.1 | 2.0 |
| 09 | 01 | 01 | 1 | 12 | 82.0 | -9.000 | -9.000 | -9.000 | 426. | -999. | -99999.0 | 0.03 | 0.74 | 0.22 | 0.00 | 0. | 10.0 | 284.9 | 2.0 |
| 09 | 01 | 01 | 1 | 13 | 87.8 | 0.208 | 1.039 | 0.016 | 462. | 228. | -9.3 | 0.03 | 0.74 | 0.22 | 2.36 | 999. | 10.0 | 285.9 | 2.0 |
| 09 | 01 | 01 | 1 | 14 | 74.7 | 0.288 | 1.001 | 0.015 | 485. | 371. | -28.9 | 0.05 | 0.74 | 0.23 | 3.36 | 159. | 10.0 | 285.4 | 2.0 |
| 09 | 01 | 01 | 1 | 15 | 49.4 | 0.351 | 0.880 | 0.015 | 499. | 499. | -79.2 | 0.05 | 0.74 | 0.26 | 4.36 | 162. | 10.0 | 283.8 | 2.0 |
| 09 | 01 | 01 | 1 | 16 | 12.7 | 0.265 | 0.561 | 0.015 | 502. | 331. | -132.2 | 0.05 | 0.74 | 0.34 | 3.36 | 164. | 10.0 | 282.5 | 2.0 |
| 09 | 01 | 01 | 1 | 17 | -7.2 | 0.089 | -9.000 | -9.000 | -999. | 102. | 8.8 | 0.05 | 0.74 | 0.57 | 2.36 | 171. | 10.0 | 281.4 | 2.0 |
| 09 | 01 | 01 | 1 | 18 | -8.3 | 0.089 | -9.000 | -9.000 | -999. | 64. | 7.7 | 0.05 | 0.74 | 1.00 | 2.36 | 177. | 10.0 | 279.9 | 2.0 |
| 09 | 01 | 01 | 1 | 19 | -4.3 | 0.066 | -9.000 | -9.000 | -999. | 41. | 6.1 | 0.05 | 0.74 | 1.00 | 1.76 | 164. | 10.0 | 278.8 | 2.0 |
| 09 | 01 | 01 | 1 | 20 | -10.5 | 0.183 | -9.000 | -9.000 | -999. | 188. | 52.9 | 0.05 | 0.74 | 1.00 | 2.86 | 127. | 10.0 | 278.8 | 2.0 |
| 09 | 01 | 01 | 1 | 21 | -7.6 | 0.133 | -9.000 | -9.000 | -999. | 117. | 27.9 | 0.05 | 0.74 | 1.00 | 2.36 | 120. | 10.0 | 278.8 | 2.0 |
| 09 | 01 | 01 | 1 | 22 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 278.8 | 2.0 |
| 09 | 01 | 01 | 1 | 23 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 279.2 | 2.0 |
| 09 | 01 | 01 | 1 | 24 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.03 | 0.74 | 1.00 | 0.00 | 0. | 10.0 | 279.2 | 2.0 |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | 01 | 01 | 01 | 10.0 | 1 | -999. | -99.00 | 279.9 | 99.0 | -99.00 | -99.00 |

F indicates top of profile (=1) or below (=0)

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S): PAREA1 ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 524134.22 | 524149.22 | 524164.22 | 524179.22 | 524194.22 | 524209.22 | 524224.22 | 524239.22 | 524254.22 |
| 4260350.30 | 0.87720 | 1.03577 | 1.23145 | 1.44828 | 1.68257 | 1.94417 | 2.24221 | 2.57914 | 2.95805 |
| 4260335.30 | 0.84466 | 1.00213 | 1.20024 | 1.42832 | 1.67364 | 1.95057 | 2.27019 | 2.63556 | 3.05462 |
| 4260320.30 | 0.80873 | 0.96475 | 1.16443 | 1.39759 | 1.65125 | 1.94208 | 2.28161 | 2.67560 | 3.13548 |
| 4260305.30 | 0.77393 | 0.93169 | 1.13973 | 1.35485 | 1.60817 | 1.90533 | 2.26150 | 2.68220 | 3.18586 |
| 4260290.30 | 0.73573 | 0.89797 | 1.08855 | 1.29367 | 1.53994 | 1.84078 | 2.20907 | 2.65222 | 3.20150 |
| 4260275.30 | 0.70639 | 0.86050 | 1.02545 | 1.21412 | 1.45385 | 1.76083 | 2.13949 | 2.60587 | 3.18860 |
| 4260260.30 | 0.67408 | 0.80097 | 0.94951 | 1.12084 | 1.35248 | 1.66274 | 2.04791 | 2.52877 | 3.13684 |
| 4260245.30 | 0.62194 | 0.73478 | 0.86958 | 1.03166 | 1.25467 | 1.55549 | 1.93407 | 2.41734 | 3.04572 |
| 4260230.30 | 0.56541 | 0.66468 | 0.78803 | 0.94253 | 1.15338 | 1.43703 | 1.79910 | 2.27011 | 2.90549 |
| 4260215.30 | 0.50696 | 0.59524 | 0.70733 | 0.85081 | 1.04578 | 1.30779 | 1.65196 | 2.10761 | 2.73953 |
| 4260200.30 | 0.45017 | 0.52905 | 0.62984 | 0.75995 | 0.93641 | 1.17623 | 1.49381 | 1.92860 | 2.53830 |
| 4260185.30 | 0.40530 | 0.47478 | 0.56596 | 0.68540 | 0.84389 | 1.05598 | 1.34529 | 1.75060 | 2.32158 |
| 4260170.30 | 0.36692 | 0.42859 | 0.51067 | 0.61926 | 0.75885 | 0.94274 | 1.20257 | 1.56904 | 2.08643 |
| 4260155.30 | 0.33839 | 0.39363 | 0.46649 | 0.56190 | 0.68411 | 0.84649 | 1.07098 | 1.38626 | 1.83195 |
| 4260140.30 | 0.31406 | 0.36374 | 0.42771 | 0.50983 | 0.61661 | 0.75814 | 0.94790 | 1.21063 | 1.58271 |
| 4260125.30 | 0.29185 | 0.33572 | 0.39100 | 0.46144 | 0.55233 | 0.67098 | 0.82823 | 1.04426 | 1.34996 |
| 4260110.30 | 0.27129 | 0.30966 | 0.35784 | 0.41800 | 0.49461 | 0.59345 | 0.72351 | 0.90031 | 1.14882 |
| 4260095.30 | 0.25205 | 0.28615 | 0.32770 | 0.37935 | 0.44405 | 0.52689 | 0.63499 | 0.78033 | 0.98282 |
| 4260080.30 | 0.23428 | 0.26466 | 0.30120 | 0.34591 | 0.40157 | 0.47231 | 0.56376 | 0.68592 | 0.85432 |
| 4260065.30 | 0.21757 | 0.24485 | 0.27751 | 0.31730 | 0.36632 | 0.42800 | 0.50755 | 0.61335 | 0.75734 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S): PAREA1 ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 524269.22 |
|---|---|
| 4260350.30 | 3.37698 |
| 4260335.30 | 3.52627 |
| 4260320.30 | 3.65724 |
| 4260305.30 | 3.77418 |
| 4260290.30 | 3.85874 |
| 4260275.30 | 3.90406 |
| 4260260.30 | 3.89985 |
| 4260245.30 | 3.86134 |
| 4260230.30 | 3.76042 |
| 4260215.30 | 3.62148 |
| 4260200.30 | 3.41685 |
| 4260185.30 | 3.15415 |
| 4260170.30 | 2.84450 |
| 4260155.30 | 2.48712 |
| 4260140.30 | 2.13206 |
| 4260125.30 | 1.79972 |
| 4260110.30 | 1.51209 |
| 4260095.30 | 1.27749 |
| 4260080.30 | 1.09449 |
| 4260065.30 | 0.95864 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 524204.65 | 4260012.52 | 0.31841 | 524203.43 | 4260005.01 | 0.30836 |
| 524204.65 | 4259997.73 | 0.30730 | 524204.40 | 4259988.28 | 0.30147 |
| 524189.13 | 4260004.28 | 0.26697 | 524189.37 | 4259993.85 | 0.26126 |
| 524190.83 | 4259982.70 | 0.26049 | 524246.78 | 4259946.49 | 0.47596 |
| 524255.34 | 4259929.66 | 0.51151 | 524250.49 | 4259937.65 | 0.49065 |
| 524232.52 | 4259935.94 | 0.40012 | 524220.54 | 4259937.94 | 0.35094 |
| 524212.55 | 4259949.92 | 0.32376 | 524206.28 | 4259957.62 | 0.30335 |
| 524199.43 | 4259957.05 | 0.28170 | 524188.31 | 4259954.48 | 0.25028 |
| 524196.86 | 4259946.49 | 0.27341 | 524203.71 | 4259947.63 | 0.29404 |
| 524199.43 | 4259934.80 | 0.28033 | 524206.56 | 4259925.10 | 0.30091 |
| 524213.12 | 4259917.68 | 0.32103 | 524241.93 | 4259920.25 | 0.43619 |
| 524215.97 | 4259907.70 | 0.32888 | 524221.11 | 4259892.30 | 0.34142 |
| 524238.79 | 4259898.86 | 0.40795 | 524238.79 | 4259907.98 | 0.41397 |
| 524237.37 | 4259884.59 | 0.39264 | 524214.83 | 4259881.17 | 0.31909 |
| 524203.14 | 4259873.47 | 0.28624 | 524198.29 | 4259867.19 | 0.27347 |
| 524232.80 | 4259867.19 | 0.36531 | 524233.09 | 4259857.50 | 0.35986 |
| 524235.66 | 4259852.36 | 0.36372 | 524239.65 | 4259845.51 | 0.36981 |
| 524243.93 | 4259834.68 | 0.37212 | 524250.49 | 4259823.84 | 0.37816 |
| 524243.64 | 4259822.12 | 0.35904 | 524232.80 | 4259816.13 | 0.32654 |
| 524225.10 | 4259826.40 | 0.31712 | 524218.26 | 4259836.67 | 0.30884 |
| 524210.55 | 4259846.94 | 0.29539 | 524202.00 | 4259857.50 | 0.27883 |
| 524265.77 | 4259728.17 | 0.28432 | 524273.47 | 4259713.63 | 0.28025 |
| 524276.89 | 4259698.51 | 0.27200 | 524260.92 | 4259693.94 | 0.24685 |
| 524251.79 | 4259711.06 | 0.24846 | 524250.65 | 4259723.04 | 0.25722 |
| 524265.20 | 4259620.63 | 0.20204 | 524284.88 | 4259588.39 | 0.19856 |
| 524305.71 | 4259554.73 | 0.19401 | 524315.12 | 4259565.00 | 0.21004 |
| 524303.99 | 4259604.08 | 0.22817 | 524638.04 | 4260127.68 | 2.83432 |
| 524645.94 | 4260114.25 | 2.45624 | 524647.12 | 4260105.17 | 2.35648 |
| 524662.52 | 4260077.53 | 1.77325 | 524692.14 | 4260053.84 | 1.21786 |
| 524752.55 | 4260050.68 | 0.80613 | 524338.94 | 4260404.55 | 3.80975 |
| 524441.43 | 4260403.88 | 4.15918 | 524538.99 | 4260369.97 | 2.65092 |
| 524566.40 | 4260356.96 | 2.37859 | 524530.17 | 4260389.94 | 2.53701 |
| 524498.28 | 4260239.21 | 14.14181 | 524477.41 | 4260262.98 | 13.77617 |
| 524494.80 | 4260256.02 | 12.46909 | 524515.67 | 4260222.40 | 13.04118 |
| 524519.73 | 4260238.63 | 10.67239 | 524519.15 | 4260249.06 | 9.76543 |
| 524529.00 | 4260210.80 | 12.02879 | 524535.38 | 4260221.82 | 10.21628 |
| 524534.22 | 4260237.47 | 9.04324 | 524546.97 | 4260196.89 | 10.14770 |
| 524546.97 | 4260211.38 | 9.35687 | 524549.87 | 4260224.14 | 8.30297 |
| 524560.30 | 4260187.04 | 8.84755 | 524569.00 | 4260203.85 | 7.21438 |
| 524580.01 | 4260180.66 | 6.91629 | 524580.01 | 4260198.05 | 6.47651 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 524588.13 | 4260163.27 | 6.38813 | 524598.57 | 4260182.98 | 5.35106 |
| 524596.25 | 4260169.64 | 5.61282 | | | |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 524134.22 | 524149.22 | 524164.22 | 524179.22 | 524194.22 | 524209.22 | 524224.22 | 524239.22 | 524254.22 |
| 4260350.30 | 0.00006 | 0.00006 | 0.00007 | 0.00007 | 0.00007 | 0.00007 | 0.00007 | 0.00007 | 0.00007 |
| 4260335.30 | 0.00006 | 0.00007 | 0.00007 | 0.00008 | 0.00008 | 0.00008 | 0.00008 | 0.00008 | 0.00008 |
| 4260320.30 | 0.00007 | 0.00007 | 0.00008 | 0.00008 | 0.00008 | 0.00009 | 0.00009 | 0.00009 | 0.00008 |
| 4260305.30 | 0.00007 | 0.00008 | 0.00008 | 0.00009 | 0.00009 | 0.00009 | 0.00009 | 0.00009 | 0.00009 |
| 4260290.30 | 0.00008 | 0.00009 | 0.00009 | 0.00010 | 0.00010 | 0.00010 | 0.00010 | 0.00010 | 0.00010 |
| 4260275.30 | 0.00009 | 0.00010 | 0.00010 | 0.00011 | 0.00011 | 0.00011 | 0.00011 | 0.00011 | 0.00011 |
| 4260260.30 | 0.00010 | 0.00011 | 0.00011 | 0.00012 | 0.00012 | 0.00012 | 0.00012 | 0.00012 | 0.00012 |
| 4260245.30 | 0.00011 | 0.00012 | 0.00013 | 0.00013 | 0.00014 | 0.00014 | 0.00014 | 0.00013 | 0.00013 |
| 4260230.30 | 0.00012 | 0.00013 | 0.00014 | 0.00015 | 0.00015 | 0.00015 | 0.00015 | 0.00015 | 0.00015 |
| 4260215.30 | 0.00014 | 0.00015 | 0.00016 | 0.00016 | 0.00017 | 0.00017 | 0.00017 | 0.00017 | 0.00017 |
| 4260200.30 | 0.00015 | 0.00016 | 0.00017 | 0.00018 | 0.00019 | 0.00019 | 0.00019 | 0.00019 | 0.00019 |
| 4260185.30 | 0.00016 | 0.00018 | 0.00019 | 0.00020 | 0.00021 | 0.00021 | 0.00022 | 0.00022 | 0.00021 |
| 4260170.30 | 0.00018 | 0.00020 | 0.00022 | 0.00023 | 0.00024 | 0.00025 | 0.00025 | 0.00025 | 0.00025 |
| 4260155.30 | 0.00021 | 0.00023 | 0.00026 | 0.00027 | 0.00028 | 0.00029 | 0.00029 | 0.00029 | 0.00029 |
| 4260140.30 | 0.00024 | 0.00028 | 0.00031 | 0.00033 | 0.00034 | 0.00034 | 0.00034 | 0.00034 | 0.00034 |
| 4260125.30 | 0.00029 | 0.00034 | 0.00038 | 0.00040 | 0.00040 | 0.00040 | 0.00040 | 0.00040 | 0.00040 |
| 4260110.30 | 0.00035 | 0.00042 | 0.00047 | 0.00049 | 0.00049 | 0.00048 | 0.00048 | 0.00048 | 0.00048 |
| 4260095.30 | 0.00044 | 0.00054 | 0.00059 | 0.00060 | 0.00060 | 0.00059 | 0.00059 | 0.00060 | 0.00060 |
| 4260080.30 | 0.00053 | 0.00067 | 0.00074 | 0.00075 | 0.00075 | 0.00075 | 0.00076 | 0.00078 | 0.00080 |
| 4260065.30 | 0.00066 | 0.00092 | 0.00099 | 0.00099 | 0.00101 | 0.00104 | 0.00108 | 0.00113 | 0.00119 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 524269.22 |
|---|---|
| 4260350.30 | 0.00007 |
| 4260335.30 | 0.00008 |
| 4260320.30 | 0.00008 |
| 4260305.30 | 0.00009 |
| 4260290.30 | 0.00010 |
| 4260275.30 | 0.00011 |
| 4260260.30 | 0.00012 |
| 4260245.30 | 0.00013 |
| 4260230.30 | 0.00014 |
| 4260215.30 | 0.00016 |
| 4260200.30 | 0.00018 |
| 4260185.30 | 0.00021 |
| 4260170.30 | 0.00024 |
| 4260155.30 | 0.00028 |
| 4260140.30 | 0.00033 |
| 4260125.30 | 0.00040 |
| 4260110.30 | 0.00048 |
| 4260095.30 | 0.00061 |
| 4260080.30 | 0.00084 |
| 4260065.30 | 0.00126 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 524204.65 | 4260012.52 | 0.00055 | 524203.43 | 4260005.01 | 0.00052 |
| 524204.65 | 4259997.73 | 0.00048 | 524204.40 | 4259988.28 | 0.00045 |
| 524189.13 | 4260004.28 | 0.00060 | 524189.37 | 4259993.85 | 0.00056 |
| 524190.83 | 4259982.70 | 0.00053 | 524246.78 | 4259946.49 | 0.00026 |
| 524255.34 | 4259929.66 | 0.00024 | 524250.49 | 4259937.65 | 0.00025 |
| 524232.52 | 4259935.94 | 0.00029 | 524220.54 | 4259937.94 | 0.00033 |
| 524212.55 | 4259949.92 | 0.00036 | 524206.28 | 4259957.62 | 0.00040 |
| 524199.43 | 4259957.05 | 0.00044 | 524188.31 | 4259954.48 | 0.00054 |
| 524196.86 | 4259946.49 | 0.00046 | 524203.71 | 4259947.63 | 0.00041 |
| 524199.43 | 4259934.80 | 0.00044 | 524206.56 | 4259925.10 | 0.00040 |
| 524213.12 | 4259917.68 | 0.00036 | 524241.93 | 4259920.25 | 0.00026 |
| 524215.97 | 4259907.70 | 0.00035 | 524221.11 | 4259892.30 | 0.00033 |
| 524238.79 | 4259898.86 | 0.00027 | 524238.79 | 4259907.98 | 0.00027 |
| 524237.37 | 4259884.59 | 0.00028 | 524214.83 | 4259881.17 | 0.00037 |
| 524203.14 | 4259873.47 | 0.00045 | 524198.29 | 4259867.19 | 0.00050 |
| 524232.80 | 4259867.19 | 0.00031 | 524233.09 | 4259857.50 | 0.00031 |
| 524235.66 | 4259852.36 | 0.00031 | 524239.65 | 4259845.51 | 0.00030 |
| 524243.93 | 4259834.68 | 0.00030 | 524250.49 | 4259823.84 | 0.00029 |
| 524243.64 | 4259822.12 | 0.00031 | 524232.80 | 4259816.13 | 0.00036 |
| 524225.10 | 4259826.40 | 0.00038 | 524218.26 | 4259836.67 | 0.00040 |
| 524210.55 | 4259846.94 | 0.00043 | 524202.00 | 4259857.50 | 0.00049 |
| 524265.77 | 4259728.17 | 0.00050 | 524273.47 | 4259713.63 | 0.00050 |
| 524276.89 | 4259698.51 | 0.00050 | 524260.92 | 4259693.94 | 0.00078 |
| 524251.79 | 4259711.06 | 0.00086 | 524250.65 | 4259723.04 | 0.00076 |
| 524265.20 | 4259620.63 | 0.00110 | 524284.88 | 4259588.39 | 0.00095 |
| 524305.71 | 4259554.73 | 0.00102 | 524315.12 | 4259565.00 | 0.00069 |
| 524303.99 | 4259604.08 | 0.00054 | 524638.04 | 4260127.68 | 0.00002 |
| 524645.94 | 4260114.25 | 0.00002 | 524647.12 | 4260105.17 | 0.00002 |
| 524662.52 | 4260077.53 | 0.00002 | 524692.14 | 4260053.84 | 0.00002 |
| 524752.55 | 4260050.68 | 0.00001 | 524338.94 | 4260404.55 | 0.00004 |
| 524441.43 | 4260403.88 | 0.00003 | 524538.99 | 4260369.97 | 0.00002 |
| 524566.40 | 4260356.96 | 0.00002 | 524530.17 | 4260389.94 | 0.00002 |
| 524498.28 | 4260239.21 | 0.00004 | 524477.41 | 4260262.98 | 0.00004 |
| 524494.80 | 4260256.02 | 0.00004 | 524515.67 | 4260222.40 | 0.00004 |
| 524519.73 | 4260238.63 | 0.00004 | 524519.15 | 4260249.06 | 0.00003 |
| 524529.00 | 4260210.80 | 0.00004 | 524535.38 | 4260221.82 | 0.00003 |
| 524534.22 | 4260237.47 | 0.00003 | 524546.97 | 4260196.89 | 0.00003 |
| 524546.97 | 4260211.38 | 0.00003 | 524549.87 | 4260224.14 | 0.00003 |
| 524560.30 | 4260187.04 | 0.00003 | 524569.00 | 4260203.85 | 0.00003 |
| 524580.01 | 4260180.66 | 0.00003 | 524580.01 | 4260198.05 | 0.00003 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LINE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 524588.13 | 4260163.27 | 0.00003 | 524598.57 | 4260182.98 | 0.00003 |
| 524596.25 | 4260169.64 | 0.00003 | | | |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 524134.22 | 524149.22 | 524164.22 | 524179.22 | 524194.22 | 524209.22 | 524224.22 | 524239.22 | 524254.22 |
| 4260350.30 | 0.87726 | 1.03583 | 1.23152 | 1.44835 | 1.68264 | 1.94425 | 2.24229 | 2.57922 | 2.95813 |
| 4260335.30 | 0.84472 | 1.00220 | 1.20031 | 1.42840 | 1.67372 | 1.95065 | 2.27027 | 2.63564 | 3.05470 |
| 4260320.30 | 0.80880 | 0.96483 | 1.16451 | 1.39767 | 1.65134 | 1.94217 | 2.28170 | 2.67569 | 3.13557 |
| 4260305.30 | 0.77401 | 0.93177 | 1.13982 | 1.35494 | 1.60826 | 1.90542 | 2.26159 | 2.68230 | 3.18595 |
| 4260290.30 | 0.73582 | 0.89806 | 1.08864 | 1.29377 | 1.54004 | 1.84088 | 2.20917 | 2.65232 | 3.20160 |
| 4260275.30 | 0.70648 | 0.86060 | 1.02555 | 1.21423 | 1.45396 | 1.76094 | 2.13960 | 2.60598 | 3.18871 |
| 4260260.30 | 0.67418 | 0.80108 | 0.94963 | 1.12096 | 1.35260 | 1.66287 | 2.04803 | 2.52889 | 3.13696 |
| 4260245.30 | 0.62205 | 0.73490 | 0.86971 | 1.03179 | 1.25481 | 1.55563 | 1.93421 | 2.41747 | 3.04585 |
| 4260230.30 | 0.56553 | 0.66481 | 0.78817 | 0.94267 | 1.15353 | 1.43718 | 1.79925 | 2.27026 | 2.90563 |
| 4260215.30 | 0.50710 | 0.59539 | 0.70749 | 0.85097 | 1.04594 | 1.30796 | 1.65213 | 2.10778 | 2.73970 |
| 4260200.30 | 0.45031 | 0.52921 | 0.63001 | 0.76013 | 0.93659 | 1.17642 | 1.49400 | 1.92879 | 2.53849 |
| 4260185.30 | 0.40546 | 0.47495 | 0.56616 | 0.68560 | 0.84410 | 1.05619 | 1.34550 | 1.75082 | 2.32180 |
| 4260170.30 | 0.36710 | 0.42879 | 0.51089 | 0.61950 | 0.75909 | 0.94299 | 1.20282 | 1.56929 | 2.08667 |
| 4260155.30 | 0.33860 | 0.39386 | 0.46674 | 0.56217 | 0.68439 | 0.84677 | 1.07127 | 1.38655 | 1.83224 |
| 4260140.30 | 0.31430 | 0.36401 | 0.42802 | 0.51016 | 0.61694 | 0.75848 | 0.94824 | 1.21097 | 1.58305 |
| 4260125.30 | 0.29214 | 0.33605 | 0.39137 | 0.46183 | 0.55273 | 0.67138 | 0.82863 | 1.04465 | 1.35036 |
| 4260110.30 | 0.27165 | 0.31008 | 0.35831 | 0.41849 | 0.49510 | 0.59393 | 0.72399 | 0.90079 | 1.14929 |
| 4260095.30 | 0.25248 | 0.28669 | 0.32829 | 0.37995 | 0.44465 | 0.52748 | 0.63558 | 0.78093 | 0.98343 |
| 4260080.30 | 0.23481 | 0.26533 | 0.30194 | 0.34666 | 0.40232 | 0.47306 | 0.56452 | 0.68670 | 0.85512 |
| 4260065.30 | 0.21824 | 0.24577 | 0.27850 | 0.31829 | 0.36733 | 0.42905 | 0.50864 | 0.61447 | 0.75853 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

| Y-COORD (METERS) | X-COORD (METERS) 524269.22 |
|---|---|
| 4260350.30 | 3.37705 |
| 4260335.30 | 3.52634 |
| 4260320.30 | 3.65732 |
| 4260305.30 | 3.77427 |
| 4260290.30 | 3.85883 |
| 4260275.30 | 3.90417 |
| 4260260.30 | 3.89997 |
| 4260245.30 | 3.86147 |
| 4260230.30 | 3.76056 |
| 4260215.30 | 3.62165 |
| 4260200.30 | 3.41704 |
| 4260185.30 | 3.15436 |
| 4260170.30 | 2.84475 |
| 4260155.30 | 2.48740 |
| 4260140.30 | 2.13239 |
| 4260125.30 | 1.80012 |
| 4260110.30 | 1.51257 |
| 4260095.30 | 1.27810 |
| 4260080.30 | 1.09532 |
| 4260065.30 | 0.95990 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 524204.65 | 4260012.52 | 0.31897 | 524203.43 | 4260005.01 | 0.30887 |
| 524204.65 | 4259997.73 | 0.30778 | 524204.40 | 4259988.28 | 0.30193 |
| 524189.13 | 4260004.28 | 0.26757 | 524189.37 | 4259993.85 | 0.26182 |
| 524190.83 | 4259982.70 | 0.26102 | 524246.78 | 4259946.49 | 0.47622 |
| 524255.34 | 4259929.66 | 0.51174 | 524250.49 | 4259937.65 | 0.49090 |
| 524232.52 | 4259935.94 | 0.40041 | 524220.54 | 4259937.94 | 0.35127 |
| 524212.55 | 4259949.92 | 0.32413 | 524206.28 | 4259957.62 | 0.30375 |
| 524199.43 | 4259957.05 | 0.28214 | 524188.31 | 4259954.48 | 0.25082 |
| 524196.86 | 4259946.49 | 0.27387 | 524203.71 | 4259947.63 | 0.29445 |
| 524199.43 | 4259934.80 | 0.28077 | 524206.56 | 4259925.10 | 0.30131 |
| 524213.12 | 4259917.68 | 0.32139 | 524241.93 | 4259920.25 | 0.43645 |
| 524215.97 | 4259907.70 | 0.32922 | 524221.11 | 4259892.30 | 0.34176 |
| 524238.79 | 4259898.86 | 0.40822 | 524238.79 | 4259907.98 | 0.41424 |
| 524237.37 | 4259884.59 | 0.39292 | 524214.83 | 4259881.17 | 0.31946 |
| 524203.14 | 4259873.47 | 0.28669 | 524198.29 | 4259867.19 | 0.27396 |
| 524232.80 | 4259867.19 | 0.36562 | 524233.09 | 4259857.50 | 0.36017 |
| 524235.66 | 4259852.36 | 0.36403 | 524239.65 | 4259845.51 | 0.37011 |
| 524243.93 | 4259834.68 | 0.37242 | 524250.49 | 4259823.84 | 0.37845 |
| 524243.64 | 4259822.12 | 0.35935 | 524232.80 | 4259816.13 | 0.32690 |
| 524225.10 | 4259826.40 | 0.31750 | 524218.26 | 4259836.67 | 0.30923 |
| 524210.55 | 4259846.94 | 0.29582 | 524202.00 | 4259857.50 | 0.27932 |
| 524265.77 | 4259728.17 | 0.28482 | 524273.47 | 4259713.63 | 0.28075 |
| 524276.89 | 4259698.51 | 0.27251 | 524260.92 | 4259693.94 | 0.24763 |
| 524251.79 | 4259711.06 | 0.24932 | 524250.65 | 4259723.04 | 0.25797 |
| 524265.20 | 4259620.63 | 0.20314 | 524284.88 | 4259588.39 | 0.19952 |
| 524305.71 | 4259554.73 | 0.19503 | 524315.12 | 4259565.00 | 0.21073 |
| 524303.99 | 4259604.08 | 0.22871 | 524638.04 | 4260127.68 | 2.83435 |
| 524645.94 | 4260114.25 | 2.45626 | 524647.12 | 4260105.17 | 2.35650 |
| 524662.52 | 4260077.53 | 1.77327 | 524692.14 | 4260053.84 | 1.21787 |
| 524752.55 | 4260050.68 | 0.80614 | 524338.94 | 4260404.55 | 3.80979 |
| 524441.43 | 4260403.88 | 4.15921 | 524538.99 | 4260369.97 | 2.65094 |
| 524566.40 | 4260356.96 | 2.37861 | 524530.17 | 4260389.94 | 2.53703 |
| 524498.28 | 4260239.21 | 14.14185 | 524477.41 | 4260262.98 | 13.77621 |
| 524494.80 | 4260256.02 | 12.46913 | 524515.67 | 4260222.40 | 13.04122 |
| 524519.73 | 4260238.63 | 10.67243 | 524519.15 | 4260249.06 | 9.76546 |
| 524529.00 | 4260210.80 | 12.02883 | 524535.38 | 4260221.82 | 10.21632 |
| 524534.22 | 4260237.47 | 9.04328 | 524546.97 | 4260196.89 | 10.14773 |
| 524546.97 | 4260211.38 | 9.35691 | 524549.87 | 4260224.14 | 8.30301 |
| 524560.30 | 4260187.04 | 8.84758 | 524569.00 | 4260203.85 | 7.21441 |
| 524580.01 | 4260180.66 | 6.91632 | 524580.01 | 4260198.05 | 6.47654 |

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 , L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|---|---|---|---|---|---|
| 524588.13 | 4260163.27 | 6.38816 | 524598.57 | 4260182.98 | 5.35109 |
| 524596.25 | 4260169.64 | 5.61285 | | | |


**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

| GROUP ID | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE | GRID-ID |
|---|---|---|---|
| | | NETWORK | |
| AREA | 1ST HIGHEST VALUE IS | 14.14181 AT ( 524498.28, 4260239.21, 159.60, 278.00, 2.00) DC | |
| | 2ND HIGHEST VALUE IS | 13.77617 AT ( 524477.41, 4260262.98, 159.77, 278.00, 2.00) DC | |
| | 3RD HIGHEST VALUE IS | 13.04118 AT ( 524515.67, 4260222.40, 159.66, 278.00, 2.00) DC | |
| | 4TH HIGHEST VALUE IS | 12.46909 AT ( 524494.80, 4260256.02, 160.09, 278.00, 2.00) DC | |
| | 5TH HIGHEST VALUE IS | 12.02879 AT ( 524529.00, 4260210.80, 158.71, 278.00, 2.00) DC | |
| | 6TH HIGHEST VALUE IS | 10.67239 AT ( 524519.73, 4260238.63, 160.84, 278.00, 2.00) DC | |
| | 7TH HIGHEST VALUE IS | 10.21628 AT ( 524535.38, 4260221.82, 159.07, 278.00, 2.00) DC | |
| | 8TH HIGHEST VALUE IS | 10.14770 AT ( 524546.97, 4260196.89, 158.01, 278.00, 2.00) DC | |
| | 9TH HIGHEST VALUE IS | 9.76543 AT ( 524519.15, 4260249.06, 161.73, 278.00, 2.00) DC | |
| | 10TH HIGHEST VALUE IS | 9.35687 AT ( 524546.97, 4260211.38, 158.66, 278.00, 2.00) DC | |
| LINE | 1ST HIGHEST VALUE IS | 0.00126 AT ( 524269.22, 4260065.30, 152.20, 278.00, 2.00) GC UCART1 | |
| | 2ND HIGHEST VALUE IS | 0.00119 AT ( 524254.22, 4260065.30, 152.20, 278.00, 2.00) GC UCART1 | |
| | 3RD HIGHEST VALUE IS | 0.00113 AT ( 524239.22, 4260065.30, 152.20, 278.00, 2.00) GC UCART1 | |
| | 4TH HIGHEST VALUE IS | 0.00110 AT ( 524265.20, 4259620.63, 128.38, 278.00, 2.00) DC | |
| | 5TH HIGHEST VALUE IS | 0.00108 AT ( 524224.22, 4260065.30, 152.20, 278.00, 2.00) GC UCART1 | |
| | 6TH HIGHEST VALUE IS | 0.00104 AT ( 524209.22, 4260065.30, 152.40, 278.00, 2.00) GC UCART1 | |
| | 7TH HIGHEST VALUE IS | 0.00102 AT ( 524305.71, 4259554.73, 127.42, 278.00, 2.00) DC | |
| | 8TH HIGHEST VALUE IS | 0.00101 AT ( 524194.22, 4260065.30, 152.70, 278.00, 2.00) GC UCART1 | |
| | 9TH HIGHEST VALUE IS | 0.00099 AT ( 524179.22, 4260065.30, 153.00, 278.00, 2.00) GC UCART1 | |
| | 10TH HIGHEST VALUE IS | 0.00099 AT ( 524164.22, 4260065.30, 153.00, 278.00, 2.00) GC UCART1 | |
| ALL | 1ST HIGHEST VALUE IS | 14.14185 AT ( 524498.28, 4260239.21, 159.60, 278.00, 2.00) DC | |
| | 2ND HIGHEST VALUE IS | 13.77621 AT ( 524477.41, 4260262.98, 159.77, 278.00, 2.00) DC | |

3RD HIGHEST VALUE IS 13.04122 AT ( 524515.67, 4260222.40, 159.66, 278.00, 2.00) DC
4TH HIGHEST VALUE IS 12.46913 AT ( 524494.80, 4260256.02, 160.09, 278.00, 2.00) DC
5TH HIGHEST VALUE IS 12.02883 AT ( 524529.00, 4260210.80, 158.71, 278.00, 2.00) DC
6TH HIGHEST VALUE IS 10.67243 AT ( 524519.73, 4260238.63, 160.84, 278.00, 2.00) DC
7TH HIGHEST VALUE IS 10.21632 AT ( 524535.38, 4260221.82, 159.07, 278.00, 2.00) DC
8TH HIGHEST VALUE IS 10.14773 AT ( 524546.97, 4260196.89, 158.01, 278.00, 2.00) DC
9TH HIGHEST VALUE IS 9.76546 AT ( 524519.15, 4260249.06, 161.73, 278.00, 2.00) DC
10TH HIGHEST VALUE IS 9.35691 AT ( 524546.97, 4260211.38, 158.66, 278.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 15181 *** *** C:\Users\xli\Desktop\3316.0022 Oakmont Emerald Isle\Construction AER *** 06/03/17
*** AERMET - VERSION 14134 *** *** *** 17:37:31

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 18866 Informational Message(s)

A Total of 43872 Hours Were Processed

A Total of 16971 Calm Hours Identified

A Total of 1895 Missing Hours Identified ( 4.32 Percent)

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

******** WARNING MESSAGES ********
MX W481 43873 MAIN: Data Remaining After End of Year. Number of Hours= 48

**********
*** AERMOD Finishes Successfully ***
**********

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