

**Appendix A:
Air Quality, GHG, and Energy Supporting Information**

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A.1 - Air Quality, GHG, Energy, and HRA Data Sheets

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Appendix A
Air Quality, Greenhouse Gas, and
Health Risk Assessment Data Sheets

Appendix A

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	250.00	Space	2.25	100,000.00	0
Retirement Community	82.00	Dwelling Unit	16.40	110,000.00	123

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land Use from Project Description

Construction Phase - Default schedule modified to reflect a start of April 2020 and an ending of July 2021 as per the MND Section 1.6.4

Grading - Material import/export taken from Section XXXXXXXX

Vehicle Trips - Trip rates taken from Section 17 of the MND

Woodstoves - No fireplaces in residences

Solid Waste - Solid waste generation rate derived from Section 18

Construction Off-road Equipment Mitigation - BMP for fugitive dust control

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	74,250.00	69,244.00
tblArchitecturalCoating	ConstArea_Residential_Interior	222,750.00	207,733.00
tblAreaCoating	Area_Residential_Exterior	74250	69244
tblAreaCoating	Area_Residential_Interior	222750	207733
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
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	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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

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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
tblLandUse	LandUseSquareFeet	82,000.00	110,000.00
tblLandUse	Population	235.00	123.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,102.00
tblVehicleTrips	ST_TR	2.03	3.70
tblVehicleTrips	SU_TR	1.95	3.70
tblVehicleTrips	WD_TR	2.40	3.70

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3017	3.1708	2.2619	5.6300e-003	0.3252	0.1343	0.4595	0.1320	0.1254	0.2574	0.0000	508.0895	508.0895	0.0864	0.0000	510.2485
2021	0.9255	1.5936	1.5663	3.2200e-003	0.0716	0.0771	0.1486	0.0193	0.0724	0.0917	0.0000	285.1320	285.1320	0.0500	0.0000	286.3825
Maximum	0.9255	3.1708	2.2619	5.6300e-003	0.3252	0.1343	0.4595	0.1320	0.1254	0.2574	0.0000	508.0895	508.0895	0.0864	0.0000	510.2485

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					
2020	0.0876	0.9346	2.3223	5.6300e-003	0.1908	8.0400e-003	0.1988	0.0688	7.9000e-003	0.0767	0.0000	508.0892	508.0892	0.0864	0.0000	510.2481
2021	0.8014	0.3760	1.6561	3.2200e-003	0.0716	4.1300e-003	0.0757	0.0193	4.0800e-003	0.0234	0.0000	285.1318	285.1318	0.0500	0.0000	286.3823
Maximum	0.8014	0.9346	2.3223	5.6300e-003	0.1908	8.0400e-003	0.1988	0.0688	7.9000e-003	0.0767	0.0000	508.0892	508.0892	0.0864	0.0000	510.2481

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	27.56	72.49	-3.93	0.00	33.89	94.24	54.86	41.76	93.94	71.32	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2020	6-30-2020	1.8216	0.6085
2	7-1-2020	9-30-2020	0.8153	0.1994
3	10-1-2020	12-31-2020	0.8188	0.2030
4	1-1-2021	3-31-2021	0.7264	0.1874
5	4-1-2021	6-30-2021	0.7315	0.1865
6	7-1-2021	9-30-2021	1.0677	0.8052
		Highest	1.8216	0.8052

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	0.7182	0.0114	0.8723	5.5000e-004		0.0406	0.0406		0.0406	0.0406	3.7384	2.5346	6.2729	6.9800e-003	2.5000e-004	6.5205
Energy	4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	163.0999	163.0999	6.2100e-003	1.9300e-003	163.8293
Mobile	0.0753	0.3705	0.8449	3.0200e-003	0.2608	2.7400e-003	0.2635	0.0700	2.5600e-003	0.0726	0.0000	276.9771	276.9771	0.0102	0.0000	277.2328
Waste						0.0000	0.0000		0.0000	0.0000	7.6568	0.0000	7.6568	0.4525	0.0000	18.9695
Water						0.0000	0.0000		0.0000	0.0000	1.6950	11.8394	13.5344	0.1746	4.2200e-003	19.1580
Total	0.7980	0.4204	1.7337	3.8200e-003	0.2608	0.0465	0.3073	0.0700	0.0463	0.1163	13.0902	454.4510	467.5412	0.6506	6.4000e-003	485.7099

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7182	0.0114	0.8723	5.5000e-004		0.0406	0.0406		0.0406	0.0406	3.7384	2.5346	6.2729	6.9800e-003	2.5000e-004	6.5205
Energy	4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	163.0999	163.0999	6.2100e-003	1.9300e-003	163.8293
Mobile	0.0753	0.3705	0.8449	3.0200e-003	0.2608	2.7400e-003	0.2635	0.0700	2.5600e-003	0.0726	0.0000	276.9771	276.9771	0.0102	0.0000	277.2328
Waste						0.0000	0.0000		0.0000	0.0000	7.6568	0.0000	7.6568	0.4525	0.0000	18.9695
Water						0.0000	0.0000		0.0000	0.0000	1.6950	11.8394	13.5344	0.1746	4.2200e-003	19.1580
Total	0.7980	0.4204	1.7337	3.8200e-003	0.2608	0.0465	0.3073	0.0700	0.0463	0.1163	13.0902	454.4510	467.5412	0.6506	6.4000e-003	485.7099

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	4/14/2020	5	10	
2	Grading	Grading	4/15/2020	5/26/2020	5	30	
3	Building Construction	Building Construction	5/27/2020	7/20/2021	5	300	
4	Paving	Paving	7/21/2021	8/17/2021	5	20	
5	Architectural Coating	Architectural Coating	8/18/2021	9/14/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 2.25

Residential Indoor: 207,733; Residential Outdoor: 69,244; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 6,000 (Architectural Coating – sqft)

OffRoad Equipment

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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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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	8	20.00	0.00	3,102.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	25.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.2 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.2100e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6231	0.6231	2.0000e-005	0.0000	0.6234
Total	3.0000e-004	2.1000e-004	2.2100e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6231	0.6231	2.0000e-005	0.0000	0.6234

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	2.3300e-003	0.0101	0.1043	1.9000e-004	0.0352	3.1000e-004	0.0355	0.0194	3.1000e-004	0.0197	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.2 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.2100e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6231	0.6231	2.0000e-005	0.0000	0.6234
Total	3.0000e-004	2.1000e-004	2.2100e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6231	0.6231	2.0000e-005	0.0000	0.6234

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
Total	0.0668	0.7530	0.4794	9.3000e-004	0.1301	0.0326	0.1627	0.0540	0.0300	0.0840	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872

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3.3 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0129	0.4535	0.0911	1.2300e-003	0.0262	1.4600e-003	0.0277	7.2000e-003	1.4000e-003	8.6000e-003	0.0000	118.8645	118.8645	6.1200e-003	0.0000	119.0175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	7.1000e-004	7.3700e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0768	2.0768	5.0000e-005	0.0000	2.0781
Total	0.0139	0.4542	0.0985	1.2500e-003	0.0286	1.4800e-003	0.0301	7.8300e-003	1.4100e-003	9.2500e-003	0.0000	120.9413	120.9413	6.1700e-003	0.0000	121.0956

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0507	0.0000	0.0507	0.0210	0.0000	0.0210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.0495	0.4950	9.3000e-004		1.5200e-003	1.5200e-003		1.5200e-003	1.5200e-003	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
Total	0.0114	0.0495	0.4950	9.3000e-004	0.0507	1.5200e-003	0.0523	0.0210	1.5200e-003	0.0226	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871

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3.3 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0129	0.4535	0.0911	1.2300e-003	0.0262	1.4600e-003	0.0277	7.2000e-003	1.4000e-003	8.6000e-003	0.0000	118.8645	118.8645	6.1200e-003	0.0000	119.0175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	7.1000e-004	7.3700e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0768	2.0768	5.0000e-005	0.0000	2.0781
Total	0.0139	0.4542	0.0985	1.2500e-003	0.0286	1.4800e-003	0.0301	7.8300e-003	1.4100e-003	9.2500e-003	0.0000	120.9413	120.9413	6.1700e-003	0.0000	121.0956

3.4 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1664	1.5061	1.3226	2.1100e-003		0.0877	0.0877		0.0825	0.0825	0.0000	181.8138	181.8138	0.0444	0.0000	182.9227
Total	0.1664	1.5061	1.3226	2.1100e-003		0.0877	0.0877		0.0825	0.0825	0.0000	181.8138	181.8138	0.0444	0.0000	182.9227

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5900e-003	0.2264	0.0569	5.3000e-004	0.0129	1.1000e-003	0.0140	3.7200e-003	1.0600e-003	4.7800e-003	0.0000	51.3821	51.3821	2.6500e-003	0.0000	51.4483
Worker	0.0263	0.0188	0.1947	6.1000e-004	0.0627	4.2000e-004	0.0631	0.0167	3.9000e-004	0.0171	0.0000	54.8875	54.8875	1.3300e-003	0.0000	54.9207
Total	0.0339	0.2452	0.2517	1.1400e-003	0.0755	1.5200e-003	0.0770	0.0204	1.4500e-003	0.0218	0.0000	106.2695	106.2695	3.9800e-003	0.0000	106.3690

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0257	0.1754	1.3706	2.1100e-003		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003	0.0000	181.8136	181.8136	0.0444	0.0000	182.9225
Total	0.0257	0.1754	1.3706	2.1100e-003		3.2000e-003	3.2000e-003		3.2000e-003	3.2000e-003	0.0000	181.8136	181.8136	0.0444	0.0000	182.9225

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5900e-003	0.2264	0.0569	5.3000e-004	0.0129	1.1000e-003	0.0140	3.7200e-003	1.0600e-003	4.7800e-003	0.0000	51.3821	51.3821	2.6500e-003	0.0000	51.4483
Worker	0.0263	0.0188	0.1947	6.1000e-004	0.0627	4.2000e-004	0.0631	0.0167	3.9000e-004	0.0171	0.0000	54.8875	54.8875	1.3300e-003	0.0000	54.9207
Total	0.0339	0.2452	0.2517	1.1400e-003	0.0755	1.5200e-003	0.0770	0.0204	1.4500e-003	0.0218	0.0000	106.2695	106.2695	3.9800e-003	0.0000	106.3690

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1359	1.2464	1.1851	1.9200e-003		0.0685	0.0685		0.0644	0.0644	0.0000	165.6207	165.6207	0.0400	0.0000	166.6196
Total	0.1359	1.2464	1.1851	1.9200e-003		0.0685	0.0685		0.0644	0.0644	0.0000	165.6207	165.6207	0.0400	0.0000	166.6196

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3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6700e-003	0.1867	0.0466	4.8000e-004	0.0117	4.1000e-004	0.0121	3.3900e-003	3.9000e-004	3.7800e-003	0.0000	46.3577	46.3577	2.2800e-003	0.0000	46.4147
Worker	0.0222	0.0153	0.1620	5.3000e-004	0.0571	3.7000e-004	0.0574	0.0152	3.4000e-004	0.0155	0.0000	48.2389	48.2389	1.0800e-003	0.0000	48.2659
Total	0.0278	0.2020	0.2086	1.0100e-003	0.0688	7.8000e-004	0.0696	0.0186	7.3000e-004	0.0193	0.0000	94.5966	94.5966	3.3600e-003	0.0000	94.6807

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0234	0.1598	1.2484	1.9200e-003		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003	0.0000	165.6205	165.6205	0.0400	0.0000	166.6194
Total	0.0234	0.1598	1.2484	1.9200e-003		2.9200e-003	2.9200e-003		2.9200e-003	2.9200e-003	0.0000	165.6205	165.6205	0.0400	0.0000	166.6194

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3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6700e-003	0.1867	0.0466	4.8000e-004	0.0117	4.1000e-004	0.0121	3.3900e-003	3.9000e-004	3.7800e-003	0.0000	46.3577	46.3577	2.2800e-003	0.0000	46.4147
Worker	0.0222	0.0153	0.1620	5.3000e-004	0.0571	3.7000e-004	0.0574	0.0152	3.4000e-004	0.0155	0.0000	48.2389	48.2389	1.0800e-003	0.0000	48.2659
Total	0.0278	0.2020	0.2086	1.0100e-003	0.0688	7.8000e-004	0.0696	0.0186	7.3000e-004	0.0193	0.0000	94.5966	94.5966	3.3600e-003	0.0000	94.6807

3.5 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	2.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0155	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.5 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.3600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0020	1.0020	2.0000e-005	0.0000	1.0026
Total	4.6000e-004	3.2000e-004	3.3600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0020	1.0020	2.0000e-005	0.0000	1.0026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.8000e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	2.9500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7500e-003	0.0122	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.5 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.3600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0020	1.0020	2.0000e-005	0.0000	1.0026
Total	4.6000e-004	3.2000e-004	3.3600e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.1900e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0020	1.0020	2.0000e-005	0.0000	1.0026

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.7452	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.6 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3360	1.3360	3.0000e-005	0.0000	1.3367
Total	6.1000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3360	1.3360	3.0000e-005	0.0000	1.3367

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7430					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-004	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.7433	1.2900e-003	0.0183	3.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3360	1.3360	3.0000e-005	0.0000	1.3367
Total	6.1000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.3360	1.3360	3.0000e-005	0.0000	1.3367

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0753	0.3705	0.8449	3.0200e-003	0.2608	2.7400e-003	0.2635	0.0700	2.5600e-003	0.0726	0.0000	276.9771	276.9771	0.0102	0.0000	277.2328
Unmitigated	0.0753	0.3705	0.8449	3.0200e-003	0.2608	2.7400e-003	0.2635	0.0700	2.5600e-003	0.0726	0.0000	276.9771	276.9771	0.0102	0.0000	277.2328

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Retirement Community	303.40	303.40	303.40	700,735	700,735
Total	303.40	303.40	303.40	700,735	700,735

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Retirement Community	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Retirement Community	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	118.4715	118.4715	5.3600e-003	1.1100e-003	118.9357
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	118.4715	118.4715	5.3600e-003	1.1100e-003	118.9357
NaturalGas Mitigated	4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.6285	44.6285	8.6000e-004	8.2000e-004	44.8937
NaturalGas Unmitigated	4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.6285	44.6285	8.6000e-004	8.2000e-004	44.8937

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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					
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
Retirement Community	836306	4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.6285	44.6285	8.6000e-004	8.2000e-004	44.8937
Total		4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.6285	44.6285	8.6000e-004	8.2000e-004	44.8937

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					
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
Retirement Community	836306	4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.6285	44.6285	8.6000e-004	8.2000e-004	44.8937
Total		4.5100e-003	0.0385	0.0164	2.5000e-004		3.1200e-003	3.1200e-003		3.1200e-003	3.1200e-003	0.0000	44.6285	44.6285	8.6000e-004	8.2000e-004	44.8937

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	35000	10.1819	4.6000e-004	1.0000e-004	10.2218
Retirement Community	372242	108.2896	4.9000e-003	1.0100e-003	108.7139
Total		118.4715	5.3600e-003	1.1100e-003	118.9357

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	35000	10.1819	4.6000e-004	1.0000e-004	10.2218
Retirement Community	372242	108.2896	4.9000e-003	1.0100e-003	108.7139
Total		118.4715	5.3600e-003	1.1100e-003	118.9357

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7182	0.0114	0.8723	5.5000e-004		0.0406	0.0406		0.0406	0.0406	3.7384	2.5346	6.2729	6.9800e-003	2.5000e-004	6.5205
Unmitigated	0.7182	0.0114	0.8723	5.5000e-004		0.0406	0.0406		0.0406	0.0406	3.7384	2.5346	6.2729	6.9800e-003	2.5000e-004	6.5205

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	0.0743					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1892	4.3500e-003	0.2605	5.2000e-004		0.0373	0.0373		0.0373	0.0373	3.7384	1.5355	5.2739	6.0100e-003	2.5000e-004	5.4971
Landscaping	0.0186	7.0500e-003	0.6118	3.0000e-005		3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003	0.0000	0.9990	0.9990	9.7000e-004	0.0000	1.0233
Total	0.7182	0.0114	0.8724	5.5000e-004		0.0406	0.0406		0.0406	0.0406	3.7384	2.5346	6.2729	6.9800e-003	2.5000e-004	6.5205

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0743					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1892	4.3500e-003	0.2605	5.2000e-004		0.0373	0.0373		0.0373	0.0373	3.7384	1.5355	5.2739	6.0100e-003	2.5000e-004	5.4971
Landscaping	0.0186	7.0500e-003	0.6118	3.0000e-005		3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003	0.0000	0.9990	0.9990	9.7000e-004	0.0000	1.0233
Total	0.7182	0.0114	0.8724	5.5000e-004		0.0406	0.0406		0.0406	0.0406	3.7384	2.5346	6.2729	6.9800e-003	2.5000e-004	6.5205

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.5344	0.1746	4.2200e-003	19.1580
Unmitigated	13.5344	0.1746	4.2200e-003	19.1580

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	5.34263 / 3.36818	13.5344	0.1746	4.2200e-003	19.1580
Total		13.5344	0.1746	4.2200e-003	19.1580

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	5.34263 / 3.36818	13.5344	0.1746	4.2200e-003	19.1580
Total		13.5344	0.1746	4.2200e-003	19.1580

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.6568	0.4525	0.0000	18.9695
Unmitigated	7.6568	0.4525	0.0000	18.9695

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	37.72	7.6568	0.4525	0.0000	18.9695
Total		7.6568	0.4525	0.0000	18.9695

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	37.72	7.6568	0.4525	0.0000	18.9695
Total		7.6568	0.4525	0.0000	18.9695

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Emerald ISLE Condominium Project

Fuel Consumption from Construction Vehicles (Derived from the ARB EMFAC2017 Mobile Source Emission Model)

Fuel Consumption - Haul Trucks

Region (County)	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT (miles/day)	Fuel Consumption (1000 gallons/day)	Fuel Rate (miles/gallon)
SONOMA	2021	MHDT-t6	Aggregated	Aggregated	DSL	280574	30.0	9.4
SONOMA	2021	HHDT-T7	Aggregated	Aggregated	DSL	208560	34.1	6.1
							Average (50%/50%)	7.7
	2021	LDA	Aggregated	Aggregated	GAS	6239275.7	205	30.5
	2021	LDT1	Aggregated	Aggregated	GAS	678906.538	27	25.4
	2021	LDT2	Aggregated	Aggregated	GAS	2082789.76	88	23.6
							Average (50%/25%/25%)	27

Vehicle Assumptions (CalEEMod)

Haul trucks represented by HHDT-T7 (heavy -heavy duty haul truck)

MHDT-T6 (medium heavy duty haul truck)

Vendor trucks assumed to be 50% HHDT-T7 and MHDT-T6)

LDA (light duty automobile for worker vehicles)

LDT1 (light duty truck 1 for worker vehicles)

LDT2 (light duty truck 2 for worker vehicles)

Worker vehicles represented as 50% LDT, 25% LHT1, and 25% LDT2

Construction Vehicle Use (Derived from the CalEEMod model output)

Fuel Consumption for Haul Trucks

Construction Activity	No Haul Truck Trips	Trip Length	VMT (miles)	Fuel (gallons)
Site Preparation	0	20	0	0
Grading	3102	20	62040	10158
Building Construction	0	20	0	0
Paving	0	20	0	0
Architectural Coating	0	20	0	0
			Total	10158

Construction Activity	No Vendor Truck Trips/day	Duration (days)	Trip Length (miles)	VMT (miles)	Fuel	Fuel Rate (miles/gallon)	Fuel Consumption (gallons)	
Site Preparation	0	20	7.3	0	DSL	7.7	0	
Grading	0	30	7.3	0	DSL	7.7	0	
Building Construction	25	268	7.3	48910	DSL	7.7	6323	
Paving	0	20	7.3	0	DSL	7.7	0	
Architectural Coating	0	20	7.3	0	DSL	7.7	0	
							Total	6323

Activity	No Worker Vehicles Trips/day	Duration (days)	Trip Length (miles)	VMT (miles)	Fuel	Fuel Rate (miles/gallon)	Fuel Consumption (gallons)
Site Preparation	18	20	10.8	3888	GAS	27	142
Grading	20	30	10.8	6480	GAS	27	236
Building Construction	101	268	10.8	292334	GAS	27	10640
Paving	15	20	10.8	3240	GAS	27	118
Architectural Coating	20	20	10.8	4320	GAS	27	157

Summary	Gallons
Total -DSL	16481
Ttal - GAS	11293

Total **11293**

Table 1: Preliminary Construction Equipment Inventory and Fuel Usage

Activity (Duration)	Equipment	Number	Usage (hours/day)	Horsepower (HP)	Load Factor	Power (HP-hrs/day)	Total Fuel Consumption ⁽¹⁾ (gal DSL Fuel)
Site Preparation (10 days)	Tractors/Loaders/Backhoes	4	8.00	97	0.37	11,484	609
	Rubber Tired Dozers	3	8.00	247	0.40	23,712	1,257
Grading (30 days)	Excavators	2	8.00	158	0.38	28,819	1,527
	Rubber Tired Dozers	1	8.00	247	0.40	23,712	1,257
	Graders	1	8.00	187	0.41	18,401	975
	Tractors/Loaders/Backhoes	2	8.00	97	0.37	17,227	913
	Scrapers	2	8.00	367	0.48	84,557	4,482
Building Construction (268 days)	Cranes	1	7.00	231	0.29	125,673	6,661
	Forklifts	3	8.00	89	0.20	114,490	6,068
	Generator Sets	1	8.00	84	0.74	133,271	7,063
	Tractors/Loaders/Backhoes	3	7.00	97	0.37	201,989	10,705
	Welders	1	8.00	46	0.45	44,381	2,352
Paving (20 days)	Pavers	2	8	130	0.42	17,472	926
	Rollers	2	8	80	0.38	9,728	516
	Paving Equipment	2	8	132	0.36	15,206	806
Architectural Coating (20 days)	Air Compressors	1	8	78	0.48	4,493	238
Total							46,355
<p>Note: ⁽¹⁾ Offroad mobile source fuel usage is calculated using a fuel usage rate of 0.05 gallons of diesel per horsepower (HP)-hour, based the heating value of diesel (AP42).</p>							

Emerald Isle Condominium Project

Unmitigated

Estimation of Annual Construction DPM Emissions

Start of Construction	4/1/2020	1/1/2021	
End of Construction	12/31/2020	9/14/2021	Total
Number of Days	274	256	530
Number of Hours	6576	6144	12720

Size of the Construction area source: 50348 sq-meters

Onsite	Construction Activity	2020	2021	Total Emissions (tons)	Average Emissions (grams/sec)	Average Emissions (g/m2/sec)
		Onsite (tons)	Onsite (tons)			
	Site Preparation	1.010E-02				
	Grading	3.000E-02				
	Building Construction	8.250E-02	6.440E-02			
	Paving	0.000E+00	6.240E-03			
	Architectural Coating	0.000E+00	9.400E-04			
	Total	1.226E-01	7.158E-02	1.942E-01	3.850E-03	7.647E-08

Offsite 2020	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00000	
	Grading	0.00140	0.00000	0.00001	
	Building Construction	0.00000	0.00106	0.00039	
	Paving	0.00000	0.00000	0.00000	
	Architectural Coating	0.00000	0.00000	0.00000	
	Total	0.00140	0.00106	0.00040	0.00286

Offsite 2021	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00000	
	Grading	0.00000	0.00000	0.00000	
	Building Construction	0.00000	0.00039	0.00034	
	Paving	0.00000	0.00000	0.00001	
	Architectural Coating	0.00000	0.00000	0.00001	
	Total	0.00000	0.00039	0.00036	0.00075

	Haul Truck	Vendor Truck	Worker
Grand Total (tons)	0.00140	0.00145	0.00076
Average Emissions (g/sec)	2.776E-05	2.875E-05	1.507E-05

Default Vehicle Travel Distance for Haul Trucks in CalEEMod 20 miles
 Default Vehicle Travel Distance for Vendor Trucks in CalEEMod 7.9 miles
 Default Vehicle Travel Distance for Worker Vehicles in CalEEMod 19.8 miles

Vehicle Travel Distance in the HRA 0.73 miles

Total Offsite Vehicle Emissions Along Travel Distance

Total Offsite Vehicle Emissions Along Travel Distance

	2020	2021
Haul Trucks	1.02E-06 g/sec	
Vendor Trucks	2.67E-06 g/sec	
Worker Vehicles	5.59E-07 g/sec	
Total	4.25E-06 g/sec	

	2020	2021
Haul Trucks	5.14E-05	0.00E+00 tons
Vendor Trucks	9.86E-05	3.63E-05 tons
Worker Vehicles	1.48E-05	1.34E-05 tons
Total	1.65E-04	4.96E-05 tons

Summary Data Check	Calculated		Total (tons)	CalEEMod (tons)
	Onsite (tons)	Offsite (tons)		
2020	0.12260	0.00286	0.12546	0.12540
2021	0.07158	0.00075	0.07233	0.05780
Total	0.19418	0.00361	0.19779	0.18320

Emerald Isle Condominium Project

Unmitigated

Estimation of Annual Construction PM2.5 Fugitive Dust Emissions

Start of Construction	4/1/2020	1/1/2021	
End of Construction	12/31/2020	9/14/2021	Total
Number of Days	274	256	530
Number of Hours	6576	6144	12720

Size of the Construction area source: 50348 sq-meters

Onsite	Construction Activity	2020	2021	Total Emissions (tons)	Average Emissions (grams/sec)	Average Emissions (g/m2/sec)
		Onsite (tons)	Onsite (tons)			
	Site Preparation	1.940E-02				
	Grading	2.110E-02				
	Building Construction	0.000E+00	0.000E+00			
	Paving	0.000E+00	0.000E+00			
	Architectural Coating	0.000E+00	0.000E+00			
	Total	4.050E-02	0.000E+00	4.050E-02	8.031E-04	1.595E-08

Offsite 2020	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00019	
	Grading	0.00720	0.00000	0.00063	
	Building Construction	0.00000	0.00370	0.01670	
	Paving	0.00000	0.00000	0.00000	
	Architectural Coating	0.00000	0.00000	0.00000	
	Total	0.00720	0.00370	0.01752	0.02842

Offsite 2021	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00000	
	Grading	0.00000	0.00000	0.00000	
	Building Construction	0.00000	0.00339	0.01520	
	Paving	0.00000	0.00000	0.00032	
	Architectural Coating	0.00000	0.00000	0.00042	
	Total	0.00000	0.00339	0.01594	0.01933

	Haul Truck	Vendor Truck	Worker
Grand Total (tons)	0.00720	0.00709	0.03346
Average Emissions (g/sec)	1.428E-04	1.406E-04	6.635E-04

Default Vehicle Travel Distance for Haul Trucks in CalEEMod 20 miles
 Default Vehicle Travel Distance for Vendor Trucks in CalEEMod 7.9 miles
 Default Vehicle Travel Distance for Worker Vehicles in CalEEMod 19.8 miles

Vehicle Travel Distance in the HRA 0.73 miles

Total Offsite Vehicle Emissions Along Travel Distance

Haul Trucks	5.25E-06 g/sec
Vendor Trucks	1.31E-05 g/sec
Worker Vehicles	2.46E-05 g/sec
Total	4.29E-05 g/sec

Total Offsite Vehicle Emissions Along Travel Distance

	2020	2021
Haul Trucks	2.65E-04	0.00E+00 tons
Vendor Trucks	3.44E-04	3.15E-04 tons
Worker Vehicles	6.50E-04	5.92E-04 tons
Total	1.26E-03	9.07E-04 tons

Summary Data Check	Calculated			CalEEMod (tons)
	Onsite (tons)	Offsite (tons)	Total (tons)	
2020	0.04050	0.02842	0.06892	0.06890
2021	0.00000	0.01933	0.01933	0.01520
Total	0.04050	0.04775	0.08825	0.08410

Emerald Isle Condominium Project Prenatal to Adult Exposures

OEHHA Cancer/SCAQMD Risk Methodology - Construction and Operation

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment and SCAQMD via Rule 1401

Estimates of Construction Risk (Duration) 1.45 years

Prenatal to Adult	CPF	1.1 milligrams/kg-day					
	Exposure Frequency	350 days					
	Averaging Time	25550 days					
	ASF, DBR, TAH, Age Factors					URF	
	Age Group	ASF	95th %/80-DBR	TAH	ED	for Age Bin	
	3rd Trimester	10	361	1	0.25	13.60	
	0-2 years	10	1090	1	1.08	177.39	
	3-16 years	3	572	1	0	0.00	
	>16 to 30 years	1	261	0.73	0	0.00	
					1.33	190.99	

Estimates of Construction Risk (Duration) 1.5 years

Adult	CPF	1.1 milligrams/kg-day					
	Exposure Frequency	350 days					
	Averaging Time	25550 days					
	ASF, DBR, TAH, Age Factors					URF	
	Age Group	ASF	95th %/80-DBR	TAH	ED	for Age Bin	
	0-30 years	1	233	0.73	1.33	3.41	
					1.33	3.41	

Estimates of Construction Risk (Duration) 1.5 years

Child	CPF	1.1 milligrams/kg-day					
	Exposure Frequency	350 days					
	Averaging Time	25550 days					
	ASF, DBR, TAH, Age Factors					URF	
	Age Group	ASF	95th %/80-DBR	TAH	ED	for Age Bin	
	3-16 years	3	520	1	1.3	30.56	
					1.30	30.56	

Emerald Isle Condominium Project

Unmitigated

Estimation of Annual Average DPM and Cancer Risks

Annual Average Onsite DPM Emission Rate: 7.647E-08
 Multiplication Factor 0.0001
 Annual Average Offsite DPM Emission Rate 4.254E-06
 Multiplication Factor 0.0001

		Chronic Non-Cancer Reference Exposure Level				5 ug/m3				Max Risk (/million)	Max Risk (/million)	Max Risk (/million)	Max Chronic Non-Cancer Hazard
X (x)	Y (x)	Onsite	Onsite	Offsite	Offsite	Total DPM (ug/m3)	Prenatal to Adult Cancer Risk (/million)	Adult Cancer Risk (/million)	Child Cancer Risk (/million)	2.83E+01	5.05E-01	4.53E+00	2.96E-02
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)								
524142.3	4260057	1.666E+01	1.274E-02	8.240E-03	3.505E-04	1.309E-02	2.500E+00	4.462E-02	4.000E-01				2.618E-03
524152.3	4260057	1.823E+01	1.394E-02	1.066E-05	4.537E-07	1.395E-02	2.663E+00	4.754E-02	4.262E-01				2.789E-03
524162.3	4260057	2.012E+01	1.539E-02	1.177E-05	5.005E-07	1.539E-02	2.939E+00	5.245E-02	4.702E-01				3.077E-03
524172.3	4260057	2.216E+01	1.695E-02	1.296E-05	5.513E-07	1.695E-02	3.237E+00	5.777E-02	5.179E-01				3.390E-03
524182.3	4260057	2.448E+01	1.872E-02	1.432E-05	6.091E-07	1.872E-02	3.576E+00	6.383E-02	5.722E-01				3.745E-03
524192.3	4260057	2.726E+01	2.085E-02	1.594E-05	6.783E-07	2.085E-02	3.982E+00	7.107E-02	6.371E-01				4.170E-03
524202.3	4260057	3.064E+01	2.343E-02	1.792E-05	7.623E-07	2.343E-02	4.476E+00	7.988E-02	7.161E-01				4.687E-03
524212.3	4260057	3.473E+01	2.656E-02	2.031E-05	8.640E-07	2.656E-02	5.073E+00	9.054E-02	8.117E-01				5.312E-03
524222.3	4260057	3.965E+01	3.032E-02	2.319E-05	9.865E-07	3.032E-02	5.791E+00	1.034E-01	9.267E-01				6.065E-03
524232.3	4260057	4.575E+01	3.498E-02	2.675E-05	1.138E-06	3.499E-02	6.682E+00	1.193E-01	1.069E+00				6.997E-03
524242.3	4260057	5.336E+01	4.081E-02	3.121E-05	1.328E-06	4.081E-02	7.794E+00	1.391E-01	1.247E+00				8.161E-03
524252.3	4260057	6.300E+01	4.818E-02	3.685E-05	1.567E-06	4.818E-02	9.202E+00	1.642E-01	1.472E+00				9.637E-03
524262.3	4260057	7.518E+01	5.749E-02	4.397E-05	1.870E-06	5.749E-02	1.098E+01	1.960E-01	1.757E+00				1.150E-02
524272.3	4260057	9.052E+01	6.923E-02	5.294E-05	2.252E-06	6.923E-02	1.322E+01	2.360E-01	2.116E+00				1.385E-02
524282.3	4260057	1.099E+02	8.405E-02	6.428E-05	2.734E-06	8.405E-02	1.605E+01	2.865E-01	2.569E+00				1.681E-02
524142.3	4260067	1.815E+01	1.388E-02	1.061E-05	4.514E-07	1.388E-02	2.650E+00	4.730E-02	4.241E-01				2.775E-03
524152.3	4260067	1.998E+01	1.528E-02	1.169E-05	4.971E-07	1.528E-02	2.918E+00	5.209E-02	4.670E-01				3.056E-03
524162.3	4260067	2.219E+01	1.697E-02	1.298E-05	5.521E-07	1.697E-02	3.242E+00	5.786E-02	5.187E-01				3.395E-03
524172.3	4260067	2.457E+01	1.879E-02	1.437E-05	6.113E-07	1.879E-02	3.589E+00	6.406E-02	5.743E-01				3.758E-03
524182.3	4260067	2.729E+01	2.087E-02	1.596E-05	6.790E-07	2.087E-02	3.986E+00	7.115E-02	6.378E-01				4.175E-03
524192.3	4260067	3.049E+01	2.332E-02	1.783E-05	7.585E-07	2.332E-02	4.453E+00	7.948E-02	7.126E-01				4.663E-03
524202.3	4260067	3.438E+01	2.629E-02	2.011E-05	8.554E-07	2.629E-02	5.022E+00	8.963E-02	8.035E-01				5.259E-03
524212.3	4260067	3.908E+01	2.989E-02	2.286E-05	9.723E-07	2.989E-02	5.708E+00	1.019E-01	9.133E-01				5.977E-03
524222.3	4260067	4.474E+01	3.422E-02	2.617E-05	1.113E-06	3.422E-02	6.535E+00	1.166E-01	1.046E+00				6.844E-03
524232.3	4260067	5.162E+01	3.947E-02	3.019E-05	1.284E-06	3.947E-02	7.539E+00	1.346E-01	1.206E+00				7.895E-03
524242.3	4260067	6.014E+01	4.599E-02	3.517E-05	1.496E-06	4.599E-02	8.784E+00	1.568E-01	1.406E+00				9.199E-03
524252.3	4260067	7.086E+01	5.419E-02	4.144E-05	1.763E-06	5.420E-02	1.035E+01	1.847E-01	1.656E+00				1.084E-02
524262.3	4260067	8.412E+01	6.433E-02	4.920E-05	2.093E-06	6.433E-02	1.229E+01	2.193E-01	1.966E+00				1.287E-02
524272.3	4260067	1.006E+02	7.697E-02	5.886E-05	2.504E-06	7.697E-02	1.470E+01	2.624E-01	2.352E+00				1.539E-02
524282.3	4260067	1.211E+02	9.263E-02	7.084E-05	3.013E-06	9.263E-02	1.769E+01	3.158E-01	2.831E+00				1.853E-02
524142.3	4260077	1.980E+01	1.514E-02	1.158E-05	4.927E-07	1.515E-02	2.893E+00	5.163E-02	4.628E-01				3.029E-03
524152.3	4260077	2.192E+01	1.676E-02	1.282E-05	5.454E-07	1.676E-02	3.202E+00	5.715E-02	5.123E-01				3.353E-03
524162.3	4260077	2.452E+01	1.875E-02	1.434E-05	6.100E-07	1.875E-02	3.581E+00	6.391E-02	5.730E-01				3.750E-03
524172.3	4260077	2.732E+01	2.089E-02	1.598E-05	6.796E-07	2.089E-02	3.990E+00	7.121E-02	6.384E-01				4.178E-03
524182.3	4260077	3.043E+01	2.327E-02	1.780E-05	7.571E-07	2.327E-02	4.445E+00	7.933E-02	7.112E-01				4.655E-03
524192.3	4260077	3.417E+01	2.613E-02	1.998E-05	8.500E-07	2.613E-02	4.990E+00	8.907E-02	7.985E-01				5.226E-03
524202.3	4260077	3.863E+01	2.954E-02	2.259E-05	9.610E-07	2.954E-02	5.642E+00	1.007E-01	9.027E-01				5.908E-03
524212.3	4260077	4.399E+01	3.364E-02	2.573E-05	1.094E-06	3.364E-02	6.425E+00	1.147E-01	1.028E+00				6.729E-03
524222.3	4260077	5.033E+01	3.849E-02	2.943E-05	1.252E-06	3.849E-02	7.351E+00	1.312E-01	1.176E+00				7.698E-03
524232.3	4260077	5.803E+01	4.438E-02	3.394E-05	1.444E-06	4.438E-02	8.475E+00	1.513E-01	1.356E+00				8.875E-03
524242.3	4260077	6.741E+01	5.156E-02	3.943E-05	1.677E-06	5.156E-02	9.847E+00	1.757E-01	1.576E+00				1.031E-02
524252.3	4260077	7.901E+01	6.042E-02	4.621E-05	1.966E-06	6.043E-02	1.154E+01	2.060E-01	1.847E+00				1.209E-02
524262.3	4260077	9.322E+01	7.129E-02	5.452E-05	2.319E-06	7.129E-02	1.362E+01	2.430E-01	2.179E+00				1.426E-02
524272.3	4260077	1.106E+02	8.457E-02	6.468E-05	2.751E-06	8.458E-02	1.615E+01	2.883E-01	2.585E+00				1.692E-02
524282.3	4260077	1.316E+02	1.006E-01	7.697E-05	3.274E-06	1.006E-01	1.922E+01	3.431E-01	3.076E+00				2.013E-02
524142.3	4260087	2.159E+01	1.651E-02	1.263E-05	5.372E-07	1.651E-02	3.154E+00	5.629E-02	5.046E-01				3.303E-03
524152.3	4260087	2.396E+01	1.833E-02	1.401E-05	5.962E-07	1.833E-02	3.500E+00	6.247E-02	5.600E-01				3.665E-03
524162.3	4260087	2.687E+01	2.055E-02	1.571E-05	6.684E-07	2.055E-02	3.924E+00	7.004E-02	6.279E-01				4.109E-03
524172.3	4260087	3.004E+01	2.298E-02	1.757E-05	7.474E-07	2.298E-02	4.388E+00	7.832E-02	7.021E-01				4.595E-03
524182.3	4260087	3.363E+01	2.572E-02	1.967E-05	8.368E-07	2.572E-02	4.912E+00	8.768E-02	7.860E-01				5.144E-03
524192.3	4260087	3.789E+01	2.897E-02	2.216E-05	9.426E-07	2.898E-02	5.534E+00	9.877E-02	8.855E-01				5.795E-03
524202.3	4260087	4.296E+01	3.286E-02	2.513E-05	1.069E-06	3.286E-02	6.275E+00	1.120E-01	1.004E+00				6.571E-03
524212.3	4260087	4.905E+01	3.751E-02	2.869E-05	1.220E-06	3.751E-02	7.164E+00	1.279E-01	1.146E+00				7.503E-03
524222.3	4260087	5.618E+01	4.296E-02	3.286E-05	1.398E-06	4.297E-02	8.206E+00	1.465E-01	1.313E+00				8.593E-03
524232.3	4260087	6.478E+01	4.954E-02	3.788E-05	1.612E-06	4.954E-02	9.461E+00	1.689E-01	1.514E+00				9.908E-03
524242.3	4260087	7.516E+01	5.748E-02	4.396E-05	1.870E-06	5.748E-02	1.098E+01	1.959E-01	1.757E+00				1.150E-02
524252.3	4260087	8.772E+01	6.708E-02	5.130E-05	2.182E-06	6.709E-02	1.281E+01	2.287E-01	2.050E+00				1.342E-02
524262.3	4260087	1.027E+02	7.853E-02	6.005E-05	2.555E-06	7.853E-02	1.500E+01	2.677E-01	2.400E+00				1.571E-02
524272.3	4260087	1.204E+02	9.206E-02	7.040E-05	2.995E-06	9.206E-02	1.758E+01	3.138E-01	2.813E+00				1.841E-02
524282.3	4260087	1.410E+02	1.079E-01	8.248E-05	3.509E-06	1.079E-01	2.060E+01	3.677E-01	3.296E+00				2.157E-02
524142.3	4260097	2.353E+01	1.800E-02	1.376E-05	5.854E-07	1.800E-02	3.437E+00	6.134E-02	5.499E-01				3.599E-03
524152.3	4260097	2.610E+01	1.996E-02	1.526E-05	6.493E-07	1.996E-02	3.812E+00	6.803E-02	6.099E-01				3.992E-03
524162.3	4260097	2.918E+01	2.232E-02	1.707E-05	7.261E-07	2.232E-02	4.263E+00	7.608E-02	6.820E-01				4.464E-03
524172.3	4260097	3.264E+01	2.496E-02	1.909E-05	8.121E-07	2.496E-02	4.768E+00	8.510E-02	7.629E-01				4.993E-03
524182.3	4260097	3.661E+01	2.800E-02	2.141E-05	9.108E-07	2.800E-02	5.347E+00	9.544E-02	8.556E-01				5.600E-03
524192.3	4260097	4.136E+01	3.163E-02	2.419E-05	1.029E-06	3.163E-02	6.041E+00	1.078E-01	9.666E-01				6.326E-03
524202.3	4260097	4.703E+01	3.596E-02	2.750E-05	1.170E-06	3.597E-02	6.869E+00	1.226E-01	1.099E+00				7.193E-03
524212.3	4260097	5.383E+01	4.117E-02	3.148E-05	1.339E-06	4.117E-02	7.862E+00	1.403E-01	1.258E+00				8.233E-03
524222.3	4260097	6.191E+01	4.735E-02	3.621E-05	1.540E-06	4.735E-02	9.043E+00	1.614E-01	1.447E+00				9.470E-03
524232.3	4260097	7.183E+01	5.493E-02	4.201E-05	1.787E-06	5.493E-02	1.049E+01	1.872E-01	1.679E+00				

524152.3	4260107	2.839E+01	2.171E-02	1.661E-05	7.064E-07	2.172E-02	4.147E+00	7.402E-02	6.636E-01	4.343E-03
524162.3	4260107	3.166E+01	2.422E-02	1.852E-05	7.878E-07	2.422E-02	4.625E+00	8.255E-02	7.400E-01	4.843E-03
524172.3	4260107	3.541E+01	2.708E-02	2.071E-05	8.810E-07	2.708E-02	5.172E+00	9.232E-02	8.276E-01	5.416E-03
524182.3	4260107	3.979E+01	3.043E-02	2.327E-05	9.900E-07	3.043E-02	5.812E+00	1.037E-01	9.300E-01	6.086E-03
524192.3	4260107	4.503E+01	3.443E-02	2.633E-05	1.120E-06	3.443E-02	6.577E+00	1.174E-01	1.052E+00	6.887E-03
524202.3	4260107	5.128E+01	3.921E-02	2.999E-05	1.276E-06	3.922E-02	7.490E+00	1.337E-01	1.198E+00	7.843E-03
524212.3	4260107	5.880E+01	4.497E-02	3.439E-05	1.463E-06	4.497E-02	8.588E+00	1.533E-01	1.374E+00	8.994E-03
524222.3	4260107	6.791E+01	5.194E-02	3.972E-05	1.690E-06	5.194E-02	9.920E+00	1.770E-01	1.587E+00	1.039E-02
524232.3	4260107	7.905E+01	6.045E-02	4.623E-05	1.967E-06	6.046E-02	1.155E+01	2.061E-01	1.847E+00	1.209E-02
524242.3	4260107	9.213E+01	7.046E-02	5.388E-05	2.292E-06	7.046E-02	1.346E+01	2.402E-01	2.153E+00	1.409E-02
524252.3	4260107	1.068E+02	8.164E-02	6.244E-05	2.656E-06	8.165E-02	1.559E+01	2.783E-01	2.495E+00	1.633E-02
524262.3	4260107	1.235E+02	9.447E-02	7.225E-05	3.073E-06	9.448E-02	1.804E+01	3.220E-01	2.887E+00	1.890E-02
524272.3	4260107	1.391E+02	1.064E-01	8.134E-05	3.460E-06	1.064E-01	2.031E+01	3.626E-01	3.250E+00	2.127E-02
524282.3	4260107	1.571E+02	1.202E-01	9.190E-05	3.910E-06	1.202E-01	2.295E+01	4.097E-01	3.673E+00	2.404E-02
524142.3	4260117	2.780E+01	2.126E-02	1.626E-05	6.916E-07	2.126E-02	4.060E+00	7.247E-02	6.496E-01	4.252E-03
524152.3	4260117	3.079E+01	2.354E-02	1.800E-05	7.659E-07	2.354E-02	4.497E+00	8.026E-02	7.195E-01	4.709E-03
524162.3	4260117	3.426E+01	2.620E-02	2.004E-05	8.524E-07	2.620E-02	5.004E+00	8.931E-02	8.007E-01	5.240E-03
524172.3	4260117	3.826E+01	2.926E-02	2.238E-05	9.520E-07	2.926E-02	5.589E+00	9.975E-02	8.942E-01	5.853E-03
524182.3	4260117	4.298E+01	3.287E-02	2.514E-05	1.069E-06	3.287E-02	6.277E+00	1.120E-01	1.004E+00	6.574E-03
524192.3	4260117	4.848E+01	3.708E-02	2.835E-05	1.206E-06	3.708E-02	7.081E+00	1.264E-01	1.133E+00	7.416E-03
524202.3	4260117	5.516E+01	4.218E-02	3.226E-05	1.372E-06	4.218E-02	8.056E+00	1.438E-01	1.289E+00	8.436E-03
524212.3	4260117	6.316E+01	4.830E-02	3.694E-05	1.571E-06	4.831E-02	9.226E+00	1.647E-01	1.476E+00	9.661E-03
524222.3	4260117	7.301E+01	5.583E-02	4.270E-05	1.816E-06	5.584E-02	1.066E+01	1.903E-01	1.706E+00	1.117E-02
524232.3	4260117	8.547E+01	6.536E-02	4.999E-05	2.126E-06	6.537E-02	1.248E+01	2.228E-01	1.998E+00	1.307E-02
524242.3	4260117	9.988E+01	7.638E-02	5.841E-05	2.485E-06	7.639E-02	1.459E+01	2.604E-01	2.334E+00	1.528E-02
524252.3	4260117	1.156E+02	8.837E-02	6.758E-05	2.875E-06	8.837E-02	1.688E+01	3.012E-01	2.701E+00	1.767E-02
524262.3	4260117	1.340E+02	1.025E-01	7.835E-05	3.333E-06	1.025E-01	1.957E+01	3.493E-01	3.131E+00	2.049E-02
524272.3	4260117	1.473E+02	1.127E-01	8.615E-05	3.665E-06	1.127E-01	2.152E+01	3.840E-01	3.443E+00	2.253E-02
524282.3	4260117	1.639E+02	1.254E-01	9.588E-05	4.079E-06	1.254E-01	2.395E+01	4.274E-01	3.831E+00	2.508E-02
524142.3	4260127	3.009E+01	1.760E-02	1.760E-05	7.487E-07	2.301E-02	4.395E+00	7.845E-02	7.033E-01	4.603E-03
524152.3	4260127	3.327E+01	2.544E-02	1.946E-05	8.277E-07	2.544E-02	4.859E+00	8.673E-02	7.775E-01	5.089E-03
524162.3	4260127	3.693E+01	2.824E-02	2.160E-05	9.188E-07	2.824E-02	5.394E+00	9.672E-02	8.630E-01	5.648E-03
524172.3	4260127	4.116E+01	3.147E-02	2.407E-05	1.024E-06	3.148E-02	6.011E+00	1.037E-01	9.618E-01	6.295E-03
524182.3	4260127	4.605E+01	3.522E-02	2.693E-05	1.146E-06	3.522E-02	6.727E+00	1.201E-01	1.076E+00	7.044E-03
524192.3	4260127	5.181E+01	3.962E-02	3.030E-05	1.289E-06	3.962E-02	7.567E+00	1.351E-01	1.211E+00	7.925E-03
524202.3	4260127	5.876E+01	4.494E-02	3.437E-05	1.462E-06	4.494E-02	8.583E+00	1.532E-01	1.373E+00	8.988E-03
524212.3	4260127	6.702E+01	5.125E-02	3.920E-05	1.667E-06	5.126E-02	9.789E+00	1.747E-01	1.566E+00	1.025E-02
524222.3	4260127	7.717E+01	5.920E-02	4.513E-05	1.920E-06	5.920E-02	1.127E+01	2.012E-01	1.803E+00	1.180E-02
524232.3	4260127	8.999E+01	6.882E-02	5.263E-05	2.239E-06	6.882E-02	1.314E+01	2.346E-01	2.103E+00	1.376E-02
524242.3	4260127	1.052E+02	8.049E-02	6.155E-05	2.618E-06	8.049E-02	1.537E+01	2.744E-01	2.460E+00	1.610E-02
524252.3	4260127	1.223E+02	9.354E-02	7.153E-05	3.043E-06	9.354E-02	1.787E+01	3.189E-01	2.859E+00	1.871E-02
524262.3	4260127	1.415E+02	1.082E-01	8.275E-05	3.520E-06	1.082E-01	2.067E+01	3.689E-01	3.307E+00	2.164E-02
524272.3	4260127	1.575E+02	1.175E-01	8.989E-05	3.824E-06	1.176E-01	2.245E+01	4.007E-01	3.592E+00	2.351E-02
524282.3	4260127	1.694E+02	1.296E-01	9.908E-05	4.215E-06	1.296E-01	2.475E+01	4.417E-01	3.959E+00	2.591E-02
524142.3	4260137	3.248E+01	2.484E-02	1.900E-05	8.081E-07	2.484E-02	4.744E+00	8.468E-02	7.591E-01	4.968E-03
524152.3	4260137	3.584E+01	2.741E-02	2.096E-05	8.917E-07	2.741E-02	5.235E+00	9.343E-02	8.376E-01	5.482E-03
524162.3	4260137	3.969E+01	3.035E-02	2.321E-05	9.874E-07	3.035E-02	5.797E+00	1.035E-01	9.275E-01	6.070E-03
524172.3	4260137	4.414E+01	3.376E-02	2.581E-05	1.098E-06	3.376E-02	6.447E+00	1.151E-01	1.032E+00	6.751E-03
524182.3	4260137	4.926E+01	3.767E-02	2.881E-05	1.226E-06	3.767E-02	7.195E+00	1.284E-01	1.151E+00	7.535E-03
524192.3	4260137	5.525E+01	4.225E-02	3.231E-05	1.374E-06	4.225E-02	8.069E+00	1.440E-01	1.291E+00	8.450E-03
524202.3	4260137	6.245E+01	4.776E-02	3.653E-05	1.554E-06	4.776E-02	9.122E+00	1.688E-01	1.460E+00	9.553E-03
524212.3	4260137	7.089E+01	5.421E-02	4.146E-05	1.764E-06	5.421E-02	1.035E+01	1.848E-01	1.657E+00	1.084E-02
524222.3	4260137	8.131E+01	6.218E-02	4.755E-05	2.023E-06	6.218E-02	1.188E+01	2.120E-01	1.900E+00	1.244E-02
524232.3	4260137	9.435E+01	7.215E-02	5.518E-05	2.347E-06	7.216E-02	1.378E+01	2.460E-01	2.205E+00	1.443E-02
524242.3	4260137	1.102E+02	8.429E-02	6.446E-05	2.742E-06	8.429E-02	1.610E+01	2.873E-01	2.576E+00	1.686E-02
524252.3	4260137	1.281E+02	9.797E-02	7.492E-05	3.187E-06	9.797E-02	1.871E+01	3.340E-01	2.994E+00	1.959E-02
524262.3	4260137	1.493E+02	1.142E-01	8.731E-05	3.714E-06	1.142E-01	2.181E+01	3.892E-01	3.489E+00	2.283E-02
524272.3	4260137	1.600E+02	1.224E-01	9.359E-05	3.981E-06	1.224E-01	2.337E+01	4.172E-01	3.740E+00	2.448E-02
524282.3	4260137	1.746E+02	1.335E-01	1.021E-04	4.344E-06	1.335E-01	2.550E+01	4.552E-01	4.081E+00	2.671E-02
524142.3	4260147	3.491E+01	2.670E-02	2.042E-05	8.685E-07	2.670E-02	5.099E+00	9.101E-02	8.159E-01	5.340E-03
524152.3	4260147	3.847E+01	2.942E-02	2.250E-05	9.572E-07	2.942E-02	5.619E+00	1.003E-01	8.991E-01	5.885E-03
524162.3	4260147	4.253E+01	3.253E-02	2.488E-05	1.058E-06	3.253E-02	6.212E+00	1.109E-01	9.940E-01	6.506E-03
524172.3	4260147	4.722E+01	3.611E-02	2.762E-05	1.175E-06	3.612E-02	6.898E+00	1.231E-01	1.104E+00	7.223E-03
524182.3	4260147	5.257E+01	4.020E-02	3.075E-05	1.308E-06	4.020E-02	7.679E+00	1.370E-01	1.229E+00	8.041E-03
524192.3	4260147	5.883E+01	4.499E-02	3.441E-05	1.464E-06	4.499E-02	8.593E+00	1.534E-01	1.375E+00	8.999E-03
524202.3	4260147	6.625E+01	5.066E-02	3.874E-05	1.648E-06	5.067E-02	9.676E+00	1.727E-01	1.548E+00	1.013E-02
524212.3	4260147	7.493E+01	5.730E-02	4.382E-05	1.864E-06	5.730E-02	1.094E+01	1.953E-01	1.751E+00	1.146E-02
524222.3	4260147	8.544E+01	6.534E-02	4.997E-05	2.126E-06	6.534E-02	1.248E+01	2.227E-01	1.997E+00	1.307E-02
524232.3	4260147	9.835E+01	7.521E-02	5.752E-05	2.447E-06	7.521E-02	1.436E+01	2.564E-01	2.298E+00	1.504E-02
524242.3	4260147	1.139E+02	8.709E-02	6.660E-05	2.833E-06	8.710E-02	1.663E+01	2.969E-01	2.662E+00	1.742E-02
524252.3	4260147	1.315E+02	1.006E-01	7.692E-05	3.272E-06	1.006E-01	1.921E+01	3.429E-01	3.074E+00	2.012E-02
524262.3	4260147	1.517E+02	1.160E-01	8.870E-05	3.773E-06	1.160E-01	2.215E+01	3.954E-01	3.545E+00	2.320E-02
524272.3	4260147	1.634E+02	1.249E-01	9.554E-05	4.064E-06	1.249E-01	2.386E+01	4.259E-01	3.818E+00	2.499E-02
524282.3	4260147	1.782E+02	1.363E-01	1.042E-04	4.434E-06	1.363E-01	2.603E+01	4.646E-01	4.165E+00	2.726E-02
524142.3	4260157	3.738E+01	2.858E-02	2.186E-05	9.299E-07	2.858E-02	5.459E+00	9.744E-02	8.735E-01	5.717E-03
524152.3	4260157	4.117E+01	3.149E-02	2.408E-05	1.024E-06	3.149E-02	6.014E+00	1.073E-01	9.622E-01	6.298E-03
524162.3	4260157	4.550E+01	3.480E-02	2.661E-05	1.132E-06	3.480E-02	6.646E+00	1.186E-01	1.063E+00	6.960E-03
524172.3	4260157	5.042E+01	3.856E-02	2.949E-05	1.254E-06	3.856E-02	7.365E+00	1.314E-01	1.178E+00	7.712E-03
524182.3	4260157	5.604E+01	4.286E-02	3.277E-05	1.394E-06	4.286E-02	8.185E+00	1.461E-01	1.310E+00	8.572E-03
524192.3	42601									

524162.3	4260167	4.845E+01	3.705E-02	2.833E-05	1.205E-06	3.705E-02	7.076E+00	1.263E-01	1.132E+00	7.410E-03
524172.3	4260167	5.361E+01	4.100E-02	3.135E-05	1.334E-06	4.100E-02	7.831E+00	1.398E-01	1.253E+00	8.200E-03
524182.3	4260167	5.948E+01	4.549E-02	3.479E-05	1.480E-06	4.549E-02	8.687E+00	1.551E-01	1.390E+00	9.097E-03
524192.3	4260167	6.620E+01	5.062E-02	3.871E-05	1.647E-06	5.062E-02	9.669E+00	1.726E-01	1.547E+00	1.012E-02
524202.3	4260167	7.400E+01	5.659E-02	4.328E-05	1.841E-06	5.659E-02	1.081E+01	1.929E-01	1.729E+00	1.132E-02
524212.3	4260167	8.295E+01	6.343E-02	4.851E-05	2.064E-06	6.344E-02	1.212E+01	2.162E-01	1.939E+00	1.269E-02
524222.3	4260167	9.340E+01	7.142E-02	5.462E-05	2.324E-06	7.143E-02	1.364E+01	2.435E-01	2.183E+00	1.429E-02
524232.3	4260167	1.055E+02	8.065E-02	6.168E-05	2.624E-06	8.066E-02	1.540E+01	2.749E-01	2.465E+00	1.613E-02
524242.3	4260167	1.187E+02	9.077E-02	6.941E-05	2.953E-06	9.077E-02	1.734E+01	3.094E-01	2.774E+00	1.815E-02
524252.3	4260167	1.324E+02	1.013E-01	7.746E-05	3.295E-06	1.013E-01	1.934E+01	3.453E-01	3.095E+00	2.026E-02
524262.3	4260167	1.475E+02	1.128E-01	8.626E-05	3.669E-06	1.128E-01	2.154E+01	3.845E-01	3.447E+00	2.256E-02
524272.3	4260167	1.633E+02	1.249E-01	9.550E-05	4.062E-06	1.249E-01	2.385E+01	4.257E-01	3.816E+00	2.498E-02
524282.3	4260167	1.807E+02	1.382E-01	1.057E-04	4.494E-06	1.382E-01	2.639E+01	4.710E-01	4.222E+00	2.763E-02
524142.3	4260177	4.234E+01	3.238E-02	2.476E-05	1.053E-06	3.238E-02	6.185E+00	1.104E+01	9.896E-01	6.477E-03
524152.3	4260177	4.658E+01	3.562E-02	2.724E-05	1.159E-06	3.562E-02	6.804E+00	1.214E+01	1.089E+00	7.125E-03
524162.3	4260177	5.137E+01	3.929E-02	3.004E-05	1.278E-06	3.929E-02	7.503E+00	1.339E-01	1.201E+00	7.858E-03
524172.3	4260177	5.676E+01	4.340E-02	3.319E-05	1.412E-06	4.340E-02	8.290E+00	1.480E-01	1.326E+00	8.681E-03
524182.3	4260177	6.280E+01	4.803E-02	3.673E-05	1.562E-06	4.803E-02	9.172E+00	1.637E-01	1.468E+00	9.605E-03
524192.3	4260177	6.970E+01	5.330E-02	4.076E-05	1.734E-06	5.330E-02	1.018E+01	1.817E-01	1.629E+00	1.066E-02
524202.3	4260177	7.766E+01	5.939E-02	4.542E-05	1.932E-06	5.939E-02	1.134E+01	2.025E-01	1.815E+00	1.188E-02
524212.3	4260177	8.664E+01	6.625E-02	5.067E-05	2.155E-06	6.626E-02	1.265E+01	2.259E-01	2.025E+00	1.325E-02
524222.3	4260177	9.696E+01	7.415E-02	5.671E-05	2.412E-06	7.415E-02	1.416E+01	2.528E-01	2.266E+00	1.483E-02
524232.3	4260177	1.087E+02	8.317E-02	6.360E-05	2.706E-06	8.317E-02	1.588E+01	2.835E-01	2.542E+00	1.663E-02
524242.3	4260177	1.213E+02	9.277E-02	7.095E-05	3.018E-06	9.277E-02	1.772E+01	3.162E-01	2.835E+00	1.855E-02
524252.3	4260177	1.344E+02	1.028E-01	7.860E-05	3.344E-06	1.028E-01	1.963E+01	3.504E-01	3.141E+00	2.056E-02
524262.3	4260177	1.489E+02	1.139E-01	8.710E-05	3.705E-06	1.139E-01	2.175E+01	3.883E-01	3.481E+00	2.278E-02
524272.3	4260177	1.648E+02	1.260E-01	9.636E-05	4.099E-06	1.260E-01	2.407E+01	4.295E-01	3.851E+00	2.520E-02
524282.3	4260177	1.823E+02	1.394E-01	1.066E-04	4.534E-06	1.394E-01	2.662E+01	4.751E-01	4.259E+00	2.788E-02
524142.3	4260187	4.481E+01	3.427E-02	2.621E-05	1.115E-06	3.427E-02	6.545E+00	1.168E-01	1.047E+00	6.854E-03
524152.3	4260187	4.925E+01	3.766E-02	2.880E-05	1.225E-06	3.766E-02	7.193E+00	1.284E-01	1.151E+00	7.533E-03
524162.3	4260187	5.423E+01	4.148E-02	3.172E-05	1.349E-06	4.148E-02	7.922E+00	1.414E-01	1.267E+00	8.295E-03
524172.3	4260187	5.979E+01	4.573E-02	3.497E-05	1.488E-06	4.573E-02	8.733E+00	1.559E-01	1.397E+00	9.146E-03
524182.3	4260187	6.602E+01	5.049E-02	3.861E-05	1.643E-06	5.049E-02	9.644E+00	1.721E-01	1.543E+00	1.010E-02
524192.3	4260187	7.305E+01	5.587E-02	4.272E-05	1.817E-06	5.587E-02	1.067E+01	1.904E-01	1.707E+00	1.117E-02
524202.3	4260187	8.100E+01	6.194E-02	4.737E-05	2.015E-06	6.195E-02	1.183E+01	2.112E-01	1.893E+00	1.239E-02
524212.3	4260187	8.993E+01	6.877E-02	5.259E-05	2.237E-06	6.878E-02	1.314E+01	2.344E-01	2.102E+00	1.376E-02
524222.3	4260187	1.001E+02	7.656E-02	5.855E-05	2.491E-06	7.656E-02	1.462E+01	2.610E-01	2.340E+00	1.531E-02
524232.3	4260187	1.117E+02	8.544E-02	6.534E-05	2.780E-06	8.545E-02	1.632E+01	2.913E-01	2.611E+00	1.709E-02
524242.3	4260187	1.241E+02	9.487E-02	7.255E-05	3.086E-06	9.487E-02	1.812E+01	3.234E-01	2.899E+00	1.897E-02
524252.3	4260187	1.371E+02	1.048E-01	8.017E-05	3.410E-06	1.048E-01	2.002E+01	3.573E-01	3.204E+00	2.097E-02
524262.3	4260187	1.513E+02	1.157E-01	8.847E-05	3.764E-06	1.157E-01	2.210E+01	3.944E-01	3.535E+00	2.314E-02
524272.3	4260187	1.670E+02	1.277E-01	9.764E-05	4.154E-06	1.277E-01	2.439E+01	4.352E-01	3.902E+00	2.554E-02
524282.3	4260187	1.843E+02	1.409E-01	1.078E-04	4.585E-06	1.409E-01	2.692E+01	4.804E-01	4.307E+00	2.819E-02
524142.3	4260197	4.724E+01	3.613E-02	2.763E-05	1.175E-06	3.613E-02	6.900E+00	1.232E-01	1.104E+00	7.226E-03
524152.3	4260197	5.186E+01	3.966E-02	3.033E-05	1.290E-06	3.966E-02	7.575E+00	1.352E-01	1.212E+00	7.933E-03
524162.3	4260197	5.704E+01	4.362E-02	3.336E-05	1.419E-06	4.362E-02	8.331E+00	1.487E-01	1.333E+00	8.724E-03
524172.3	4260197	6.277E+01	4.800E-02	3.671E-05	1.562E-06	4.800E-02	9.168E+00	1.636E-01	1.467E+00	9.601E-03
524182.3	4260197	6.914E+01	5.288E-02	4.044E-05	1.720E-06	5.288E-02	1.010E+01	1.803E-01	1.616E+00	1.058E-02
524192.3	4260197	7.627E+01	5.832E-02	4.460E-05	1.897E-06	5.833E-02	1.114E+01	1.988E-01	1.782E+00	1.167E-02
524202.3	4260197	8.421E+01	6.440E-02	4.925E-05	2.095E-06	6.440E-02	1.230E+01	2.195E-01	1.968E+00	1.288E-02
524212.3	4260197	9.303E+01	7.114E-02	5.441E-05	2.314E-06	7.115E-02	1.359E+01	2.425E-01	2.174E+00	1.423E-02
524222.3	4260197	1.032E+02	7.890E-02	6.034E-05	2.567E-06	7.890E-02	1.507E+01	2.690E-01	2.411E+00	1.578E-02
524232.3	4260197	1.146E+02	8.763E-02	6.702E-05	2.851E-06	8.764E-02	1.674E+01	2.987E-01	2.678E+00	1.753E-02
524242.3	4260197	1.268E+02	9.697E-02	7.415E-05	3.155E-06	9.697E-02	1.852E+01	3.305E-01	2.963E+00	1.939E-02
524252.3	4260197	1.396E+02	1.067E-01	8.163E-05	3.473E-06	1.068E-01	2.039E+01	3.639E-01	3.262E+00	2.135E-02
524262.3	4260197	1.536E+02	1.175E-01	8.984E-05	3.822E-06	1.175E-01	2.244E+01	4.004E-01	3.590E+00	2.349E-02
524272.3	4260197	1.692E+02	1.294E-01	9.894E-05	4.209E-06	1.294E-01	2.471E+01	4.410E-01	3.954E+00	2.588E-02
524282.3	4260197	1.863E+02	1.425E-01	1.090E-04	4.635E-06	1.425E-01	2.721E+01	4.857E-01	4.354E+00	2.850E-02
524142.3	4260207	4.969E+01	3.800E-02	2.906E-05	1.236E-06	3.800E-02	7.257E+00	1.295E-01	1.161E+00	7.600E-03
524152.3	4260207	5.447E+01	4.165E-02	3.185E-05	1.355E-06	4.165E-02	7.955E+00	1.420E-01	1.273E+00	8.331E-03
524162.3	4260207	5.980E+01	4.573E-02	3.497E-05	1.488E-06	4.573E-02	8.734E+00	1.559E-01	1.398E+00	9.147E-03
524172.3	4260207	6.567E+01	5.022E-02	3.840E-05	1.634E-06	5.022E-02	9.591E+00	1.712E-01	1.535E+00	1.004E-02
524182.3	4260207	7.214E+01	5.517E-02	4.219E-05	1.795E-06	5.517E-02	1.054E+01	1.881E-01	1.686E+00	1.103E-02
524192.3	4260207	7.934E+01	6.067E-02	4.640E-05	1.974E-06	6.067E-02	1.159E+01	2.068E-01	1.854E+00	1.213E-02
524202.3	4260207	8.729E+01	6.676E-02	5.105E-05	2.172E-06	6.676E-02	1.275E+01	2.276E-01	2.040E+00	1.335E-02
524212.3	4260207	9.604E+01	7.344E-02	5.617E-05	2.389E-06	7.345E-02	1.403E+01	2.504E-01	2.244E+00	1.469E-02
524222.3	4260207	1.061E+02	8.115E-02	6.206E-05	2.640E-06	8.115E-02	1.550E+01	2.766E-01	2.480E+00	1.623E-02
524232.3	4260207	1.173E+02	8.972E-02	6.862E-05	2.919E-06	8.973E-02	1.714E+01	3.059E-01	2.742E+00	1.795E-02
524242.3	4260207	1.294E+02	9.893E-02	7.565E-05	3.218E-06	9.893E-02	1.889E+01	3.372E-01	3.023E+00	1.979E-02
524252.3	4260207	1.421E+02	1.087E-01	8.311E-05	3.535E-06	1.087E-01	2.076E+01	3.704E-01	3.321E+00	2.173E-02
524262.3	4260207	1.560E+02	1.193E-01	9.123E-05	3.881E-06	1.193E-01	2.279E+01	4.067E-01	3.646E+00	2.386E-02
524272.3	4260207	1.714E+02	1.311E-01	1.003E-04	4.265E-06	1.311E-01	2.504E+01	4.469E-01	4.006E+00	2.622E-02
524282.3	4260207	1.886E+02	1.442E-01	1.103E-04	4.691E-06	1.442E-01	2.754E+01	4.916E-01	4.407E+00	2.884E-02
524142.3	4260217	5.223E+01	3.994E-02	3.055E-05	1.299E-06	3.994E-02	7.628E+00	1.362E-01	1.221E+00	7.989E-03
524152.3	4260217	5.711E+01	4.368E-02	3.340E-05	1.421E-06	4.368E-02	8.342E+00	1.489E-01	1.335E+00	8.736E-03
524162.3	4260217	6.254E+01	4.783E-02	3.657E-05	1.556E-06	4.783E-02	9.134E+00	1.630E-01	1.462E+00	9.565E-03
524172.3	4260217	6.848E+01	5.237E-02	4.005E-05	1.704E-06	5.238E-02	1.000E+01	1.785E-01	1.601E+00	1.048E-02
524182.3	4260217	7.504E+01	5.738E-02	4.388E-05	1.867E-06	5.738E-02	1.096E+01	1.956E-01	1.754E+00	1.148E-02
524192.3	4260217	8.228E+01	6.293E-02	4.812E-05	2.047E-06	6.293E-02	1.202E+01	2.145E-01	1.923E+00	1.259E-02
524202.3	42602									

524172.3	4260227	7.121E+01	5.446E-02	4.165E-05	1.772E-06	5.446E-02	1.040E+01	1.857E-01	1.664E+00	1.089E-02
524182.3	4260227	7.782E+01	5.952E-02	4.551E-05	1.936E-06	5.952E-02	1.137E+01	2.029E-01	1.819E+00	1.190E-02
524192.3	4260227	8.511E+01	6.508E-02	4.977E-05	2.117E-06	6.509E-02	1.243E+01	2.219E-01	1.989E+00	1.302E-02
524202.3	4260227	9.318E+01	7.126E-02	5.449E-05	2.318E-06	7.126E-02	1.361E+01	2.429E-01	2.178E+00	1.425E-02
524212.3	4260227	1.020E+02	7.800E-02	5.965E-05	2.537E-06	7.800E-02	1.490E+01	2.659E-01	2.384E+00	1.560E-02
524222.3	4260227	1.119E+02	8.554E-02	6.542E-05	2.783E-06	8.554E-02	1.634E+01	2.916E-01	2.614E+00	1.711E-02
524232.3	4260227	1.227E+02	9.380E-02	7.174E-05	3.052E-06	9.381E-02	1.792E+01	3.198E-01	2.867E+00	1.876E-02
524242.3	4260227	1.344E+02	1.028E-01	7.862E-05	3.344E-06	1.028E-01	1.963E+01	3.504E-01	3.142E+00	2.056E-02
524252.3	4260227	1.471E+02	1.125E-01	8.604E-05	3.660E-06	1.125E-01	2.149E+01	3.835E-01	3.438E+00	2.250E-02
524262.3	4260227	1.612E+02	1.232E-01	9.425E-05	4.009E-06	1.232E-01	2.354E+01	4.201E-01	3.766E+00	2.465E-02
524272.3	4260227	1.765E+02	1.350E-01	1.032E-04	4.391E-06	1.350E-01	2.578E+01	4.602E-01	4.125E+00	2.700E-02
524282.3	4260227	1.936E+02	1.481E-01	1.132E-04	4.817E-06	1.481E-01	2.828E+01	5.048E-01	4.525E+00	2.962E-02
524142.3	4260237	5.726E+01	4.379E-02	3.349E-05	1.425E-06	4.379E-02	8.363E+00	1.493E-01	1.338E+00	8.758E-03
524152.3	4260237	6.226E+01	4.762E-02	3.641E-05	1.549E-06	4.762E-02	9.094E+00	1.623E-01	1.455E+00	9.524E-03
524162.3	4260237	6.779E+01	5.184E-02	3.965E-05	1.687E-06	5.184E-02	9.901E+00	1.767E-01	1.584E+00	1.037E-02
524172.3	4260237	7.383E+01	5.646E-02	4.318E-05	1.837E-06	5.647E-02	1.078E+01	1.925E-01	1.726E+00	1.129E-02
524182.3	4260237	8.046E+01	6.153E-02	4.705E-05	2.002E-06	6.153E-02	1.175E+01	2.097E-01	1.880E+00	1.231E-02
524192.3	4260237	8.778E+01	6.713E-02	5.134E-05	2.184E-06	6.713E-02	1.282E+01	2.288E-01	2.051E+00	1.343E-02
524202.3	4260237	9.587E+01	7.332E-02	5.607E-05	2.385E-06	7.332E-02	1.400E+01	2.499E-01	2.241E+00	1.466E-02
524212.3	4260237	1.047E+02	8.008E-02	6.124E-05	2.605E-06	8.008E-02	1.529E+01	2.730E-01	2.447E+00	1.602E-02
524222.3	4260237	1.145E+02	8.753E-02	6.694E-05	2.847E-06	8.753E-02	1.672E+01	2.984E-01	2.675E+00	1.751E-02
524232.3	4260237	1.251E+02	9.568E-02	7.317E-05	3.113E-06	9.568E-02	1.827E+01	3.262E-01	2.924E+00	1.914E-02
524242.3	4260237	1.368E+02	1.046E-01	7.998E-05	3.402E-06	1.046E-01	1.997E+01	3.565E-01	3.196E+00	2.092E-02
524252.3	4260237	1.495E+02	1.143E-01	8.743E-05	3.719E-06	1.143E-01	2.183E+01	3.897E-01	3.494E+00	2.286E-02
524262.3	4260237	1.634E+02	1.250E-01	9.559E-05	4.066E-06	1.250E-01	2.387E+01	4.261E-01	3.820E+00	2.500E-02
524272.3	4260237	178.78193	1.367E-01	1.046E-04	4.448E-06	1.367E-01	2.611E+01	4.661E-01	4.178E+00	2.735E-02
524282.3	4260237	195.89834	1.498E-01	1.146E-04	4.874E-06	1.498E-01	2.861E+01	5.107E-01	4.578E+00	2.996E-02
524142.3	4260247	60.11709	4.597E-02	3.516E-05	1.496E-06	4.598E-02	8.781E+00	1.567E-01	1.405E+00	9.195E-03
524152.3	4260247	65.02656	4.973E-02	3.803E-05	1.618E-06	4.973E-02	9.498E+00	1.695E-01	1.520E+00	9.946E-03
524162.3	4260247	70.462	5.389E-02	4.121E-05	1.753E-06	5.389E-02	1.029E+01	1.837E-01	1.647E+00	1.078E-02
524172.3	4260247	76.49925	5.850E-02	4.474E-05	1.903E-06	5.850E-02	1.117E+01	1.994E-01	1.788E+00	1.170E-02
524182.3	4260247	83.12381	6.357E-02	4.861E-05	2.068E-06	6.357E-02	1.214E+01	2.167E-01	1.943E+00	1.271E-02
524192.3	4260247	90.4043	6.914E-02	5.287E-05	2.249E-06	6.914E-02	1.320E+01	2.357E-01	2.113E+00	1.383E-02
524202.3	4260247	98.51007	7.534E-02	5.761E-05	2.451E-06	7.534E-02	1.439E+01	2.568E-01	2.302E+00	1.507E-02
524212.3	4260247	107.31993	8.207E-02	6.276E-05	2.670E-06	8.208E-02	1.568E+01	2.798E-01	2.508E+00	1.642E-02
524222.3	4260247	117.03971	8.951E-02	6.845E-05	2.912E-06	8.951E-02	1.709E+01	3.051E-01	2.735E+00	1.790E-02
524232.3	4260247	127.62549	9.760E-02	7.464E-05	3.175E-06	9.760E-02	1.864E+01	3.327E-01	2.983E+00	1.952E-02
524242.3	4260247	139.21518	1.065E-01	8.142E-05	3.464E-06	1.065E-01	2.033E+01	3.629E-01	3.254E+00	2.129E-02
524252.3	4260247	151.8833	1.162E-01	8.883E-05	3.779E-06	1.162E-01	2.218E+01	3.960E-01	3.550E+00	2.323E-02
524262.3	4260247	165.77608	1.268E-01	9.695E-05	4.124E-06	1.268E-01	2.421E+01	4.322E-01	3.874E+00	2.536E-02
524272.3	4260247	181.15535	1.385E-01	1.059E-04	4.507E-06	1.385E-01	2.646E+01	4.723E-01	4.234E+00	2.771E-02
524282.3	4260247	198.22314	1.516E-01	1.159E-04	4.932E-06	1.516E-01	2.895E+01	5.168E-01	4.633E+00	3.032E-02
524142.3	4260257	63.27844	4.839E-02	3.701E-05	1.574E-06	4.839E-02	9.242E+00	1.650E-01	1.479E+00	9.679E-03
524152.3	4260257	67.88944	5.192E-02	3.970E-05	1.689E-06	5.192E-02	9.916E+00	1.770E-01	1.587E+00	1.038E-02
524162.3	4260257	73.10615	5.591E-02	4.276E-05	1.819E-06	5.591E-02	1.068E+01	1.906E-01	1.709E+00	1.118E-02
524172.3	4260257	79.06455	6.046E-02	4.624E-05	1.967E-06	6.047E-02	1.155E+01	2.061E-01	1.848E+00	1.209E-02
524182.3	4260257	85.63269	6.549E-02	5.008E-05	2.130E-06	6.549E-02	1.251E+01	2.232E-01	2.001E+00	1.310E-02
524192.3	4260257	92.89768	7.104E-02	5.433E-05	2.311E-06	7.105E-02	1.357E+01	2.422E-01	2.171E+00	1.421E-02
524202.3	4260257	100.9753	7.722E-02	5.905E-05	2.512E-06	7.722E-02	1.475E+01	2.632E-01	2.360E+00	1.544E-02
524212.3	4260257	109.73049	8.392E-02	6.417E-05	2.730E-06	8.392E-02	1.603E+01	2.861E-01	2.564E+00	1.678E-02
524222.3	4260257	119.3718	9.129E-02	6.981E-05	2.970E-06	9.129E-02	1.744E+01	3.112E-01	2.790E+00	1.826E-02
524232.3	4260257	129.93656	9.937E-02	7.599E-05	3.233E-06	9.937E-02	1.898E+01	3.387E-01	3.037E+00	1.987E-02
524242.3	4260257	141.39494	1.081E-01	8.269E-05	3.518E-06	1.081E-01	2.065E+01	3.686E-01	3.304E+00	2.163E-02
524252.3	4260257	153.94836	1.177E-01	9.004E-05	3.830E-06	1.177E-01	2.249E+01	4.013E-01	3.598E+00	2.355E-02
524262.3	4260257	167.74675	1.283E-01	9.810E-05	4.173E-06	1.283E-01	2.450E+01	4.373E-01	3.920E+00	2.566E-02
524272.3	4260257	182.97086	1.399E-01	1.070E-04	4.552E-06	1.399E-01	2.672E+01	4.770E-01	4.276E+00	2.799E-02
524282.3	4260257	199.82548	1.528E-01	1.169E-04	4.971E-06	1.528E-01	2.919E+01	5.209E-01	4.670E+00	3.056E-02
524204.7	4260013	19.33437	1.479E-02	1.131E-05	4.810E-07	1.479E-02	8.24E+00	5.040E-02	4.519E-01	2.957E-03
524203.4	4260005	17.80836	1.362E-02	1.042E-05	4.431E-07	1.362E-02	7.601E+00	4.643E-02	4.162E-01	2.724E-03
524204.7	4259998	16.89502	1.292E-02	9.881E-06	4.203E-07	1.292E-02	7.246E+00	4.404E-02	3.948E-01	2.584E-03
524204.4	4259988	15.64266	1.196E-02	9.148E-06	3.892E-07	1.196E-02	6.785E+00	4.078E-02	3.656E-01	2.393E-03
524189.1	4260004	15.64744	1.197E-02	9.151E-06	3.893E-07	1.197E-02	6.785E+00	4.079E-02	3.657E-01	2.393E-03
524189.4	4259994	14.46873	1.106E-02	8.462E-06	3.600E-07	1.107E-02	6.213E+00	3.772E-02	3.381E-01	2.213E-03
524190.8	4259983	13.57054	1.038E-02	7.937E-06	3.376E-07	1.038E-02	5.982E+00	3.538E-02	3.172E-01	2.076E-03
524246.8	4259946	18.06374	1.381E-02	1.056E-05	4.494E-07	1.381E-02	7.638E+00	4.709E-02	4.222E-01	2.763E-03
524255.3	4259930	18.87227	1.443E-02	1.104E-05	4.695E-07	1.443E-02	7.756E+00	4.920E-02	4.411E-01	2.887E-03
524250.5	4259938	18.24945	1.396E-02	1.067E-05	4.540E-07	1.396E-02	7.666E+00	4.758E-02	4.265E-01	2.791E-03
524232.5	4259936	15.22331	1.164E-02	8.903E-06	3.787E-07	1.164E-02	6.724E+00	3.969E-02	3.558E-01	2.328E-03
524220.5	4259938	13.83059	1.058E-02	8.089E-06	3.441E-07	1.058E-02	6.202E+00	3.606E-02	3.232E-01	2.115E-03
524212.6	4259950	13.50383	1.033E-02	7.898E-06	3.360E-07	1.033E-02	6.197E+00	3.520E-02	3.156E-01	2.065E-03
524206.3	4259958	13.28777	1.016E-02	7.771E-06	3.306E-07	1.016E-02	6.194E+00	3.464E-02	3.105E-01	2.032E-03
524199.4	4259957	12.62421	9.654E-03	7.383E-06	3.141E-07	9.655E-03	5.955E+00	3.291E-02	2.950E-01	1.931E-03
524188.3	4259954	11.60033	8.871E-03	6.784E-06	2.886E-07	8.872E-03	5.694E+00	3.024E-02	2.711E-01	1.774E-03
524196.9	4259946	11.92832	9.122E-03	6.976E-06	2.968E-07	9.122E-03	5.742E+00	3.110E-02	2.788E-01	1.824E-03
524203.7	4259948	12.55469	9.601E-03	7.342E-06	3.123E-07	9.601E-03	5.834E+00	3.273E-02	2.934E-01	1.920E-03
524199.4	4259935	11.72428	8.966E-03	6.857E-06	2.917E-07	8.966E-03	5.712E+00	3.056E-02	2.740E-01	1.793E-03
524206.6	4259925	12.05939	9.222E-03	7.053E-06	3.000E-07	9.223E-03	5.761E+00	3.144E-02	2.818E-01	1.845E-03
524213.1	4259918	12.50918	9.566E-03	7.316E-06	3.112E-07	9.567E-03	5.827E+00	3.261E-02	2.923E-01	1.913E-03
524241.9	4259920	16.14925	1.235E-02	9.445E-06	4.018E-07	1.235E-02	7.359E+00	4.210E-02	3.774E-01	2.470E-03
524216	4259908	12.62977	7.386E-03	6.386E-06</						

524243.9	4259835	15.90722	1.217E-02	9.303E-06	3.958E-07	1.217E-02	2.323E+00	4.147E-02	3.718E-01	2.433E-03
524250.5	4259824	16.88019	1.291E-02	9.872E-06	4.200E-07	1.291E-02	2.466E+00	4.401E-02	3.945E-01	2.582E-03
524243.6	4259822	15.74828	1.204E-02	9.210E-06	3.918E-07	1.204E-02	2.300E+00	4.105E-02	3.680E-01	2.409E-03
524232.8	4259816	14.11291	1.079E-02	8.254E-06	3.511E-07	1.079E-02	2.061E+00	3.679E-02	3.298E-01	2.159E-03
524225.1	4259826	13.15392	1.006E-02	7.693E-06	3.273E-07	1.006E-02	1.921E+00	3.429E-02	3.074E-01	2.012E-03
524218.3	4259837	12.389	9.474E-03	7.246E-06	3.082E-07	9.475E-03	1.810E+00	3.230E-02	2.895E-01	1.895E-03
524210.6	4259847	11.61325	8.881E-03	6.792E-06	2.889E-07	8.882E-03	1.696E+00	3.028E-02	2.714E-01	1.776E-03
524202	4259858	10.86601	8.310E-03	6.355E-06	2.703E-07	8.310E-03	1.587E+00	2.833E-02	2.539E-01	1.662E-03
524265.8	4259728	17.60845	1.347E-02	1.030E-05	4.381E-07	1.347E-02	2.572E+00	4.590E-02	4.115E-01	2.693E-03
524273.5	4259714	18.31944	1.401E-02	1.071E-05	4.558E-07	1.401E-02	2.676E+00	4.776E-02	4.281E-01	2.802E-03
524276.9	4259699	18.35182	1.403E-02	1.073E-05	4.566E-07	1.403E-02	2.680E+00	4.784E-02	4.289E-01	2.807E-03
524260.9	4259694	16.2141	1.240E-02	9.483E-06	4.034E-07	1.240E-02	2.368E+00	4.227E-02	3.789E-01	2.480E-03
524251.8	4259711	15.45701	1.182E-02	9.040E-06	3.846E-07	1.182E-02	2.258E+00	4.030E-02	3.612E-01	2.364E-03
524250.7	4259723	15.51003	1.186E-02	9.071E-06	3.859E-07	1.186E-02	2.265E+00	4.043E-02	3.625E-01	2.372E-03
524265.2	4259621	15.04351	1.150E-02	8.798E-06	3.743E-07	1.150E-02	2.197E+00	3.922E-02	3.516E-01	2.301E-03
524284.9	4259588	15.9998	1.224E-02	9.357E-06	3.981E-07	1.224E-02	2.337E+00	4.171E-02	3.739E-01	2.447E-03
524305.7	4259555	16.71097	1.278E-02	9.773E-06	4.158E-07	1.278E-02	2.441E+00	4.356E-02	3.905E-01	2.556E-03
524315.1	4259565	17.93953	1.372E-02	1.049E-05	4.463E-07	1.372E-02	2.620E+00	4.677E-02	4.193E-01	2.744E-03
524304	4259604	18.37663	1.405E-02	1.075E-05	4.572E-07	1.405E-02	2.684E+00	4.791E-02	4.295E-01	2.811E-03
524638	4260128	64.98125	4.969E-02	3.800E-05	1.617E-06	4.970E-02	9.491E+00	1.694E-01	1.519E+00	9.939E-03
524645.9	4260114	48.18159	3.685E-02	2.818E-05	1.199E-06	3.685E-02	7.037E+00	1.256E-01	1.126E+00	7.370E-03
524647.1	4260105	52.48543	4.014E-02	3.070E-05	1.306E-06	4.014E-02	7.666E+00	1.368E-01	1.227E+00	8.028E-03
524662.5	4260078	55.34444	4.232E-02	3.237E-05	1.377E-06	4.233E-02	8.084E+00	1.443E-01	1.293E+00	8.465E-03
524692.1	4260054	49.82181	3.810E-02	2.914E-05	1.240E-06	3.810E-02	7.277E+00	1.299E-01	1.164E+00	7.620E-03
524752.6	4260051	56.17695	4.296E-02	3.285E-05	1.398E-06	4.296E-02	8.205E+00	1.465E-01	1.313E+00	8.593E-03
524338.9	4260405	180.99619	1.384E-01	1.059E-04	4.503E-06	1.384E-01	2.644E+01	4.718E-01	4.230E+00	2.768E-02
524441.4	4260404	49.09915	3.755E-02	2.872E-05	1.222E-06	3.755E-02	7.171E+00	1.280E-01	1.147E+00	7.510E-03
524539	4260370	18.02405	1.378E-02	1.054E-05	4.484E-07	1.378E-02	2.633E+00	4.699E-02	4.212E-01	2.757E-03
524566.4	4260357	16.65195	1.273E-02	9.739E-06	4.143E-07	1.273E-02	2.432E+00	4.341E-02	3.892E-01	2.547E-03
524530.2	4260390	17.48023	1.337E-02	1.022E-05	4.349E-07	1.337E-02	2.553E+00	4.575E-02	4.085E-01	2.674E-03
524498.3	4260239	198.77532	1.520E-01	1.163E-04	4.945E-06	1.520E-01	2.903E+01	5.182E-01	4.646E+00	3.040E-02
524477.4	4260263	215.87822	1.651E-01	1.263E-04	5.371E-06	1.651E-01	3.153E+01	5.628E-01	5.045E+00	3.302E-02
524494.8	4260256	194.2484	1.486E-01	1.136E-04	4.833E-06	1.486E-01	2.837E+01	5.064E-01	4.540E+00	2.971E-02
524515.7	4260222	178.35986	1.364E-01	1.043E-04	4.437E-06	1.364E-01	2.605E+01	4.650E-01	4.168E+00	2.728E-02
524519.7	4260239	168.66669	1.290E-01	9.864E-05	4.196E-06	1.290E-01	2.464E+01	4.397E-01	3.942E+00	2.580E-02
524519.2	4260249	163.40191	1.250E-01	9.556E-05	4.065E-06	1.250E-01	2.387E+01	4.260E-01	3.819E+00	2.499E-02
524529	4260211	163.94729	1.254E-01	9.588E-05	4.079E-06	1.254E-01	2.395E+01	4.274E-01	3.832E+00	2.508E-02
524535.4	4260222	152.49309	1.166E-01	8.918E-05	3.794E-06	1.166E-01	2.227E+01	3.975E-01	3.564E+00	2.332E-02
524534.2	4260237	148.30885	1.134E-01	8.674E-05	3.690E-06	1.134E-01	2.166E+01	3.866E-01	3.466E+00	2.268E-02
524547	4260197	139.50533	1.067E-01	8.159E-05	3.471E-06	1.067E-01	2.038E+01	3.637E-01	3.260E+00	2.134E-02
524547	4260211	140.07729	1.071E-01	8.192E-05	3.485E-06	1.071E-01	2.046E+01	3.652E-01	3.274E+00	2.143E-02
524549.9	4260224	133.34804	1.020E-01	7.799E-05	3.318E-06	1.020E-01	1.948E+01	3.476E-01	3.116E+00	2.040E-02
524560.3	4260187	125.26162	9.579E-02	7.326E-05	3.116E-06	9.580E-02	1.830E+01	3.266E-01	2.927E+00	1.916E-02
524569	4260204	117.29912	8.970E-02	6.860E-05	2.918E-06	8.971E-02	1.713E+01	3.058E-01	2.741E+00	1.794E-02
524580	4260181	113.78087	8.701E-02	6.654E-05	2.831E-06	8.702E-02	1.662E+01	2.966E-01	2.659E+00	1.740E-02
524580	4260198	109.63724	8.384E-02	6.412E-05	2.728E-06	8.385E-02	1.601E+01	2.858E-01	2.562E+00	1.677E-02
524588.1	4260163	107.37521	8.212E-02	6.280E-05	2.671E-06	8.212E-02	1.568E+01	2.799E-01	2.509E+00	1.642E-02
524598.6	4260183	100.52243	7.687E-02	5.879E-05	2.501E-06	7.688E-02	1.468E+01	2.621E-01	2.349E+00	1.538E-02
524596.3	4260170	103.99289	7.953E-02	6.082E-05	2.587E-06	7.953E-02	1.519E+01	2.711E-01	2.430E+00	1.591E-02
524290.8	4259394	11.62831	8.893E-03	6.801E-06	2.893E-07	8.893E-03	1.698E+00	3.031E-02	2.718E-01	1.779E-03
524300.9	4259318	10.56846	8.082E-03	6.181E-06	2.629E-07	8.082E-03	1.544E+00	2.755E-02	2.470E-01	1.616E-03
524313.2	4259257	9.91889	7.585E-03	5.801E-06	2.468E-07	7.586E-03	1.449E+00	2.586E-02	2.318E-01	1.517E-03
524355.4	4259275	11.7506	8.986E-03	6.872E-06	2.923E-07	8.987E-03	1.716E+00	3.063E-02	2.746E-01	1.797E-03
524363.7	4259262	11.77964	9.008E-03	6.889E-06	2.931E-07	9.009E-03	1.721E+00	3.071E-02	2.753E-01	1.802E-03
524374.4	4259248	11.89994	9.100E-03	6.960E-06	2.961E-07	9.101E-03	1.738E+00	3.102E-02	2.781E-01	1.820E-03
524317.9	4259219	9.44856	7.226E-03	5.526E-06	2.351E-07	7.226E-03	1.380E+00	2.463E-02	2.208E-01	1.445E-03
524384.5	4259228	11.84198	9.056E-03	6.926E-06	2.946E-07	9.056E-03	1.730E+00	3.087E-02	2.768E-01	1.811E-03
524333.2	4259184	9.35128	7.151E-03	5.469E-06	2.327E-07	7.152E-03	1.366E+00	2.438E-02	2.185E-01	1.430E-03
524398.6	4259201	11.76	8.993E-03	6.878E-06	2.926E-07	8.994E-03	1.718E+00	3.066E-02	2.748E-01	1.799E-03
524358.7	4259346	13.6193	1.042E-02	7.965E-06	3.388E-07	1.042E-02	1.989E+00	3.550E-02	3.183E-01	2.083E-03
524368.4	4259315	13.25502	1.014E-02	7.752E-06	3.298E-07	1.014E-02	1.936E+00	3.456E-02	3.098E-01	2.027E-03
524387.4	4259292	13.50522	1.033E-02	7.898E-06	3.360E-07	1.033E-02	1.973E+00	3.521E-02	3.156E-01	2.066E-03

Emerald Isle Condominium Project

Estimation of Annual Average PM2.5

Unmitigated

Annual Average Onsite Dust Emission Rate: 1.595E-08
 Multiplication Factor 0.0001
 Annual Average Offsite Dust Emission Rate 4.295E-05
 Multiplication Factor 0.0001

								MAX Annual PM2.5 (ug/m3) 1.918E-01	
X (x)	Y (x)	Onsite	Onsite	Offsite	Offsite	Fugitive Dust	Exhaust	Total	
		Annual Dust Exhaust w/Unit Emissions (ug/m3)	Annual Dust Exhaust w/Actual Emissions (ug/m3)	Annual Dust Exhaust w/Unit Emissions (ug/m3)	Annual Dust Exhaust w/Actual Emissions (ug/m3)	Total (ug/m3)	Total (ug/m3)	PM2.5 (ug/m3)	
524142.3	4260057	2.107E+01	3.361E-03	1.058E-02	4.544E-03	7.905E-03	1.309E-02	2.100E-02	
524152.3	4260057	2.396E+01	3.822E-03	9.010E-03	3.870E-03	7.692E-03	1.395E-02	2.164E-02	
524162.3	4260057	2.794E+01	4.457E-03	7.000E-03	3.006E-03	7.463E-03	1.539E-02	2.285E-02	
524172.3	4260057	3.147E+01	5.019E-03	6.580E-03	2.826E-03	7.845E-03	1.695E-02	2.479E-02	
524182.3	4260057	3.505E+01	5.590E-03	6.580E-03	2.826E-03	8.416E-03	1.872E-02	2.714E-02	
524192.3	4260057	3.955E+01	6.308E-03	6.530E-03	2.805E-03	9.113E-03	2.085E-02	2.996E-02	
524202.3	4260057	4.550E+01	7.257E-03	6.350E-03	2.727E-03	9.985E-03	2.343E-02	3.342E-02	
524212.3	4260057	5.292E+01	8.442E-03	6.260E-03	2.689E-03	1.113E-02	2.656E-02	3.769E-02	
524222.3	4260057	6.163E+01	9.830E-03	6.460E-03	2.775E-03	1.260E-02	3.032E-02	4.293E-02	
524232.3	4260057	7.309E+01	1.166E-02	6.730E-03	2.890E-03	1.455E-02	3.499E-02	4.953E-02	
524242.3	4260057	8.845E+01	1.411E-02	7.120E-03	3.058E-03	1.717E-02	4.081E-02	5.797E-02	
524252.3	4260057	1.102E+02	1.758E-02	7.400E-03	3.178E-03	2.075E-02	4.818E-02	6.894E-02	
524262.3	4260057	1.399E+02	2.232E-02	7.640E-03	3.281E-03	2.560E-02	5.749E-02	8.310E-02	
524272.3	4260057	1.802E+02	2.875E-02	8.020E-03	3.445E-03	3.219E-02	6.923E-02	1.014E-01	
524282.3	4260057	2.379E+02	3.795E-02	8.220E-03	3.530E-03	4.148E-02	8.405E-02	1.255E-01	
524142.3	4260067	2.290E+01	3.653E-03	8.810E-03	3.784E-03	7.436E-03	1.388E-02	2.131E-02	
524152.3	4260067	2.647E+01	4.221E-03	7.500E-03	3.221E-03	7.443E-03	1.528E-02	2.272E-02	
524162.3	4260067	3.141E+01	5.009E-03	5.960E-03	2.560E-03	7.569E-03	1.697E-02	2.454E-02	
524172.3	4260067	3.571E+01	5.696E-03	5.590E-03	2.401E-03	8.097E-03	1.879E-02	2.689E-02	
524182.3	4260067	4.034E+01	6.435E-03	5.460E-03	2.345E-03	8.780E-03	2.087E-02	2.965E-02	
524192.3	4260067	4.572E+01	7.292E-03	5.430E-03	2.332E-03	9.624E-03	2.332E-02	3.294E-02	
524202.3	4260067	5.282E+01	8.425E-03	5.330E-03	2.289E-03	1.071E-02	2.629E-02	3.701E-02	
524212.3	4260067	6.166E+01	9.836E-03	5.220E-03	2.242E-03	1.208E-02	2.989E-02	4.196E-02	
524222.3	4260067	7.243E+01	1.155E-02	5.290E-03	2.272E-03	1.383E-02	3.422E-02	4.804E-02	
524232.3	4260067	8.566E+01	1.366E-02	5.560E-03	2.388E-03	1.605E-02	3.947E-02	5.552E-02	
524242.3	4260067	1.032E+02	1.646E-02	5.820E-03	2.500E-03	1.896E-02	4.599E-02	6.496E-02	
524252.3	4260067	1.277E+02	2.037E-02	5.980E-03	2.568E-03	2.294E-02	5.420E-02	7.713E-02	
524262.3	4260067	1.595E+02	2.544E-02	6.180E-03	2.654E-03	2.809E-02	6.433E-02	9.242E-02	
524272.3	4260067	2.025E+02	3.231E-02	6.280E-03	2.697E-03	3.500E-02	7.697E-02	1.120E-01	
524282.3	4260067	2.621E+02	4.181E-02	6.100E-03	2.620E-03	4.443E-02	9.263E-02	1.371E-01	
524142.3	4260077	2.500E+01	3.987E-03	7.400E-03	3.178E-03	7.165E-03	1.515E-02	2.231E-02	
524152.3	4260077	2.930E+01	4.674E-03	6.320E-03	2.714E-03	7.388E-03	1.676E-02	2.415E-02	
524162.3	4260077	3.529E+01	5.629E-03	5.090E-03	2.186E-03	7.815E-03	1.875E-02	2.657E-02	
524172.3	4260077	4.057E+01	6.471E-03	4.580E-03	1.967E-03	8.438E-03	2.089E-02	2.933E-02	
524182.3	4260077	4.599E+01	7.336E-03	4.470E-03	1.920E-03	9.255E-03	2.327E-02	3.253E-02	
524192.3	4260077	5.275E+01	8.415E-03	4.350E-03	1.868E-03	1.028E-02	2.613E-02	3.641E-02	
524202.3	4260077	6.103E+01	9.735E-03	4.280E-03	1.838E-03	1.157E-02	2.954E-02	4.111E-02	
524212.3	4260077	7.127E+01	1.137E-02	4.270E-03	1.834E-03	1.320E-02	3.364E-02	4.684E-02	
524222.3	4260077	8.351E+01	1.332E-02	4.400E-03	1.890E-03	1.521E-02	3.849E-02	5.370E-02	
524232.3	4260077	9.895E+01	1.578E-02	4.580E-03	1.967E-03	1.775E-02	4.438E-02	6.213E-02	
524242.3	4260077	1.186E+02	1.892E-02	4.790E-03	2.057E-03	2.097E-02	5.156E-02	7.253E-02	
524252.3	4260077	1.445E+02	2.304E-02	4.930E-03	2.117E-03	2.516E-02	6.043E-02	8.559E-02	
524262.3	4260077	1.782E+02	2.842E-02	5.000E-03	2.147E-03	3.057E-02	7.129E-02	1.019E-01	
524272.3	4260077	2.226E+02	3.550E-02	4.920E-03	2.113E-03	3.762E-02	8.458E-02	1.222E-01	
524282.3	4260077	2.818E+02	4.495E-02	4.620E-03	1.984E-03	4.693E-02	1.006E-01	1.476E-01	
524142.3	4260087	2.710E+01	4.323E-03	6.540E-03	2.809E-03	7.132E-03	1.651E-02	2.364E-02	
524152.3	4260087	3.181E+01	5.074E-03	5.740E-03	2.465E-03	7.540E-03	1.833E-02	2.587E-02	
524162.3	4260087	3.837E+01	6.120E-03	4.740E-03	2.036E-03	8.155E-03	2.055E-02	2.870E-02	
524172.3	4260087	4.438E+01	7.079E-03	4.250E-03	1.825E-03	8.904E-03	2.298E-02	3.188E-02	
524182.3	4260087	5.079E+01	8.101E-03	4.060E-03	1.744E-03	9.845E-03	2.572E-02	3.557E-02	
524192.3	4260087	5.851E+01	9.333E-03	3.933E-03	1.688E-03	1.102E-02	2.898E-02	4.000E-02	
524202.3	4260087	6.788E+01	1.083E-02	3.840E-03	1.649E-03	1.248E-02	3.286E-02	4.533E-02	
524212.3	4260087	7.931E+01	1.265E-02	3.780E-03	1.623E-03	1.427E-02	3.751E-02	5.179E-02	
524222.3	4260087	9.298E+01	1.483E-02	3.820E-03	1.641E-03	1.647E-02	4.297E-02	5.944E-02	
524232.3	4260087	1.100E+02	1.755E-02	3.890E-03	1.671E-03	1.922E-02	4.954E-02	6.876E-02	

524242.3	4260087	1.314E+02	2.096E-02	3.960E-03	1.701E-03	2.266E-02	5.748E-02	8.014E-02
524252.3	4260087	1.585E+02	2.527E-02	3.990E-03	1.714E-03	2.699E-02	6.709E-02	9.407E-02
524262.3	4260087	1.930E+02	3.078E-02	3.980E-03	1.709E-03	3.249E-02	7.853E-02	1.110E-01
524272.3	4260087	2.374E+02	3.787E-02	3.890E-03	1.671E-03	3.954E-02	9.206E-02	1.316E-01
524282.3	4260087	2.946E+02	4.699E-02	3.670E-03	1.576E-03	4.857E-02	1.079E-01	1.564E-01
524142.3	4260097	2.938E+01	4.687E-03	5.850E-03	2.513E-03	7.199E-02	1.800E-02	2.519E-02
524152.3	4260097	3.401E+01	5.424E-03	5.460E-03	2.345E-03	7.769E-03	1.996E-02	2.773E-02
524162.3	4260097	4.035E+01	6.437E-03	4.740E-03	2.036E-03	8.472E-03	2.232E-02	3.079E-02
524172.3	4260097	4.680E+01	7.465E-03	4.380E-03	1.881E-03	9.347E-03	2.496E-02	3.431E-02
524182.3	4260097	5.392E+01	8.600E-03	4.150E-03	1.782E-03	1.038E-02	2.800E-02	3.838E-02
524192.3	4260097	6.279E+01	1.002E-02	3.870E-03	1.662E-03	1.168E-02	3.163E-02	4.331E-02
524202.3	4260097	7.352E+01	1.173E-02	3.690E-03	1.585E-03	1.331E-02	3.597E-02	4.928E-02
524212.3	4260097	8.639E+01	1.378E-02	3.550E-03	1.525E-03	1.530E-02	4.117E-02	5.647E-02
524222.3	4260097	1.012E+02	1.614E-02	3.470E-03	1.490E-03	1.763E-02	4.735E-02	6.498E-02
524232.3	4260097	1.187E+02	1.893E-02	3.350E-03	1.439E-03	2.037E-02	5.493E-02	7.530E-02
524242.3	4260097	1.401E+02	2.235E-02	3.290E-03	1.413E-03	2.376E-02	6.382E-02	8.758E-02
524252.3	4260097	1.672E+02	2.667E-02	3.260E-03	1.400E-03	2.807E-02	7.411E-02	1.022E-01
524262.3	4260097	2.007E+02	3.202E-02	3.150E-03	1.353E-03	3.337E-02	8.634E-02	1.197E-01
524272.3	4260097	2.464E+02	3.930E-02	3.140E-03	1.349E-03	4.065E-02	9.930E-02	1.400E-01
524282.3	4260097	3.028E+02	4.829E-02	3.010E-03	1.293E-03	4.959E-02	1.144E-01	1.640E-01
524142.3	4260107	3.175E+01	5.065E-03	5.310E-03	2.281E-03	7.346E-02	1.958E-02	2.692E-02
524152.3	4260107	3.649E+01	5.820E-03	5.120E-03	2.199E-03	8.019E-03	2.172E-02	2.973E-02
524162.3	4260107	4.244E+01	6.770E-03	4.710E-03	2.023E-03	8.792E-03	2.422E-02	3.301E-02
524172.3	4260107	4.915E+01	7.839E-03	4.380E-03	1.881E-03	9.720E-03	2.708E-02	3.680E-02
524182.3	4260107	5.713E+01	9.113E-03	4.100E-03	1.761E-03	1.087E-02	3.043E-02	4.131E-02
524192.3	4260107	6.719E+01	1.072E-02	3.800E-03	1.632E-03	1.235E-02	3.443E-02	4.678E-02
524202.3	4260107	7.935E+01	1.266E-02	3.510E-03	1.508E-03	1.416E-02	3.922E-02	5.338E-02
524212.3	4260107	9.366E+01	1.494E-02	3.300E-03	1.417E-03	1.636E-02	4.497E-02	6.132E-02
524222.3	4260107	1.091E+02	1.740E-02	3.110E-03	1.336E-03	1.874E-02	5.194E-02	7.068E-02
524232.3	4260107	1.264E+02	2.017E-02	2.930E-03	1.258E-03	2.143E-02	6.046E-02	8.188E-02
524242.3	4260107	1.470E+02	2.345E-02	2.790E-03	1.198E-03	2.465E-02	7.046E-02	9.511E-02
524252.3	4260107	1.729E+02	2.757E-02	2.690E-03	1.155E-03	2.873E-02	8.165E-02	1.104E-01
524262.3	4260107	2.047E+02	3.265E-02	2.560E-03	1.099E-03	3.375E-02	9.448E-02	1.282E-01
524272.3	4260107	2.521E+02	4.020E-02	2.580E-03	1.108E-03	4.131E-02	1.064E-01	1.477E-01
524282.3	4260107	3.090E+02	4.929E-02	2.570E-03	1.104E-03	5.039E-02	1.202E-01	1.706E-01
524142.3	4260117	3.427E+01	5.467E-03	4.850E-03	2.083E-03	7.550E-02	2.126E-02	2.881E-02
524152.3	4260117	3.890E+01	6.205E-03	4.870E-03	2.092E-03	8.296E-03	2.354E-02	3.184E-02
524162.3	4260117	4.457E+01	7.109E-03	4.670E-03	2.006E-03	9.114E-03	2.620E-02	3.532E-02
524172.3	4260117	5.118E+01	8.163E-03	4.420E-03	1.898E-03	1.006E-02	2.926E-02	3.932E-02
524182.3	4260117	5.951E+01	9.492E-03	4.120E-03	1.770E-03	1.126E-02	3.287E-02	4.413E-02
524192.3	4260117	6.951E+01	1.109E-02	3.870E-03	1.662E-03	1.275E-02	3.708E-02	4.983E-02
524202.3	4260117	8.295E+01	1.323E-02	3.550E-03	1.525E-03	1.476E-02	4.218E-02	5.694E-02
524212.3	4260117	9.920E+01	1.582E-02	3.230E-03	1.387E-03	1.721E-02	4.831E-02	6.552E-02
524222.3	4260117	1.173E+02	1.870E-02	2.950E-03	1.267E-03	1.997E-02	5.584E-02	7.581E-02
524232.3	4260117	1.346E+02	2.148E-02	2.660E-03	1.142E-03	2.262E-02	6.537E-02	8.799E-02
524242.3	4260117	1.544E+02	2.462E-02	2.460E-03	1.057E-03	2.568E-02	7.639E-02	1.021E-01
524252.3	4260117	1.791E+02	2.856E-02	2.330E-03	1.001E-03	2.956E-02	8.837E-02	1.179E-01
524262.3	4260117	2.075E+02	3.310E-02	2.150E-03	9.234E-04	3.402E-02	1.025E-01	1.365E-01
524272.3	4260117	2.570E+02	4.099E-02	2.210E-03	9.492E-04	4.194E-02	1.127E-01	1.546E-01
524282.3	4260117	3.137E+02	5.004E-02	2.230E-03	9.578E-04	5.100E-02	1.254E-01	1.764E-01
524142.3	4260127	3.685E+01	5.877E-03	4.470E-03	1.920E-03	7.797E-02	2.301E-02	3.081E-02
524152.3	4260127	4.137E+01	6.599E-03	4.610E-03	1.980E-03	8.579E-03	2.544E-02	3.402E-02
524162.3	4260127	4.671E+01	7.450E-03	4.590E-03	1.971E-03	9.421E-03	2.824E-02	3.766E-02
524172.3	4260127	5.303E+01	8.458E-03	4.450E-03	1.911E-03	1.037E-02	3.148E-02	4.184E-02
524182.3	4260127	6.057E+01	9.661E-03	4.270E-03	1.834E-03	1.150E-02	3.522E-02	4.672E-02
524192.3	4260127	7.010E+01	1.118E-02	4.030E-03	1.731E-03	1.291E-02	3.962E-02	5.254E-02
524202.3	4260127	8.356E+01	1.333E-02	3.660E-03	1.572E-03	1.490E-02	4.494E-02	5.984E-02
524212.3	4260127	1.009E+02	1.609E-02	3.330E-03	1.430E-03	1.752E-02	5.126E-02	6.878E-02
524222.3	4260127	1.230E+02	1.961E-02	2.920E-03	1.254E-03	2.087E-02	5.902E-02	7.988E-02
524232.3	4260127	1.442E+02	2.300E-02	2.560E-03	1.099E-03	2.410E-02	6.882E-02	9.292E-02
524242.3	4260127	1.642E+02	2.619E-02	2.300E-03	9.878E-04	2.718E-02	8.049E-02	1.077E-01
524252.3	4260127	1.872E+02	2.986E-02	2.100E-03	9.019E-04	3.076E-02	9.354E-02	1.243E-01
524262.3	4260127	2.141E+02	3.415E-02	1.910E-03	8.203E-04	3.497E-02	1.082E-01	1.432E-01
524272.3	4260127	2.632E+02	4.199E-02	1.970E-03	8.461E-04	4.283E-02	1.176E-01	1.604E-01
524282.3	4260127	3.180E+02	5.071E-02	2.010E-03	8.633E-04	5.158E-02	1.296E-01	1.811E-01
524142.3	4260137	3.952E+01	6.304E-03	4.120E-03	1.770E-03	8.074E-02	2.484E-02	3.291E-02
524152.3	4260137	4.399E+01	7.017E-03	4.330E-03	1.860E-03	8.876E-03	2.741E-02	3.629E-02
524162.3	4260137	4.917E+01	7.843E-03	4.390E-03	1.885E-03	9.728E-03	3.035E-02	4.008E-02
524172.3	4260137	5.541E+01	8.838E-03	4.310E-03	1.851E-03	1.069E-02	3.376E-02	4.445E-02
524182.3	4260137	6.273E+01	1.001E-02	4.170E-03	1.791E-03	1.180E-02	3.767E-02	4.947E-02
524192.3	4260137	7.181E+01	1.145E-02	3.990E-03	1.714E-03	1.317E-02	4.225E-02	5.542E-02

524202.3	4260137	8.466E+01	1.350E-02	3.670E-03	1.576E-03	1.508E-02	4.776E-02	6.284E-02
524212.3	4260137	1.012E+02	1.614E-02	3.330E-03	1.430E-03	1.757E-02	5.421E-02	7.178E-02
524222.3	4260137	1.255E+02	2.002E-02	2.890E-03	1.241E-03	2.126E-02	6.218E-02	8.344E-02
524232.3	4260137	1.524E+02	2.430E-02	2.460E-03	1.057E-03	2.536E-02	7.216E-02	9.751E-02
524242.3	4260137	1.731E+02	2.760E-02	2.150E-03	9.234E-04	2.853E-02	8.429E-02	1.128E-01
524252.3	4260137	1.952E+02	3.113E-02	1.920E-03	8.246E-04	3.196E-02	9.797E-02	1.299E-01
524262.3	4260137	2.186E+02	3.486E-02	1.710E-03	7.344E-04	3.559E-02	1.142E-01	1.498E-01
524272.3	4260137	2.676E+02	4.268E-02	1.760E-03	7.559E-04	4.344E-02	1.224E-01	1.658E-01
524282.3	4260137	3.210E+02	5.120E-02	1.820E-03	7.817E-04	5.198E-02	1.335E-01	1.855E-01
524142.3	4260147	4.214E+01	6.721E-03	3.820E-03	1.641E-03	8.362E-03	2.670E-02	3.506E-02
524152.3	4260147	4.672E+01	7.452E-03	4.000E-03	1.718E-03	9.170E-03	2.942E-02	3.859E-02
524162.3	4260147	5.202E+01	8.297E-03	4.060E-03	1.744E-03	1.004E-02	3.253E-02	4.257E-02
524172.3	4260147	5.841E+01	9.316E-03	3.990E-03	1.714E-03	1.103E-02	3.612E-02	4.715E-02
524182.3	4260147	6.575E+01	1.049E-02	3.850E-03	1.654E-03	1.214E-02	4.020E-02	5.235E-02
524192.3	4260147	7.500E+01	1.196E-02	3.730E-03	1.602E-03	1.356E-02	4.499E-02	5.856E-02
524202.3	4260147	8.730E+01	1.393E-02	3.520E-03	1.512E-03	1.544E-02	5.067E-02	6.610E-02
524212.3	4260147	1.035E+02	1.651E-02	3.220E-03	1.383E-03	1.789E-02	5.730E-02	7.520E-02
524222.3	4260147	1.274E+02	2.031E-02	2.810E-03	1.207E-03	2.152E-02	6.534E-02	8.686E-02
524232.3	4260147	1.573E+02	2.509E-02	2.370E-03	1.018E-03	2.611E-02	7.521E-02	1.013E-01
524242.3	4260147	1.818E+02	2.901E-02	2.050E-03	8.805E-04	2.989E-02	8.710E-02	1.170E-01
524252.3	4260147	2.049E+02	3.269E-02	1.820E-03	7.817E-04	3.347E-02	1.006E-01	1.341E-01
524262.3	4260147	2.295E+02	3.661E-02	1.620E-03	6.958E-04	3.731E-02	1.160E-01	1.533E-01
524272.3	4260147	2.752E+02	4.390E-02	1.660E-03	7.130E-04	4.461E-02	1.249E-01	1.695E-01
524282.3	4260147	3.238E+02	5.165E-02	1.700E-03	7.301E-04	5.238E-02	1.363E-01	1.887E-01
524142.3	4260157	4.475E+01	7.137E-03	3.540E-03	1.520E-03	8.658E-03	2.858E-02	3.724E-02
524152.3	4260157	4.965E+01	7.919E-03	3.690E-03	1.585E-03	9.504E-03	3.149E-02	4.099E-02
524162.3	4260157	5.536E+01	8.830E-03	3.740E-03	1.606E-03	1.044E-02	3.480E-02	4.523E-02
524172.3	4260157	6.196E+01	9.883E-03	3.670E-03	1.576E-03	1.146E-02	3.856E-02	5.002E-02
524182.3	4260157	6.969E+01	1.112E-02	3.550E-03	1.525E-03	1.264E-02	4.286E-02	5.550E-02
524192.3	4260157	7.922E+01	1.264E-02	3.430E-03	1.473E-03	1.411E-02	4.784E-02	6.195E-02
524202.3	4260157	9.154E+01	1.460E-02	3.270E-03	1.404E-03	1.601E-02	5.368E-02	6.968E-02
524212.3	4260157	1.073E+02	1.712E-02	3.020E-03	1.297E-03	1.841E-02	6.044E-02	7.885E-02
524222.3	4260157	1.294E+02	2.063E-02	2.690E-03	1.155E-03	2.179E-02	6.844E-02	9.022E-02
524232.3	4260157	1.589E+02	2.535E-02	2.310E-03	9.921E-04	2.634E-02	7.804E-02	1.044E-01
524242.3	4260157	1.877E+02	2.994E-02	2.050E-03	8.805E-04	3.083E-02	8.873E-02	1.196E-01
524252.3	4260157	2.160E+02	3.445E-02	1.880E-03	8.074E-04	3.525E-02	1.003E-01	1.355E-01
524262.3	4260157	2.464E+02	3.931E-02	1.720E-03	7.387E-04	4.005E-02	1.131E-01	1.531E-01
524272.3	4260157	2.817E+02	4.494E-02	1.720E-03	7.387E-04	4.568E-02	1.244E-01	1.700E-01
524282.3	4260157	3.126E+02	4.987E-02	1.710E-03	7.344E-04	5.060E-02	1.371E-01	1.877E-01
524142.3	4260167	4.734E+01	7.550E-03	3.280E-03	1.409E-03	8.959E-03	3.048E-02	3.944E-02
524152.3	4260167	5.259E+01	8.388E-03	3.410E-03	1.465E-03	9.853E-03	3.356E-02	4.342E-02
524162.3	4260167	5.862E+01	9.350E-03	3.460E-03	1.486E-03	1.084E-02	3.705E-02	4.789E-02
524172.3	4260167	6.555E+01	1.046E-02	3.400E-03	1.460E-03	1.192E-02	4.100E-02	5.292E-02
524182.3	4260167	7.363E+01	1.174E-02	3.300E-03	1.417E-03	1.316E-02	4.549E-02	5.865E-02
524192.3	4260167	8.330E+01	1.329E-02	3.180E-03	1.366E-03	1.465E-02	5.062E-02	6.528E-02
524202.3	4260167	9.560E+01	1.525E-02	3.050E-03	1.310E-03	1.656E-02	5.659E-02	7.315E-02
524212.3	4260167	1.109E+02	1.769E-02	2.840E-03	1.220E-03	1.891E-02	6.344E-02	8.235E-02
524222.3	4260167	1.317E+02	2.101E-02	2.560E-03	1.099E-03	2.211E-02	7.143E-02	9.353E-02
524232.3	4260167	1.582E+02	2.524E-02	2.270E-03	9.749E-04	2.621E-02	8.066E-02	1.069E-01
524242.3	4260167	1.857E+02	2.962E-02	2.050E-03	8.805E-04	3.050E-02	9.077E-02	1.213E-01
524252.3	4260167	2.114E+02	3.372E-02	1.930E-03	8.289E-04	3.454E-02	1.013E-01	1.358E-01
524262.3	4260167	2.397E+02	3.824E-02	1.830E-03	7.860E-04	3.903E-02	1.128E-01	1.518E-01
524272.3	4260167	2.668E+02	4.256E-02	1.780E-03	7.645E-04	4.332E-02	1.249E-01	1.682E-01
524282.3	4260167	2.969E+02	4.736E-02	1.700E-03	7.301E-04	4.809E-02	1.382E-01	1.863E-01
524142.3	4260177	4.994E+01	7.965E-03	3.050E-03	1.310E-03	9.275E-03	3.238E-02	4.166E-02
524152.3	4260177	5.545E+01	8.845E-03	3.160E-03	1.357E-03	1.020E-02	3.562E-02	4.583E-02
524162.3	4260177	6.183E+01	9.862E-03	3.210E-03	1.379E-03	1.124E-02	3.929E-02	5.053E-02
524172.3	4260177	6.907E+01	1.102E-02	3.160E-03	1.357E-03	1.237E-02	4.340E-02	5.578E-02
524182.3	4260177	7.729E+01	1.233E-02	3.060E-03	1.314E-03	1.364E-02	4.803E-02	6.167E-02
524192.3	4260177	8.713E+01	1.390E-02	2.950E-03	1.267E-03	1.516E-02	5.330E-02	6.847E-02
524202.3	4260177	9.946E+01	1.586E-02	2.840E-03	1.220E-03	1.708E-02	5.939E-02	7.648E-02
524212.3	4260177	1.141E+02	1.820E-02	2.670E-03	1.147E-03	1.934E-02	6.626E-02	8.560E-02
524222.3	4260177	1.330E+02	2.121E-02	2.450E-03	1.052E-03	2.227E-02	7.415E-02	9.642E-02
524232.3	4260177	1.571E+02	2.505E-02	2.200E-03	9.449E-04	2.600E-02	8.317E-02	1.092E-01
524242.3	4260177	1.806E+02	2.880E-02	2.040E-03	8.762E-04	2.968E-02	9.277E-02	1.225E-01
524252.3	4260177	2.014E+02	3.212E-02	1.960E-03	8.418E-04	3.296E-02	1.028E-01	1.357E-01
524262.3	4260177	2.258E+02	3.601E-02	1.860E-03	7.989E-04	3.681E-02	1.139E-01	1.507E-01
524272.3	4260177	2.525E+02	4.027E-02	1.770E-03	7.602E-04	4.103E-02	1.260E-01	1.670E-01
524282.3	4260177	2.842E+02	4.533E-02	1.670E-03	7.173E-04	4.605E-02	1.394E-01	1.854E-01
524142.3	4260187	5.248E+01	8.371E-03	2.830E-03	1.215E-03	9.587E-03	3.427E-02	4.386E-02
524152.3	4260187	5.828E+01	9.295E-03	2.940E-03	1.263E-03	1.056E-02	3.766E-02	4.822E-02

524162.3	4260187	6.490E+01	1.035E-02	2.980E-03	1.280E-03	1.163E-02	4.148E-02	5.311E-02
524172.3	4260187	7.234E+01	1.154E-02	2.950E-03	1.267E-03	1.280E-02	4.573E-02	5.853E-02
524182.3	4260187	8.082E+01	1.289E-02	2.860E-03	1.228E-03	1.412E-02	5.049E-02	6.461E-02
524192.3	4260187	9.068E+01	1.446E-02	2.750E-03	1.181E-03	1.565E-02	5.587E-02	7.151E-02
524202.3	4260187	1.024E+02	1.633E-02	2.640E-03	1.134E-03	1.746E-02	6.195E-02	7.941E-02
524212.3	4260187	1.160E+02	1.850E-02	2.530E-03	1.087E-03	1.959E-02	6.878E-02	8.837E-02
524222.3	4260187	1.331E+02	2.123E-02	2.360E-03	1.014E-03	2.225E-02	7.656E-02	9.881E-02
524232.3	4260187	1.552E+02	2.475E-02	2.150E-03	9.234E-04	2.567E-02	8.545E-02	1.111E-01
524242.3	4260187	1.768E+02	2.821E-02	2.000E-03	8.590E-04	2.907E-02	9.487E-02	1.239E-01
524252.3	4260187	1.973E+02	3.148E-02	1.910E-03	8.203E-04	3.230E-02	1.048E-01	1.371E-01
524262.3	4260187	2.197E+02	3.505E-02	1.820E-03	7.817E-04	3.583E-02	1.157E-01	1.515E-01
524272.3	4260187	2.461E+02	3.926E-02	1.710E-03	7.344E-04	3.999E-02	1.277E-01	1.677E-01
524282.3	4260187	2.773E+02	4.424E-02	1.600E-03	6.872E-04	4.492E-02	1.409E-01	1.859E-01
524142.3	4260197	5.497E+01	8.768E-03	2.650E-03	1.138E-03	9.906E-03	3.613E-02	4.603E-02
524152.3	4260197	6.100E+01	9.730E-03	2.740E-03	1.177E-03	1.091E-02	3.966E-02	5.057E-02
524162.3	4260197	6.790E+01	1.083E-02	2.780E-03	1.194E-03	1.202E-02	4.362E-02	5.564E-02
524172.3	4260197	7.557E+01	1.205E-02	2.750E-03	1.181E-03	1.323E-02	4.800E-02	6.124E-02
524182.3	4260197	8.420E+01	1.343E-02	2.680E-03	1.151E-03	1.458E-02	5.288E-02	6.746E-02
524192.3	4260197	9.406E+01	1.500E-02	2.570E-03	1.104E-03	1.611E-02	5.833E-02	7.443E-02
524202.3	4260197	1.053E+02	1.680E-02	2.460E-03	1.057E-03	1.786E-02	6.440E-02	8.226E-02
524212.3	4260197	1.180E+02	1.883E-02	2.340E-03	1.005E-03	1.983E-02	7.115E-02	9.098E-02
524222.3	4260197	1.342E+02	2.141E-02	2.240E-03	9.621E-04	2.237E-02	7.890E-02	1.013E-01
524232.3	4260197	1.543E+02	2.461E-02	2.080E-03	8.933E-04	2.550E-02	8.764E-02	1.131E-01
524242.3	4260197	1.750E+02	2.791E-02	1.940E-03	8.332E-04	2.874E-02	9.697E-02	1.257E-01
524252.3	4260197	1.942E+02	3.097E-02	1.850E-03	7.946E-04	3.177E-02	1.068E-01	1.385E-01
524262.3	4260197	2.160E+02	3.445E-02	1.750E-03	7.516E-04	3.520E-02	1.175E-01	1.527E-01
524272.3	4260197	2.421E+02	3.862E-02	1.640E-03	7.044E-04	3.932E-02	1.294E-01	1.687E-01
524282.3	4260197	2.723E+02	4.342E-02	1.540E-03	6.614E-04	4.409E-02	1.425E-01	1.866E-01
524142.3	4260207	5.758E+01	9.184E-03	2.490E-03	1.069E-03	1.025E-02	3.800E-02	4.825E-02
524152.3	4260207	6.381E+01	1.018E-02	2.570E-03	1.104E-03	1.128E-02	4.165E-02	5.294E-02
524162.3	4260207	7.092E+01	1.131E-02	2.610E-03	1.121E-03	1.243E-02	4.573E-02	5.817E-02
524172.3	4260207	7.874E+01	1.256E-02	2.580E-03	1.108E-03	1.367E-02	5.022E-02	6.389E-02
524182.3	4260207	8.741E+01	1.394E-02	2.510E-03	1.078E-03	1.502E-02	5.517E-02	7.019E-02
524192.3	4260207	9.724E+01	1.551E-02	2.420E-03	1.039E-03	1.655E-02	6.067E-02	7.722E-02
524202.3	4260207	1.083E+02	1.727E-02	2.300E-03	9.878E-04	1.825E-02	6.676E-02	8.501E-02
524212.3	4260207	1.205E+02	1.921E-02	2.180E-03	9.363E-04	2.015E-02	7.345E-02	9.360E-02
524222.3	4260207	1.359E+02	2.168E-02	2.090E-03	8.976E-04	2.258E-02	8.115E-02	1.037E-01
524232.3	4260207	1.543E+02	2.461E-02	1.990E-03	8.547E-04	2.546E-02	8.973E-02	1.152E-01
524242.3	4260207	1.737E+02	2.771E-02	1.870E-03	8.032E-04	2.851E-02	9.893E-02	1.274E-01
524252.3	4260207	1.930E+02	3.078E-02	1.770E-03	7.602E-04	3.154E-02	1.087E-01	1.402E-01
524262.3	4260207	2.144E+02	3.420E-02	1.670E-03	7.173E-04	3.492E-02	1.193E-01	1.542E-01
524272.3	4260207	2.399E+02	3.827E-02	1.570E-03	6.743E-04	3.894E-02	1.311E-01	1.700E-01
524282.3	4260207	2.699E+02	4.305E-02	1.470E-03	6.314E-04	4.369E-02	1.442E-01	1.879E-01
524142.3	4260217	6.057E+01	9.661E-03	2.350E-03	1.009E-03	1.067E-02	3.994E-02	5.061E-02
524152.3	4260217	6.689E+01	1.067E-02	2.420E-03	1.039E-03	1.171E-02	4.368E-02	5.539E-02
524162.3	4260217	7.403E+01	1.181E-02	2.450E-03	1.052E-03	1.286E-02	4.783E-02	6.069E-02
524172.3	4260217	8.185E+01	1.305E-02	2.430E-03	1.044E-03	1.410E-02	5.238E-02	6.647E-02
524182.3	4260217	9.053E+01	1.444E-02	2.370E-03	1.018E-03	1.546E-02	5.738E-02	7.284E-02
524192.3	4260217	1.003E+02	1.600E-02	2.280E-03	9.792E-04	1.698E-02	6.293E-02	7.991E-02
524202.3	4260217	1.114E+02	1.777E-02	2.170E-03	9.320E-04	1.870E-02	6.907E-02	8.777E-02
524212.3	4260217	1.236E+02	1.972E-02	2.060E-03	8.848E-04	2.061E-02	7.580E-02	9.641E-02
524222.3	4260217	1.385E+02	2.209E-02	1.960E-03	8.418E-04	2.293E-02	8.342E-02	1.063E-01
524232.3	4260217	1.556E+02	2.481E-02	1.880E-03	8.074E-04	2.562E-02	9.183E-02	1.175E-01
524242.3	4260217	1.740E+02	2.775E-02	1.780E-03	7.645E-04	2.851E-02	1.009E-01	1.294E-01
524252.3	4260217	1.933E+02	3.082E-02	1.680E-03	7.215E-04	3.155E-02	1.106E-01	1.422E-01
524262.3	4260217	2.152E+02	3.432E-02	1.580E-03	6.786E-04	3.500E-02	1.213E-01	1.563E-01
524272.3	4260217	2.408E+02	3.840E-02	1.490E-03	6.399E-04	3.904E-02	1.331E-01	1.722E-01
524282.3	4260217	2.701E+02	4.308E-02	1.400E-03	6.013E-04	4.368E-02	1.462E-01	1.899E-01
524142.3	4260227	6.364E+01	1.015E-02	2.230E-03	9.578E-04	1.111E-02	4.187E-02	5.298E-02
524152.3	4260227	6.999E+01	1.116E-02	2.280E-03	9.792E-04	1.214E-02	4.567E-02	5.782E-02
524162.3	4260227	7.703E+01	1.229E-02	2.310E-03	9.921E-04	1.328E-02	4.985E-02	6.313E-02
524172.3	4260227	8.489E+01	1.354E-02	2.290E-03	9.835E-04	1.452E-02	5.446E-02	6.899E-02
524182.3	4260227	9.356E+01	1.492E-02	2.230E-03	9.578E-04	1.588E-02	5.952E-02	7.540E-02
524192.3	4260227	1.033E+02	1.647E-02	2.150E-03	9.234E-04	1.739E-02	6.509E-02	8.248E-02
524202.3	4260227	1.143E+02	1.823E-02	2.060E-03	8.848E-04	1.912E-02	7.126E-02	9.038E-02
524212.3	4260227	1.265E+02	2.018E-02	1.950E-03	8.375E-04	2.101E-02	7.800E-02	9.901E-02
524222.3	4260227	1.409E+02	2.247E-02	1.860E-03	7.989E-04	2.327E-02	8.554E-02	1.088E-01
524232.3	4260227	1.570E+02	2.504E-02	1.770E-03	7.602E-04	2.580E-02	9.381E-02	1.196E-01
524242.3	4260227	1.749E+02	2.789E-02	1.680E-03	7.215E-04	2.861E-02	1.028E-01	1.314E-01
524252.3	4260227	1.941E+02	3.096E-02	1.590E-03	6.829E-04	3.165E-02	1.125E-01	1.442E-01
524262.3	4260227	2.164E+02	3.452E-02	1.500E-03	6.442E-04	3.516E-02	1.232E-01	1.584E-01

524272.3	4260227	2.414E+02	3.850E-02	1.420E-03	6.099E-04	3.911E-02	1.350E-01	1.741E-01
524282.3	4260227	2.706E+02	4.316E-02	1.330E-03	5.712E-04	4.373E-02	1.481E-01	1.918E-01
524142.3	4260237	6.686E+01	1.066E-02	2.110E-03	9.062E-04	1.157E-02	4.379E-02	5.536E-02
524152.3	4260237	7.308E+01	1.166E-02	2.160E-03	9.277E-04	1.258E-02	4.762E-02	6.020E-02
524162.3	4260237	8.008E+01	1.277E-02	2.180E-03	9.363E-04	1.371E-02	5.184E-02	6.555E-02
524172.3	4260237	8.779E+01	1.400E-02	2.160E-03	9.277E-04	1.493E-02	5.647E-02	7.140E-02
524182.3	4260237	9.634E+01	1.537E-02	2.110E-03	9.062E-04	1.627E-02	6.153E-02	7.780E-02
524192.3	4260237	1.060E+02	1.691E-02	2.040E-03	8.762E-04	1.779E-02	6.713E-02	8.492E-02
524202.3	4260237	1.171E+02	1.867E-02	1.950E-03	8.375E-04	1.951E-02	7.332E-02	9.283E-02
524212.3	4260237	1.293E+02	2.062E-02	1.860E-03	7.989E-04	2.142E-02	8.008E-02	1.015E-01
524222.3	4260237	1.431E+02	2.282E-02	1.760E-03	7.559E-04	2.358E-02	8.753E-02	1.111E-01
524232.3	4260237	1.586E+02	2.530E-02	1.670E-03	7.173E-04	2.601E-02	9.568E-02	1.217E-01
524242.3	4260237	1.759E+02	2.806E-02	1.590E-03	6.829E-04	2.874E-02	1.046E-01	1.333E-01
524252.3	4260237	1.954E+02	3.116E-02	1.510E-03	6.485E-04	3.181E-02	1.143E-01	1.461E-01
524262.3	4260237	2.173E+02	3.466E-02	1.430E-03	6.142E-04	3.528E-02	1.250E-01	1.603E-01
524272.3	4260237	242.07144	3.861E-02	1.350E-03	5.798E-04	3.919E-02	1.367E-01	1.759E-01
524282.3	4260237	271.10285	4.324E-02	1.270E-03	5.455E-04	4.379E-02	1.498E-01	1.936E-01
524142.3	4260247	72.08101	1.150E-02	1.960E-03	8.418E-04	1.234E-02	4.598E-02	5.831E-02
524152.3	4260247	77.42235	1.235E-02	2.030E-03	8.719E-04	1.322E-02	4.973E-02	6.295E-02
524162.3	4260247	83.72573	1.335E-02	2.060E-03	8.848E-04	1.424E-02	5.389E-02	6.813E-02
524172.3	4260247	91.16789	1.454E-02	2.040E-03	8.762E-04	1.542E-02	5.850E-02	7.392E-02
524182.3	4260247	99.5435	1.588E-02	2.000E-03	8.590E-04	1.674E-02	6.357E-02	8.031E-02
524192.3	4260247	108.99595	1.739E-02	1.930E-03	8.289E-04	1.821E-02	6.914E-02	8.735E-02
524202.3	4260247	119.99819	1.914E-02	1.850E-03	7.946E-04	1.993E-02	7.534E-02	9.527E-02
524212.3	4260247	132.0595	2.106E-02	1.770E-03	7.602E-04	2.182E-02	8.208E-02	1.039E-01
524222.3	4260247	145.83151	2.326E-02	1.680E-03	7.215E-04	2.398E-02	8.951E-02	1.135E-01
524232.3	4260247	161.09583	2.570E-02	1.590E-03	6.829E-04	2.638E-02	9.760E-02	1.240E-01
524242.3	4260247	178.28646	2.844E-02	1.520E-03	6.528E-04	2.909E-02	1.065E-01	1.356E-01
524252.3	4260247	197.57146	3.151E-02	1.440E-03	6.185E-04	3.213E-02	1.162E-01	1.483E-01
524262.3	4260247	219.34171	3.499E-02	1.370E-03	5.884E-04	3.557E-02	1.268E-01	1.624E-01
524272.3	4260247	244.43562	3.899E-02	1.290E-03	5.540E-04	3.954E-02	1.385E-01	1.781E-01
524282.3	4260247	273.42626	4.361E-02	1.220E-03	5.240E-04	4.414E-02	1.516E-01	1.957E-01
524142.3	4260257	79.43452	1.267E-02	1.740E-03	7.473E-04	1.342E-02	4.839E-02	6.181E-02
524152.3	4260257	82.91935	1.323E-02	1.860E-03	7.989E-04	1.402E-02	5.192E-02	6.594E-02
524162.3	4260257	87.72476	1.399E-02	1.930E-03	8.289E-04	1.482E-02	5.591E-02	7.073E-02
524172.3	4260257	94.56157	1.508E-02	1.930E-03	8.289E-04	1.591E-02	6.047E-02	7.638E-02
524182.3	4260257	102.56205	1.636E-02	1.900E-03	8.160E-04	1.717E-02	6.549E-02	8.266E-02
524192.3	4260257	111.87981	1.785E-02	1.840E-03	7.903E-04	1.864E-02	7.105E-02	8.968E-02
524202.3	4260257	122.76642	1.958E-02	1.770E-03	7.602E-04	2.034E-02	7.722E-02	9.757E-02
524212.3	4260257	134.6515	2.148E-02	1.690E-03	7.258E-04	2.220E-02	8.392E-02	1.061E-01
524222.3	4260257	148.19957	2.364E-02	1.600E-03	6.872E-04	2.433E-02	9.129E-02	1.156E-01
524232.3	4260257	163.50041	2.608E-02	1.530E-03	6.571E-04	2.674E-02	9.937E-02	1.261E-01
524242.3	4260257	180.34404	2.877E-02	1.450E-03	6.228E-04	2.939E-02	1.081E-01	1.375E-01
524252.3	4260257	199.39322	3.180E-02	1.380E-03	5.927E-04	3.240E-02	1.177E-01	1.501E-01
524262.3	4260257	221.09523	3.527E-02	1.310E-03	5.626E-04	3.583E-02	1.283E-01	1.641E-01
524272.3	4260257	246.00389	3.924E-02	1.240E-03	5.326E-04	3.977E-02	1.399E-01	1.797E-01
524282.3	4260257	274.83123	4.384E-02	1.180E-03	5.068E-04	4.434E-02	1.528E-01	1.972E-01
524204.7	4260013	26.55846	4.236E-03	6.740E-03	2.895E-03	7.131E-03	1.479E-02	2.192E-02
524203.4	4260005	24.39676	3.891E-03	5.980E-03	2.568E-03	6.460E-03	1.362E-02	2.008E-02
524204.7	4259998	23.18	3.697E-03	5.460E-03	2.345E-03	6.042E-03	1.292E-02	1.896E-02
524204.4	4259988	21.42865	3.418E-03	5.050E-03	2.169E-03	5.587E-03	1.196E-02	1.755E-02
524189.1	4260004	20.96439	3.344E-03	6.330E-03	2.719E-03	6.063E-03	1.197E-02	1.803E-02
524189.4	4259994	19.36742	3.089E-03	5.720E-03	2.457E-03	5.546E-03	1.107E-02	1.661E-02
524190.8	4259983	18.1832	2.900E-03	5.340E-03	2.293E-03	5.194E-03	1.038E-02	1.557E-02
524246.8	4259946	26.56261	4.237E-03	3.330E-03	1.430E-03	5.667E-03	1.381E-02	1.948E-02
524255.3	4259930	27.60716	4.403E-03	2.990E-03	1.284E-03	5.688E-03	1.443E-02	2.012E-02
524250.5	4259938	26.72499	4.263E-03	3.150E-03	1.353E-03	5.616E-03	1.396E-02	1.957E-02
524232.5	4259936	21.29951	3.397E-03	3.390E-03	1.456E-03	4.853E-03	1.164E-02	1.650E-02
524220.5	4259938	18.99974	3.031E-03	3.640E-03	1.563E-03	4.594E-03	1.058E-02	1.517E-02
524212.6	4259950	18.50522	2.952E-03	3.980E-03	1.709E-03	4.661E-03	1.033E-02	1.499E-02
524206.3	4259958	18.10509	2.888E-03	4.290E-03	1.843E-03	4.730E-03	1.016E-02	1.489E-02
524199.4	4259957	17.00615	2.713E-03	4.560E-03	1.958E-03	4.671E-03	9.655E-03	1.433E-02
524188.3	4259954	15.35093	2.449E-03	5.140E-03	2.208E-03	4.656E-03	8.872E-03	1.353E-02
524196.9	4259946	15.9047	2.537E-03	4.530E-03	1.946E-03	4.482E-03	9.122E-03	1.360E-02
524203.7	4259948	16.92729	2.700E-03	4.250E-03	1.825E-03	4.525E-03	9.601E-03	1.413E-02
524199.4	4259935	15.54543	2.480E-03	4.290E-03	1.843E-03	4.322E-03	8.966E-03	1.329E-02
524206.6	4259925	16.01302	2.554E-03	3.910E-03	1.679E-03	4.233E-03	9.223E-03	1.346E-02
524213.1	4259918	16.64912	2.656E-03	3.620E-03	1.555E-03	4.210E-03	9.567E-03	1.378E-02
524241.9	4259920	22.54946	3.597E-03	3.080E-03	1.323E-03	4.920E-03	1.235E-02	1.727E-02
524216	4259908	16.71194	2.666E-03	3.460E-03	1.486E-03	4.152E-03	9.659E-03	1.381E-02
524221.1	4259892	17.1077	2.729E-03	3.250E-03	1.396E-03	4.125E-03	9.958E-03	1.408E-02

524238.8	4259899	20.85466	3.326E-03	2.960E-03	1.271E-03	4.598E-03	1.176E-02	1.636E-02
524238.8	4259908	21.15944	3.375E-03	3.030E-03	1.301E-03	4.676E-03	1.183E-02	1.650E-02
524237.4	4259885	20.24184	3.229E-03	2.860E-03	1.228E-03	4.457E-03	1.156E-02	1.601E-02
524214.8	4259881	15.80158	2.520E-03	3.430E-03	1.473E-03	3.994E-03	9.372E-03	1.337E-02
524203.1	4259873	13.96416	2.227E-03	4.020E-03	1.727E-03	3.954E-03	8.468E-03	1.242E-02
524198.3	4259867	13.23138	2.110E-03	4.440E-03	1.907E-03	4.017E-03	8.116E-03	1.213E-02
524232.8	4259867	18.91239	3.017E-03	2.830E-03	1.215E-03	4.232E-03	1.102E-02	1.525E-02
524233.1	4259858	18.67546	2.979E-03	2.850E-03	1.224E-03	4.203E-03	1.101E-02	1.521E-02
524235.7	4259852	19.09485	3.046E-03	2.800E-03	1.203E-03	4.248E-03	1.128E-02	1.553E-02
524239.7	4259846	19.78135	3.155E-03	2.730E-03	1.173E-03	4.328E-03	1.171E-02	1.604E-02
524243.9	4259835	20.40463	3.255E-03	2.720E-03	1.168E-03	4.423E-03	1.217E-02	1.659E-02
524250.5	4259824	21.56711	3.440E-03	2.760E-03	1.185E-03	4.625E-03	1.291E-02	1.753E-02
524243.6	4259822	19.90436	3.175E-03	2.900E-03	1.246E-03	4.420E-03	1.204E-02	1.646E-02
524232.8	4259816	17.4433	2.782E-03	3.360E-03	1.443E-03	4.225E-03	1.079E-02	1.502E-02
524225.1	4259826	16.21302	2.586E-03	3.560E-03	1.529E-03	4.115E-03	1.006E-02	1.417E-02
524218.3	4259837	15.30448	2.441E-03	3.740E-03	1.606E-03	4.047E-03	9.475E-03	1.352E-02
524210.6	4259847	14.37702	2.293E-03	4.040E-03	1.735E-03	4.028E-03	8.882E-03	1.291E-02
524202	4259858	13.46875	2.148E-03	4.410E-03	1.894E-03	4.042E-03	8.310E-03	1.235E-02
524265.8	4259728	21.10819	3.367E-03	5.280E-03	2.268E-03	5.635E-03	1.347E-02	1.910E-02
524273.5	4259714	21.84161	3.484E-03	5.150E-03	2.212E-03	5.696E-03	1.401E-02	1.971E-02
524276.9	4259699	21.6853	3.459E-03	5.250E-03	2.255E-03	5.714E-03	1.403E-02	1.975E-02
524260.9	4259694	19.01922	3.034E-03	8.040E-03	3.453E-03	6.487E-03	1.240E-02	1.889E-02
524251.8	4259711	18.22071	2.906E-03	8.100E-03	3.479E-03	6.385E-03	1.182E-02	1.821E-02
524250.7	4259723	18.37064	2.930E-03	7.180E-03	3.084E-03	6.014E-03	1.186E-02	1.788E-02
524265.2	4259621	17.06117	2.721E-03	9.740E-03	4.183E-03	6.905E-03	1.150E-02	1.841E-02
524284.9	4259588	18.08057	2.884E-03	7.010E-03	3.011E-03	5.895E-03	1.224E-02	1.813E-02
524305.7	4259555	18.72646	2.987E-03	8.760E-03	3.762E-03	6.749E-03	1.278E-02	1.953E-02
524315.1	4259565	20.24197	3.229E-03	6.230E-03	2.676E-03	5.904E-03	1.372E-02	1.962E-02
524304	4259604	20.99776	3.349E-03	4.600E-03	1.976E-03	5.325E-03	1.405E-02	1.938E-02
524638	4260128	56.56225	9.022E-03	1.200E-04	5.154E-05	9.073E-03	4.970E-02	5.877E-02
524645.9	4260114	50.39967	8.039E-03	1.100E-04	4.724E-05	8.086E-03	3.685E-02	4.493E-02
524647.1	4260105	52.49228	8.373E-03	1.100E-04	4.724E-05	8.420E-03	4.014E-02	4.856E-02
524662.5	4260078	52.00256	8.295E-03	1.200E-04	5.154E-05	8.346E-03	4.233E-02	5.067E-02
524692.1	4260054	45.48168	7.254E-03	1.100E-04	4.724E-05	7.302E-03	3.810E-02	4.540E-02
524752.6	4260051	44.71633	7.132E-03	1.200E-04	5.154E-05	7.184E-03	4.296E-02	5.015E-02
524338.9	4260405	148.39205	2.367E-02	2.600E-04	1.117E-04	2.378E-02	1.384E-01	1.622E-01
524441.4	4260404	48.44571	7.727E-03	1.000E-04	4.295E-05	7.770E-03	3.755E-02	4.532E-02
524539	4260370	16.94805	2.703E-03	6.000E-05	2.577E-05	2.729E-03	1.378E-02	1.651E-02
524566.4	4260357	15.35646	2.449E-03	6.000E-05	2.577E-05	2.475E-03	1.273E-02	1.521E-02
524530.2	4260390	16.46184	2.626E-03	6.000E-05	2.577E-05	2.651E-03	1.337E-02	1.602E-02
524498.3	4260239	185.10422	2.952E-02	2.000E-04	8.590E-05	2.961E-02	1.520E-01	1.816E-01
524477.4	4260263	191.00852	3.047E-02	2.000E-04	8.590E-05	3.055E-02	1.651E-01	1.957E-01
524494.8	4260256	161.23468	2.572E-02	1.800E-04	7.731E-05	2.579E-02	1.486E-01	1.744E-01
524515.7	4260222	177.19843	2.826E-02	2.000E-04	8.590E-05	2.835E-02	1.364E-01	1.648E-01
524519.7	4260239	134.98568	2.153E-02	1.800E-04	7.731E-05	2.161E-02	1.290E-01	1.506E-01
524519.2	4260249	121.29184	1.935E-02	1.600E-04	6.872E-05	1.942E-02	1.250E-01	1.444E-01
524529	4260211	162.27017	2.588E-02	2.000E-04	8.590E-05	2.597E-02	1.254E-01	1.514E-01
524535.4	4260222	132.64171	2.116E-02	1.800E-04	7.731E-05	2.123E-02	1.166E-01	1.379E-01
524534.2	4260237	115.5907	1.844E-02	1.700E-04	7.301E-05	1.851E-02	1.134E-01	1.319E-01
524547	4260197	158.13839	2.522E-02	2.100E-04	9.019E-05	2.531E-02	1.067E-01	1.320E-01
524547	4260211	126.66217	2.020E-02	1.800E-04	7.731E-05	2.028E-02	1.071E-01	1.274E-01
524549.9	4260224	108.7691	1.735E-02	1.700E-04	7.301E-05	1.742E-02	1.020E-01	1.194E-01
524560.3	4260187	154.10533	2.458E-02	2.100E-04	9.019E-05	2.467E-02	9.580E-02	1.205E-01
524569	4260204	104.52411	1.667E-02	1.800E-04	7.731E-05	1.675E-02	8.971E-02	1.065E-01
524580	4260181	106.00406	1.691E-02	1.800E-04	7.731E-05	1.699E-02	8.702E-02	1.040E-01
524580	4260198	95.36147	1.521E-02	1.700E-04	7.301E-05	1.528E-02	8.385E-02	9.913E-02
524588.1	4260163	124.92577	1.993E-02	1.900E-04	8.160E-05	2.001E-02	8.212E-02	1.021E-01
524598.6	4260183	87.16355	1.390E-02	1.600E-04	6.872E-05	1.397E-02	7.688E-02	9.085E-02
524596.3	4260170	98.92994	1.578E-02	1.700E-04	7.301E-05	1.585E-02	7.953E-02	9.538E-02
524290.8	4259394	12.54658	2.001E-03	7.040E-03	3.024E-03	5.025E-03	8.893E-03	1.392E-02
524300.9	4259318	11.21307	1.789E-03	7.210E-03	3.097E-03	4.885E-03	8.082E-03	1.297E-02
524313.2	4259257	10.39685	1.658E-03	5.120E-03	2.199E-03	3.857E-03	7.586E-03	1.144E-02
524355.4	4259275	12.49311	1.993E-03	8.800E-03	3.780E-03	5.772E-03	8.987E-03	1.476E-02
524363.7	4259262	12.51823	1.997E-03	8.890E-03	3.818E-03	5.815E-03	9.009E-03	1.482E-02
524374.4	4259248	12.65519	2.019E-03	6.970E-03	2.994E-03	5.012E-03	9.101E-03	1.411E-02
524317.9	4259219	9.84162	1.570E-03	4.370E-03	1.877E-03	3.447E-03	7.226E-03	1.067E-02
524384.5	4259228	12.58283	2.007E-03	5.570E-03	2.392E-03	4.399E-03	9.056E-03	1.346E-02
524333.2	4259184	9.7265	1.551E-03	5.320E-03	2.285E-03	3.836E-03	7.152E-03	1.099E-02
524398.6	4259201	12.4565	1.987E-03	4.730E-03	2.031E-03	4.018E-03	8.994E-03	1.301E-02
524358.7	4259346	14.66352	2.339E-03	6.170E-03	2.650E-03	4.989E-03	1.042E-02	1.540E-02
524368.4	4259315	14.24487	2.272E-03	4.910E-03	2.109E-03	4.381E-03	1.014E-02	1.452E-02

524387.4 4259292 14.5114 2.315E-03 3.770E-03 1.619E-03 3.934E-03 1.033E-02 1.426E-02

Emerald Isle Condominium Project

Mitigated

Estimation of Annual Construction DPM Emissions

Start of Construction	4/1/2020	1/1/2021	
End of Construction	12/31/2020	9/14/2021	Total
Number of Days	274	256	530
Number of Hours	6576	6144	12720

Size of the Construction area source: **50348 sq-meters**

Onsite	Construction Activity	2020	2021	Total Emissions (tons)	Average Emissions (grams/sec)	Average Emissions (g/m2/sec)
		Onsite (tons)	Onsite (tons)			
	Site Preparation	3.100E-04				
	Grading	1.520E-03				
	Building Construction	3.200E-03	2.920E-03			
	Paving	0.000E+00	3.700E-04			
	Architectural Coating	0.000E+00	1.000E-05			
	Total	5.030E-03	3.300E-03	8.330E-03	1.652E-04	3.281E-09

Offsite 2020	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00000	
	Grading	0.00140	0.00000	0.00001	
	Building Construction	0.00000	0.00106	0.00039	
	Paving	0.00000	0.00000	0.00000	
	Architectural Coating	0.00000	0.00000	0.00000	
	Total	0.00140	0.00106	0.00040	0.00286

Offsite 2021	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00000	
	Grading	0.00000	0.00000	0.00000	
	Building Construction	0.00000	0.00030	0.00027	
	Paving	0.00000	0.00000	0.00001	
	Architectural Coating	0.00000	0.00000	0.00001	
	Total	0.00000	0.00030	0.00029	0.00059

	Haul Truck	Vendor Truck	Worker
Grand Total (tons)	0.00140	0.00136	0.00069
Average Emissions (g/sec)	2.776E-05	2.697E-05	1.368E-05

Default Vehicle Travel Distance for Haul Trucks in CalEEMod 20 miles
 Default Vehicle Travel Distance for Vendor Trucks in CalEEMod 7.9 miles
 Default Vehicle Travel Distance for Worker Vehicles in CalEEMod 19.8 miles

Vehicle Travel Distance in the HRA 0.73 miles

Total Offsite Vehicle Emissions Along Travel Distance

Haul Trucks	1.02E-06 g/sec
Vendor Trucks	2.51E-06 g/sec
Worker Vehicles	5.08E-07 g/sec
Total	4.04E-06 g/sec

Total Offsite Vehicle Emissions Along Travel Distance

	2020	2021
Haul Trucks	5.14E-05	0.00E+00 tons
Vendor Trucks	9.86E-05	2.79E-05 tons
Worker Vehicles	1.48E-05	1.08E-05 tons
Total	1.65E-04	3.87E-05 tons

Summary Data Check	Calculated			CalEEMod (tons)
	Onsite (tons)	Offsite (tons)	Total (tons)	
2020	0.00503	0.00286	0.00789	0.00790
2021	0.00330	0.00059	0.00389	0.00410
Total	0.00833	0.00345	0.01178	0.01200

Emerald Isle Condominium Project

Mitigated

Estimation of Annual Construction PM2.5 Fugitive Dust Emissions

Start of Construction	4/1/2020	1/1/2021	
End of Construction	12/31/2020	9/14/2021	Total
Number of Days	274	256	530
Number of Hours	6576	6144	12720

Size of the Construction area source: **50348 sq-meters**

Onsite	Construction Activity	2020	2021	Total Emissions (tons)	Average Emissions (grams/sec)	Average Emissions (g/m2/sec)
		Onsite (tons)	Onsite (tons)			
	Site Preparation	1.940E-02				
	Grading	2.110E-02				
	Building Construction	0.000E+00	0.000E+00			
	Paving	0.000E+00	0.000E+00			
	Architectural Coating	0.000E+00	0.000E+00			
	Total	4.050E-02	0.000E+00	4.050E-02	8.031E-04	1.595E-08

Offsite 2020	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00019	
	Grading	0.00720	0.00000	0.00063	
	Building Construction	0.00000	0.00370	0.01670	
	Paving	0.00000	0.00000	0.00000	
	Architectural Coating	0.00000	0.00000	0.00000	
	Total	0.00720	0.00370	0.01752	0.02842

Offsite 2021	Construction Activity	Haul Truck (tons)	Vendor Truck (tons)	Worker (tons)	Total (All Vehicles) (tons)
	Site Preparation	0.00000	0.00000	0.00000	
	Grading	0.00000	0.00000	0.00000	
	Building Construction	0.00000	0.00339	0.01520	
	Paving	0.00000	0.00000	0.00032	
	Architectural Coating	0.00000	0.00000	0.00042	
	Total	0.00000	0.00339	0.01594	0.01933

	Haul Truck	Vendor Truck	Worker
Grand Total (tons)	0.00720	0.00709	0.03346
Average Emissions (g/sec)	1.428E-04	1.406E-04	6.635E-04

Default Vehicle Travel Distance for Haul Trucks in CalEEMod 20 miles
 Default Vehicle Travel Distance for Vendor Trucks in CalEEMod 7.9 miles
 Default Vehicle Travel Distance for Worker Vehicles in CalEEMod 19.8 miles

Vehicle Travel Distance in the HRA 0.73 miles

Total Offsite Vehicle Emissions Along Travel Distance

Haul Trucks	5.25E-06	g/sec
Vendor Truck	1.31E-05	g/sec
Worker Vehic	2.46E-05	g/sec
Total	4.29E-05	g/sec

Total Offsite Vehicle Emissions Along Travel Distance

	2020	2021
Haul Trucks	2.65E-04	0.00E+00 tons
Vendor Trucks	3.44E-04	3.15E-04 tons
Worker Vehicles	6.50E-04	5.92E-04 tons
Total	1.26E-03	9.07E-04 tons

Summary Data Check	Calculated			CalEEMod (tons)
	Onsite (tons)	Offsite (tons)	Total (tons)	
2020	0.04050	0.02842	0.06892	0.06880
2021	0.00000	0.01933	0.01933	0.01930
Total	0.04050	0.04775	0.08825	0.08810

Emerald Isle Condominium Project

Estimation of Annual Average DPM and Cancer Risks Mitigated

Annual Average Onsite DPM Emission Rate: 3.281E-09
 Multiplication Factor 0.0001
 Annual Average Offsite DPM Emission Rate 4.036E-06
 Multiplication Factor 0.0001

Chronic Non-Cancer Reference Exposure Level		5 ug/m3		Max DPM (ug/m3) 6.36E-03	Max Risk (/million) 1.35E+00	Max Risk (/million) 2.71E-02	Max Risk (/million) 2.17E-01	Max Chronic Non-Cancer Hazard 1.42E-03		
X (ft)	Y (ft)	Onsite	Onsite	Offsite	Offsite	Total DPM (ug/m3)	Prenatal to Adult Cancer Risk (/million)	Adult Cancer Risk (/million)	Child Cancer Risk (/million)	
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)					
524142.3	4260057	1.666E+01	5.465E-04	8.240E-03	3.326E-04	8.791E-04	1.679E-01	3.357E-03	2.687E-02	1.758E-04
524152.3	4260057	1.823E+01	5.982E-04	1.096E-05	4.425E-07	5.987E-04	1.143E-01	2.286E-03	1.829E-02	1.197E-04
524162.3	4260057	2.012E+01	6.600E-04	1.209E-05	4.882E-07	6.605E-04	1.262E-01	2.522E-03	2.018E-02	1.321E-04
524172.3	4260057	2.216E+01	7.270E-04	1.332E-05	5.377E-07	7.276E-04	1.390E-01	2.778E-03	2.223E-02	1.455E-04
524182.3	4260057	2.448E+01	8.032E-04	1.472E-05	5.941E-07	8.038E-04	1.535E-01	3.069E-03	2.456E-02	1.608E-04
524192.3	4260057	2.726E+01	8.944E-04	1.639E-05	6.615E-07	8.951E-04	1.709E-01	3.418E-03	2.735E-02	1.790E-04
524202.3	4260057	3.064E+01	1.005E-03	1.842E-05	7.435E-07	1.006E-03	1.921E-01	3.841E-03	3.074E-02	2.012E-04
524212.3	4260057	3.473E+01	1.139E-03	2.088E-05	8.427E-07	1.140E-03	2.178E-01	4.359E-03	3.484E-02	2.280E-04
524222.3	4260057	3.965E+01	1.301E-03	2.384E-05	9.621E-07	1.302E-03	2.486E-01	4.971E-03	3.978E-02	2.604E-04
524232.3	4260057	4.575E+01	1.501E-03	2.750E-05	1.110E-06	1.502E-03	2.868E-01	5.735E-03	4.590E-02	3.004E-04
524242.3	4260057	5.236E+01	1.750E-03	3.208E-05	1.295E-06	1.752E-03	3.346E-01	6.689E-03	5.353E-02	3.504E-04
524252.3	4260057	6.300E+01	2.067E-03	3.787E-05	1.529E-06	2.068E-03	3.950E-01	7.898E-03	6.321E-02	4.137E-04
524262.3	4260057	7.518E+01	2.466E-03	4.519E-05	1.824E-06	2.468E-03	4.714E-01	9.424E-03	7.542E-02	4.936E-04
524272.3	4260057	9.052E+01	2.970E-03	5.442E-05	2.197E-06	2.972E-03	5.676E-01	1.135E-02	9.082E-02	5.944E-04
524282.3	4260057	1.099E+02	3.606E-03	6.607E-05	2.667E-06	3.608E-03	6.891E-01	1.378E-02	1.103E-01	7.216E-04
524142.3	4260067	1.815E+01	5.953E-04	1.091E-05	4.403E-07	5.957E-04	1.138E-01	2.275E-03	1.820E-02	1.191E-04
524152.3	4260067	1.998E+01	6.555E-04	1.201E-05	4.848E-07	6.560E-04	1.253E-01	2.505E-03	2.005E-02	1.312E-04
524162.3	4260067	2.219E+01	7.281E-04	1.334E-05	5.385E-07	7.286E-04	1.392E-01	2.782E-03	2.227E-02	1.457E-04
524172.3	4260067	2.457E+01	8.061E-04	1.477E-05	5.962E-07	8.067E-04	1.541E-01	3.080E-03	2.465E-02	1.613E-04
524182.3	4260067	2.729E+01	8.954E-04	1.641E-05	6.622E-07	8.960E-04	1.711E-01	3.421E-03	2.738E-02	1.792E-04
524192.3	4260067	3.049E+01	1.000E-03	1.833E-05	7.398E-07	1.001E-03	1.912E-01	3.822E-03	3.059E-02	2.002E-04
524202.3	4260067	3.438E+01	1.128E-03	2.067E-05	8.343E-07	1.129E-03	2.156E-01	4.310E-03	3.449E-02	2.258E-04
524212.3	4260067	3.908E+01	1.282E-03	2.349E-05	9.482E-07	1.283E-03	2.450E-01	4.899E-03	3.921E-02	2.566E-04
524222.3	4260067	4.474E+01	1.468E-03	2.690E-05	1.086E-06	1.469E-03	2.805E-01	5.609E-03	4.489E-02	2.938E-04
524232.3	4260067	5.162E+01	1.693E-03	3.103E-05	1.252E-06	1.695E-03	3.266E-01	6.471E-03	5.178E-02	3.389E-04
524242.3	4260067	6.014E+01	1.973E-03	3.615E-05	1.459E-06	1.974E-03	3.771E-01	7.539E-03	6.034E-02	3.949E-04
524252.3	4260067	7.086E+01	2.325E-03	4.260E-05	1.719E-06	2.327E-03	4.443E-01	8.884E-03	7.110E-02	4.653E-04
524262.3	4260067	8.412E+01	2.760E-03	5.057E-05	2.041E-06	2.762E-03	5.274E-01	1.055E-02	8.439E-02	5.523E-04
524272.3	4260067	1.006E+02	3.302E-03	6.050E-05	2.442E-06	3.304E-03	6.310E-01	1.262E-02	1.010E-01	6.608E-04
524282.3	4260067	1.211E+02	3.973E-03	7.281E-05	2.939E-06	3.976E-03	7.594E-01	1.518E-02	1.215E-01	7.953E-04
524142.3	4260077	1.980E+01	6.497E-04	1.190E-05	4.805E-07	6.502E-04	1.242E-01	2.483E-03	1.987E-02	1.300E-04
524152.3	4260077	2.192E+01	7.191E-04	1.318E-05	5.319E-07	7.197E-04	1.374E-01	2.748E-03	2.199E-02	1.439E-04
524162.3	4260077	2.452E+01	8.043E-04	1.474E-05	5.949E-07	8.049E-04	1.537E-01	3.073E-03	2.460E-02	1.610E-04
524172.3	4260077	2.732E+01	8.962E-04	1.642E-05	6.628E-07	8.968E-04	1.713E-01	3.424E-03	2.741E-02	1.794E-04
524182.3	4260077	3.043E+01	9.983E-04	1.829E-05	7.384E-07	9.991E-04	1.908E-01	3.815E-03	3.053E-02	1.998E-04
524192.3	4260077	3.417E+01	1.121E-03	2.054E-05	8.290E-07	1.122E-03	2.142E-01	4.283E-03	3.428E-02	2.243E-04
524202.3	4260077	3.863E+01	1.267E-03	2.322E-05	9.373E-07	1.268E-03	2.422E-01	4.842E-03	3.875E-02	2.536E-04
524212.3	4260077	4.399E+01	1.443E-03	2.644E-05	1.067E-06	1.444E-03	2.758E-01	5.515E-03	4.414E-02	2.889E-04
524222.3	4260077	5.033E+01	1.651E-03	3.026E-05	1.221E-06	1.652E-03	3.156E-01	6.309E-03	5.049E-02	3.305E-04
524232.3	4260077	5.803E+01	1.904E-03	3.488E-05	1.408E-06	1.905E-03	3.638E-01	7.274E-03	5.822E-02	3.810E-04
524242.3	4260077	6.741E+01	2.212E-03	4.053E-05	1.636E-06	2.213E-03	4.227E-01	8.451E-03	6.764E-02	4.427E-04
524252.3	4260077	7.901E+01	2.592E-03	4.750E-05	1.917E-06	2.594E-03	4.954E-01	9.905E-03	7.927E-02	5.188E-04
524262.3	4260077	9.322E+01	3.058E-03	5.604E-05	2.262E-06	3.061E-03	5.845E-01	1.169E-02	9.353E-02	6.121E-04
524272.3	4260077	1.106E+02	3.628E-03	6.648E-05	2.683E-06	3.631E-03	6.934E-01	1.386E-02	1.110E-01	7.261E-04
524282.3	4260077	1.316E+02	4.317E-03	7.911E-05	3.193E-06	4.321E-03	8.252E-01	1.650E-02	1.320E-01	8.641E-04
524142.3	4260087	2.159E+01	7.083E-04	1.298E-05	5.239E-07	7.089E-04	1.354E-01	2.707E-03	2.166E-02	1.418E-04
524152.3	4260087	2.396E+01	7.861E-04	1.440E-05	5.814E-07	7.867E-04	1.503E-01	3.004E-03	2.404E-02	1.573E-04
524162.3	4260087	2.687E+01	8.814E-04	1.615E-05	6.519E-07	8.820E-04	1.685E-01	3.368E-03	2.695E-02	1.764E-04
524172.3	4260087	3.004E+01	9.856E-04	1.806E-05	7.290E-07	9.863E-04	1.884E-01	3.766E-03	3.014E-02	1.973E-04
524182.3	4260087	3.363E+01	1.103E-03	2.022E-05	8.161E-07	1.104E-03	2.109E-01	4.216E-03	3.374E-02	2.208E-04
524192.3	4260087	3.789E+01	1.243E-03	2.278E-05	9.193E-07	1.244E-03	2.376E-01	4.750E-03	3.801E-02	2.488E-04
524202.3	4260087	4.296E+01	1.409E-03	2.583E-05	1.042E-06	1.411E-03	2.694E-01	5.386E-03	4.310E-02	2.821E-04
524212.3	4260087	4.905E+01	1.609E-03	2.949E-05	1.190E-06	1.610E-03	3.076E-01	6.149E-03	4.921E-02	3.221E-04
524222.3	4260087	5.618E+01	1.843E-03	3.377E-05	1.363E-06	1.844E-03	3.523E-01	7.043E-03	5.637E-02	3.689E-04
524232.3	4260087	6.478E+01	2.125E-03	3.894E-05	1.572E-06	2.127E-03	4.062E-01	8.120E-03	6.499E-02	4.253E-04
524242.3	4260087	7.516E+01	2.466E-03	4.518E-05	1.824E-06	2.468E-03	4.713E-01	9.422E-03	7.541E-02	4.935E-04
524252.3	4260087	8.772E+01	2.878E-03	5.273E-05	2.129E-06	2.880E-03	5.500E-01	1.100E-02	8.801E-02	5.760E-04
524262.3	4260087	1.027E+02	3.369E-03	6.173E-05	2.492E-06	3.371E-03	6.438E-01	1.287E-02	1.030E-01	6.742E-04
524272.3	4260087	1.204E+02	3.949E-03	7.236E-05	2.921E-06	3.952E-03	7.548E-01	1.509E-02	1.208E-01	7.904E-04
524282.3	4260087	1.410E+02	4.627E-03	8.478E-05	3.422E-06	4.630E-03	8.843E-01	1.768E-02	1.415E-01	9.260E-04
524142.3	4260097	2.353E+01	7.720E-04	1.415E-05	5.710E-07	7.725E-04	1.475E-01	2.950E-03	2.361E-02	1.545E-04
524152.3	4260097	2.610E+01	8.561E-04	1.569E-05	6.332E-07	8.568E-04	1.636E-01	3.272E-03	2.618E-02	1.714E-04
524162.3	4260097	2.918E+01	9.574E-04	1.754E-05	7.081E-07	9.581E-04	1.830E-01	3.658E-03	2.928E-02	1.916E-04
524172.3	4260097	3.264E+01	1.071E-03	1.962E-05	7.920E-07	1.072E-03	2.047E-01	4.092E-03	3.275E-02	2.143E-04
524182.3	4260097	3.661E+01	1.201E-03	2.201E-05	8.884E-07	1.202E-03	2.296E-01	4.590E-03	3.673E-02	2.404E-04
524192.3	4260097	4.136E+01	1.357E-03	2.486E-05	1.004E-06	1.358E-03	2.593E-01	5.185E-03	4.150E-02	2.716E-04
524202.3	4260097	4.703E+01	1.543E-03	2.827E-05	1.141E-06	1.544E-03	2.949E-01	5.895E-03	4.718E-02	3.088E-04
524212.3	4260097	5.383E+01	1.766E-03	3.236E-05	1.306E-06	1.767E-03	3.375E-01	6.748E-03	5.401E-02	3.535E-04
524222.3	4260097	6.191E+01	2.031E-03	3.722E-05	1.502E-06	2.033E-03	3.882E-01	7.762E-03	6.212E-02	4.065E-04
524232.3	4260097	7.183E+01	2.356E-03	4.318E-05	1.743E-06	2.358E-03	4.504E-01	9.004E-03	7.206E-02	4.716E-04
524242.3	4260097	8.345E+01	2.738E-03	5.016E-05	2.025E-06	2.740E-03	5.232E-01	1.046E-02	8.372E-02	5.479E-04
524252.3	4260097	9.690E+01	3.179E-03	5.825E-05	3.181E-06	3.181E-03	6.076E-01	1.215E-02	9.722E-02	6.363E-04
524262.3	4260097	1.129E+02	3.704E-03	6.787E-05	2.739E-06	3.707E-03	7.079E-01	1.415E-02	1.133E-01	7.413E-04
524272.3	4260097	1.298E+02	4.260E-03	7.805E-05	3.151E-06	4.263E-03	8.141E-01	1.628E-02	1.303E-01	8.526E-04
524282.3	4260097	1.496E+02	4.908E-03	8.994E-05	3.630E-06	4.912E-03	9.381E-01	1.876E-02	1.501E-01	9.824E-04
524142.3	426010									

524152.3	4260107	2.839E+01	9.315E-04	1.707E-05	6.890E-07	9.322E-04	1.780E-01	3.560E-03	2.849E-02	1.864E-04
524162.3	4260107	3.166E+01	1.039E-03	1.903E-05	7.683E-07	1.040E-03	1.985E-01	3.969E-03	3.177E-02	2.079E-04
524172.3	4260107	3.541E+01	1.162E-03	2.129E-05	8.593E-07	1.163E-03	2.220E-01	4.439E-03	3.553E-02	2.325E-04
524182.3	4260107	3.979E+01	1.305E-03	2.392E-05	9.655E-07	1.306E-03	2.495E-01	4.988E-03	3.992E-02	2.613E-04
524192.3	4260107	4.503E+01	1.477E-03	2.707E-05	1.093E-06	1.478E-03	2.823E-01	5.645E-03	4.517E-02	2.956E-04
524202.3	4260107	5.128E+01	1.682E-03	3.083E-05	1.244E-06	1.684E-03	3.215E-01	6.428E-03	5.145E-02	3.367E-04
524212.3	4260107	5.880E+01	1.929E-03	3.535E-05	1.427E-06	1.930E-03	3.687E-01	7.371E-03	5.899E-02	3.861E-04
524222.3	4260107	6.791E+01	2.228E-03	4.083E-05	1.648E-06	2.230E-03	4.258E-01	8.514E-03	6.814E-02	4.459E-04
524232.3	4260107	7.905E+01	2.593E-03	4.752E-05	1.918E-06	2.595E-03	4.957E-01	9.910E-03	7.931E-02	5.191E-04
524242.3	4260107	9.213E+01	3.023E-03	5.539E-05	2.236E-06	3.025E-03	5.777E-01	1.155E-02	9.244E-02	6.050E-04
524252.3	4260107	1.068E+02	3.502E-03	6.418E-05	2.590E-06	3.505E-03	6.694E-01	1.338E-02	1.071E-01	7.010E-04
524262.3	4260107	1.235E+02	4.053E-03	7.426E-05	2.998E-06	4.056E-03	7.746E-01	1.549E-02	1.239E-01	8.111E-04
524272.3	4260107	1.391E+02	4.563E-03	8.360E-05	3.375E-06	4.566E-03	8.720E-01	1.743E-02	1.395E-01	9.132E-04
524282.3	4260107	1.571E+02	5.155E-03	9.446E-05	3.813E-06	5.159E-03	9.853E-01	1.970E-02	1.577E-01	1.032E-03
524142.3	4260117	2.780E+01	9.119E-04	1.671E-05	6.745E-07	9.126E-04	1.743E-01	3.485E-03	2.789E-02	1.825E-04
524152.3	4260117	3.079E+01	1.010E-03	1.851E-05	7.470E-07	1.011E-03	1.930E-01	3.859E-03	3.089E-02	2.021E-04
524162.3	4260117	3.426E+01	1.124E-03	2.059E-05	8.313E-07	1.125E-03	2.148E-01	4.295E-03	3.437E-02	2.250E-04
524172.3	4260117	3.826E+01	1.255E-03	2.300E-05	9.284E-07	1.256E-03	2.399E-01	4.797E-03	3.839E-02	2.512E-04
524182.3	4260117	4.298E+01	1.410E-03	2.584E-05	1.043E-06	1.411E-03	2.695E-01	5.388E-03	4.312E-02	2.822E-04
524192.3	4260117	4.848E+01	1.591E-03	2.914E-05	1.176E-06	1.592E-03	3.040E-01	6.078E-03	4.864E-02	3.183E-04
524202.3	4260117	5.516E+01	1.809E-03	3.316E-05	1.338E-06	1.811E-03	3.458E-01	6.914E-03	5.534E-02	3.622E-04
524212.3	4260117	6.316E+01	2.072E-03	3.797E-05	1.533E-06	2.074E-03	3.960E-01	7.918E-03	6.337E-02	4.147E-04
524222.3	4260117	7.301E+01	2.395E-03	4.389E-05	1.772E-06	2.397E-03	4.578E-01	9.153E-03	7.325E-02	4.794E-04
524232.3	4260117	8.547E+01	2.804E-03	5.138E-05	2.074E-06	2.806E-03	5.359E-01	1.071E-02	8.575E-02	5.612E-04
524242.3	4260117	9.988E+01	3.277E-03	6.004E-05	2.424E-06	3.279E-03	6.263E-01	1.252E-02	1.002E-01	6.558E-04
524252.3	4260117	1.156E+02	3.791E-03	6.946E-05	2.804E-06	3.794E-03	7.246E-01	1.449E-02	1.159E-01	7.588E-04
524262.3	4260117	1.340E+02	4.395E-03	8.053E-05	3.251E-06	4.398E-03	8.400E-01	1.679E-02	1.344E-01	8.797E-04
524272.3	4260117	1.473E+02	4.833E-03	8.855E-05	3.574E-06	4.836E-03	9.236E-01	1.847E-02	1.478E-01	9.672E-04
524282.3	4260117	1.639E+02	5.378E-03	9.855E-05	3.978E-06	5.382E-03	1.028E+00	2.055E-02	1.645E-01	1.076E-03
524142.3	4260127	3.009E+01	9.872E-04	1.809E-05	7.302E-07	9.880E-04	1.887E-01	3.773E-03	3.019E-02	1.976E-04
524152.3	4260127	3.327E+01	1.091E-03	2.000E-05	8.073E-07	1.092E-03	2.086E-01	4.171E-03	3.338E-02	2.185E-04
524162.3	4260127	3.693E+01	1.212E-03	2.220E-05	8.961E-07	1.212E-03	2.316E-01	4.629E-03	3.705E-02	2.425E-04
524172.3	4260127	4.116E+01	1.350E-03	2.474E-05	9.986E-07	1.351E-03	2.581E-01	5.159E-03	4.129E-02	2.702E-04
524182.3	4260127	4.605E+01	1.511E-03	2.768E-05	1.117E-06	1.512E-03	2.888E-01	5.773E-03	4.621E-02	3.024E-04
524192.3	4260127	5.181E+01	1.700E-03	3.115E-05	1.257E-06	1.701E-03	3.249E-01	6.495E-03	5.198E-02	3.402E-04
524202.3	4260127	5.876E+01	1.928E-03	3.532E-05	1.426E-06	1.929E-03	3.684E-01	7.366E-03	5.895E-02	3.858E-04
524212.3	4260127	6.702E+01	2.199E-03	4.029E-05	1.626E-06	2.200E-03	4.202E-01	8.402E-03	6.724E-02	4.401E-04
524222.3	4260127	7.717E+01	2.532E-03	4.639E-05	1.872E-06	2.533E-03	4.839E-01	9.674E-03	7.742E-02	5.067E-04
524232.3	4260127	8.999E+01	2.952E-03	5.410E-05	2.184E-06	2.954E-03	5.642E-01	1.128E-02	9.028E-02	5.909E-04
524242.3	4260127	1.052E+02	3.453E-03	6.327E-05	2.554E-06	3.455E-03	6.599E-01	1.319E-02	1.056E-01	6.911E-04
524252.3	4260127	1.223E+02	4.013E-03	7.353E-05	2.968E-06	4.016E-03	7.669E-01	1.533E-02	1.227E-01	8.031E-04
524262.3	4260127	1.415E+02	4.642E-03	8.506E-05	3.433E-06	4.646E-03	8.872E-01	1.774E-02	1.420E-01	9.291E-04
524272.3	4260127	1.537E+02	5.043E-03	9.240E-05	3.730E-06	5.046E-03	9.638E-01	1.927E-02	1.542E-01	1.009E-03
524282.3	4260127	1.694E+02	5.558E-03	1.018E-04	4.111E-06	5.562E-03	1.062E+00	2.124E-02	1.700E-01	1.112E-03
524142.3	4260137	3.248E+01	1.066E-03	1.953E-05	7.881E-07	1.066E-03	2.037E-01	4.072E-03	3.259E-02	2.133E-04
524152.3	4260137	3.584E+01	1.176E-03	2.154E-05	8.697E-07	1.177E-03	2.247E-01	4.493E-03	3.596E-02	2.353E-04
524162.3	4260137	3.969E+01	1.302E-03	2.386E-05	9.630E-07	1.303E-03	2.488E-01	4.975E-03	3.982E-02	2.606E-04
524172.3	4260137	4.414E+01	1.448E-03	2.653E-05	1.071E-06	1.449E-03	2.768E-01	5.533E-03	4.428E-02	2.898E-04
524182.3	4260137	4.926E+01	1.616E-03	2.961E-05	1.195E-06	1.617E-03	3.089E-01	6.176E-03	4.942E-02	3.235E-04
524192.3	4260137	5.525E+01	1.812E-03	3.321E-05	1.341E-06	1.814E-03	3.464E-01	6.926E-03	5.543E-02	3.628E-04
524202.3	4260137	6.245E+01	2.049E-03	3.754E-05	1.515E-06	2.050E-03	3.916E-01	7.829E-03	6.266E-02	4.101E-04
524212.3	4260137	7.089E+01	2.325E-03	4.261E-05	1.720E-06	2.327E-03	4.445E-01	8.886E-03	7.112E-02	4.654E-04
524222.3	4260137	8.131E+01	2.667E-03	4.888E-05	1.973E-06	2.669E-03	5.098E-01	1.019E-02	8.157E-02	5.339E-04
524232.3	4260137	9.435E+01	3.095E-03	5.672E-05	2.289E-06	3.098E-03	5.916E-01	1.183E-02	9.466E-02	6.195E-04
524242.3	4260137	1.102E+02	3.616E-03	6.625E-05	2.674E-06	3.618E-03	6.911E-01	1.382E-02	1.106E-01	7.237E-04
524252.3	4260137	1.281E+02	4.203E-03	7.701E-05	3.108E-06	4.206E-03	8.032E-01	1.606E-02	1.285E-01	8.411E-04
524262.3	4260137	1.493E+02	4.898E-03	8.974E-05	3.622E-06	4.901E-03	9.361E-01	1.872E-02	1.498E-01	9.803E-04
524272.3	4260137	1.600E+02	5.250E-03	9.620E-05	3.883E-06	5.254E-03	1.003E+00	2.006E-02	1.605E-01	1.051E-03
524282.3	4260137	1.746E+02	5.728E-03	1.050E-04	4.237E-06	5.732E-03	1.095E+00	2.189E-02	1.752E-01	1.146E-03
524142.3	4260147	3.491E+01	1.145E-03	2.099E-05	8.471E-07	1.146E-03	2.189E-01	4.376E-03	3.502E-02	2.292E-04
524152.3	4260147	3.847E+01	1.262E-03	2.313E-05	9.335E-07	1.263E-03	2.412E-01	4.823E-03	3.860E-02	2.526E-04
524162.3	4260147	4.253E+01	1.395E-03	2.557E-05	1.032E-06	1.396E-03	2.667E-01	5.323E-03	4.267E-02	2.793E-04
524172.3	4260147	4.722E+01	1.549E-03	2.839E-05	1.146E-06	1.550E-03	2.961E-01	5.920E-03	4.738E-02	3.101E-04
524182.3	4260147	5.257E+01	1.725E-03	3.160E-05	1.276E-06	1.726E-03	3.296E-01	6.590E-03	5.274E-02	3.452E-04
524192.3	4260147	5.883E+01	1.930E-03	3.537E-05	1.428E-06	1.931E-03	3.689E-01	7.375E-03	5.902E-02	3.863E-04
524202.3	4260147	6.625E+01	2.173E-03	3.982E-05	1.607E-06	2.175E-03	4.154E-01	8.305E-03	6.647E-02	4.350E-04
524212.3	4260147	7.493E+01	2.458E-03	4.504E-05	1.818E-06	2.460E-03	4.698E-01	9.393E-03	7.517E-02	4.920E-04
524222.3	4260147	8.544E+01	2.803E-03	5.136E-05	2.073E-06	2.805E-03	5.357E-01	1.071E-02	8.572E-02	5.610E-04
524232.3	4260147	9.835E+01	3.226E-03	5.912E-05	2.386E-06	3.229E-03	6.167E-01	1.233E-02	9.867E-02	6.458E-04
524242.3	4260147	1.139E+02	3.736E-03	6.846E-05	2.763E-06	3.739E-03	7.141E-01	1.428E-02	1.143E-01	7.478E-04
524252.3	4260147	1.315E+02	4.315E-03	7.907E-05	3.192E-06	4.318E-03	8.247E-01	1.649E-02	1.320E-01	8.637E-04
524262.3	4260147	1.517E+02	4.976E-03	9.118E-05	3.680E-06	4.980E-03	9.510E-01	1.901E-02	1.522E-01	9.959E-04
524272.3	4260147	1.634E+02	5.359E-03	9.820E-05	3.964E-06	5.363E-03	1.024E+00	2.048E-02	1.639E-01	1.073E-03
524282.3	4260147	1.782E+02	5.847E-03	1.071E-04	4.324E-06	5.851E-03	1.117E+00	2.234E-02	1.788E-01	1.170E-03
524142.3	4260157	3.738E+01	1.226E-03	2.247E-05	9.069E-07	1.227E-03	2.344E-01	4.685E-03	3.750E-02	2.454E-04
524152.3	4260157	4.117E+01	1.351E-03	2.475E-05	9.990E-07	1.352E-03	2.582E-01	5.162E-03	4.131E-02	2.703E-04
524162.3	4260157	4.550E+01	1.493E-03	2.735E-05	1.104E-06	1.494E-03	2.853E-01	5.704E-03	4.565E-02	2.988E-04
524172.3	4260157	5.042E+01	1.654E-03	3.031E-05	1.223E-06	1.655E-03	3.161E-01	6.321E-03	5.059E-02	3.311E-04
524182.3	4260157	5.604E+01	1.838E-03	3.369E-05	1.360E-06	1.840E-03	3.514E-01	7.025E-03	5.622E-02	3.680E-04
524192.3	42601									

524162.3	4260167	4.845E+01	1.589E-03	2.912E-05	1.176E-06	1.591E-03	3.038E-01	6.074E-03	4.861E-02	3.181E-04
524172.3	4260167	5.361E+01	1.759E-03	3.223E-05	1.301E-06	1.760E-03	3.362E-01	6.721E-03	5.379E-02	3.520E-04
524182.3	4260167	5.948E+01	1.951E-03	3.575E-05	1.443E-06	1.953E-03	3.729E-01	7.456E-03	5.967E-02	3.905E-04
524192.3	4260167	6.620E+01	2.172E-03	3.979E-05	1.606E-06	2.173E-03	4.151E-01	8.298E-03	6.641E-02	4.346E-04
524202.3	4260167	7.400E+01	2.428E-03	4.448E-05	1.796E-06	2.429E-03	4.640E-01	9.277E-03	7.424E-02	4.859E-04
524212.3	4260167	8.295E+01	2.721E-03	4.986E-05	2.013E-06	2.723E-03	5.201E-01	1.040E-02	8.322E-02	5.447E-04
524222.3	4260167	9.340E+01	3.064E-03	5.614E-05	2.266E-06	3.066E-03	5.856E-01	1.171E-02	9.370E-02	6.132E-04
524232.3	4260167	1.055E+02	3.460E-03	6.340E-05	2.559E-06	3.462E-03	6.613E-01	1.322E-02	1.058E-01	6.925E-04
524242.3	4260167	1.187E+02	3.894E-03	7.135E-05	2.880E-06	3.897E-03	7.442E-01	1.488E-02	1.191E-01	7.793E-04
524252.3	4260167	1.324E+02	4.345E-03	7.962E-05	3.214E-06	4.348E-03	8.304E-01	1.660E-02	1.329E-01	8.696E-04
524262.3	4260167	1.475E+02	4.839E-03	8.866E-05	3.579E-06	4.842E-03	9.248E-01	1.849E-02	1.480E-01	9.684E-04
524272.3	4260167	1.633E+02	5.357E-03	9.816E-05	3.962E-06	5.361E-03	1.024E+00	2.047E-02	1.638E-01	1.072E-03
524282.3	4260167	1.807E+02	5.927E-03	1.086E-04	4.383E-06	5.931E-03	1.133E+00	2.265E-02	1.812E-01	1.186E-03
524142.3	4260177	4.234E+01	1.389E-03	2.545E-05	1.027E-06	1.390E-03	2.655E-01	5.308E-03	4.248E-02	2.780E-04
524152.3	4260177	4.658E+01	1.528E-03	2.800E-05	1.130E-06	1.529E-03	2.921E-01	5.839E-03	4.673E-02	3.059E-04
524162.3	4260177	5.137E+01	1.685E-03	3.088E-05	1.247E-06	1.687E-03	3.221E-01	6.440E-03	5.154E-02	3.373E-04
524172.3	4260177	5.676E+01	1.862E-03	3.412E-05	1.377E-06	1.863E-03	3.559E-01	7.115E-03	5.694E-02	3.727E-04
524182.3	4260177	6.280E+01	2.060E-03	3.775E-05	1.524E-06	2.062E-03	3.938E-01	7.873E-03	6.300E-02	4.123E-04
524192.3	4260177	6.970E+01	2.287E-03	4.190E-05	1.691E-06	2.288E-03	4.370E-01	8.738E-03	6.993E-02	4.577E-04
524202.3	4260177	7.766E+01	2.548E-03	4.668E-05	1.884E-06	2.550E-03	4.869E-01	9.736E-03	7.791E-02	5.099E-04
524212.3	4260177	8.664E+01	2.842E-03	5.208E-05	2.102E-06	2.844E-03	5.432E-01	1.086E-02	8.692E-02	5.689E-04
524222.3	4260177	9.696E+01	3.181E-03	5.829E-05	2.353E-06	3.183E-03	6.080E-01	1.215E-02	9.728E-02	6.366E-04
524232.3	4260177	1.087E+02	3.568E-03	6.537E-05	2.639E-06	3.570E-03	6.819E-01	1.363E-02	1.091E-01	7.141E-04
524242.3	4260177	1.213E+02	3.980E-03	7.292E-05	2.944E-06	3.983E-03	7.606E-01	1.521E-02	1.217E-01	7.965E-04
524252.3	4260177	1.344E+02	4.409E-03	8.079E-05	3.261E-06	4.412E-03	8.427E-01	1.685E-02	1.348E-01	8.825E-04
524262.3	4260177	1.489E+02	4.886E-03	8.953E-05	3.614E-06	4.890E-03	9.339E-01	1.867E-02	1.494E-01	9.779E-04
524272.3	4260177	1.648E+02	5.405E-03	9.905E-05	3.998E-06	5.409E-03	1.033E+00	2.066E-02	1.653E-01	1.082E-03
524282.3	4260177	1.823E+02	5.979E-03	1.096E-04	4.422E-06	5.984E-03	1.143E+00	2.285E-02	1.829E-01	1.197E-03
524142.3	4260187	4.481E+01	1.470E-03	2.694E-05	1.087E-06	1.471E-03	2.810E-01	5.617E-03	4.496E-02	2.942E-04
524152.3	4260187	4.925E+01	1.616E-03	2.961E-05	1.195E-06	1.617E-03	3.088E-01	6.174E-03	4.941E-02	3.234E-04
524162.3	4260187	5.423E+01	1.779E-03	3.260E-05	1.316E-06	1.781E-03	3.401E-01	6.799E-03	5.441E-02	3.561E-04
524172.3	4260187	5.979E+01	1.962E-03	3.594E-05	1.451E-06	1.963E-03	3.749E-01	7.496E-03	5.999E-02	3.926E-04
524182.3	4260187	6.602E+01	2.166E-03	3.969E-05	1.602E-06	2.168E-03	4.140E-01	8.277E-03	6.624E-02	4.335E-04
524192.3	4260187	7.305E+01	2.397E-03	4.391E-05	1.773E-06	2.398E-03	4.580E-01	9.158E-03	7.329E-02	4.797E-04
524202.3	4260187	8.100E+01	2.657E-03	4.869E-05	1.965E-06	2.659E-03	5.079E-01	1.015E-02	8.126E-02	5.319E-04
524212.3	4260187	8.993E+01	2.950E-03	5.406E-05	2.182E-06	2.952E-03	5.639E-01	1.127E-02	9.022E-02	5.905E-04
524222.3	4260187	1.001E+02	3.284E-03	6.018E-05	2.429E-06	3.287E-03	6.277E-01	1.255E-02	1.004E-01	6.573E-04
524232.3	4260187	1.117E+02	3.665E-03	6.716E-05	2.711E-06	3.668E-03	7.006E-01	1.401E-02	1.121E-01	7.336E-04
524242.3	4260187	1.241E+02	4.070E-03	7.457E-05	3.010E-06	4.073E-03	7.778E-01	1.555E-02	1.245E-01	8.145E-04
524252.3	4260187	1.371E+02	4.497E-03	8.240E-05	3.326E-06	4.500E-03	8.595E-01	1.718E-02	1.375E-01	9.001E-04
524262.3	4260187	1.513E+02	4.963E-03	9.094E-05	3.671E-06	4.966E-03	9.485E-01	1.896E-02	1.518E-01	9.933E-04
524272.3	4260187	1.670E+02	5.477E-03	1.004E-04	4.051E-06	5.481E-03	1.047E+00	2.093E-02	1.675E-01	1.096E-03
524282.3	4260187	1.843E+02	6.045E-03	1.108E-04	4.471E-06	6.050E-03	1.155E+00	2.310E-02	1.849E-01	1.210E-03
524142.3	4260197	4.724E+01	1.550E-03	2.840E-05	1.146E-06	1.551E-03	2.962E-01	5.922E-03	4.740E-02	3.102E-04
524152.3	4260197	5.186E+01	1.701E-03	3.118E-05	1.258E-06	1.703E-03	3.252E-01	6.502E-03	5.203E-02	3.405E-04
524162.3	4260197	5.704E+01	1.871E-03	3.429E-05	1.384E-06	1.873E-03	3.576E-01	7.150E-03	5.722E-02	3.745E-04
524172.3	4260197	6.277E+01	2.059E-03	3.773E-05	1.523E-06	2.061E-03	3.936E-01	7.869E-03	6.297E-02	4.121E-04
524182.3	4260197	6.914E+01	2.268E-03	4.156E-05	1.678E-06	2.270E-03	4.335E-01	8.668E-03	6.937E-02	4.540E-04
524192.3	4260197	7.627E+01	2.502E-03	4.585E-05	1.851E-06	2.504E-03	4.782E-01	9.561E-03	7.651E-02	5.008E-04
524202.3	4260197	8.421E+01	2.763E-03	5.062E-05	2.043E-06	2.765E-03	5.280E-01	1.056E-02	8.449E-02	5.530E-04
524212.3	4260197	9.303E+01	3.052E-03	5.592E-05	2.257E-06	3.054E-03	5.833E-01	1.166E-02	9.333E-02	6.108E-04
524222.3	4260197	1.032E+02	3.385E-03	6.202E-05	2.503E-06	3.387E-03	6.469E-01	1.293E-02	1.035E-01	6.774E-04
524232.3	4260197	1.146E+02	3.759E-03	6.888E-05	2.780E-06	3.762E-03	7.185E-01	1.437E-02	1.150E-01	7.524E-04
524242.3	4260197	1.268E+02	4.160E-03	7.622E-05	3.077E-06	4.163E-03	7.950E-01	1.590E-02	1.272E-01	8.326E-04
524252.3	4260197	1.396E+02	4.579E-03	8.391E-05	3.387E-06	4.583E-03	8.752E-01	1.750E-02	1.400E-01	9.165E-04
524262.3	4260197	1.536E+02	5.039E-03	9.234E-05	3.727E-06	5.043E-03	9.631E-01	1.926E-02	1.541E-01	1.009E-03
524272.3	4260197	1.692E+02	5.550E-03	1.017E-04	4.105E-06	5.554E-03	1.061E+00	2.121E-02	1.697E-01	1.111E-03
524282.3	4260197	1.863E+02	6.112E-03	1.120E-04	4.521E-06	6.117E-03	1.168E+00	2.336E-02	1.869E-01	1.223E-03
524142.3	4260207	4.969E+01	1.630E-03	2.987E-05	1.206E-06	1.631E-03	3.115E-01	6.229E-03	4.985E-02	3.262E-04
524152.3	4260207	5.447E+01	1.787E-03	3.274E-05	1.322E-06	1.788E-03	3.415E-01	6.828E-03	5.464E-02	3.576E-04
524162.3	4260207	5.980E+01	1.962E-03	3.595E-05	1.451E-06	1.963E-03	3.750E-01	7.497E-03	6.000E-02	3.927E-04
524172.3	4260207	6.567E+01	2.154E-03	3.947E-05	1.593E-06	2.156E-03	4.117E-01	8.232E-03	6.588E-02	4.312E-04
524182.3	4260207	7.214E+01	2.367E-03	4.337E-05	1.750E-06	2.368E-03	4.523E-01	9.044E-03	7.238E-02	4.737E-04
524192.3	4260207	7.934E+01	2.603E-03	4.769E-05	1.925E-06	2.605E-03	4.974E-01	9.946E-03	7.959E-02	5.209E-04
524202.3	4260207	8.729E+01	2.864E-03	5.247E-05	2.118E-06	2.866E-03	5.473E-01	1.094E-02	8.758E-02	5.732E-04
524212.3	4260207	9.604E+01	3.151E-03	5.773E-05	2.330E-06	3.153E-03	6.022E-01	1.204E-02	9.635E-02	6.306E-04
524222.3	4260207	1.061E+02	3.481E-03	6.379E-05	2.575E-06	3.484E-03	6.653E-01	1.330E-02	1.065E-01	6.967E-04
524232.3	4260207	1.173E+02	3.849E-03	7.053E-05	2.847E-06	3.852E-03	7.357E-01	1.471E-02	1.177E-01	7.704E-04
524242.3	4260207	1.294E+02	4.244E-03	7.776E-05	3.139E-06	4.247E-03	8.111E-01	1.622E-02	1.298E-01	8.494E-04
524252.3	4260207	1.421E+02	4.662E-03	8.542E-05	3.448E-06	4.665E-03	8.910E-01	1.781E-02	1.426E-01	9.331E-04
524262.3	4260207	1.560E+02	5.118E-03	9.378E-05	3.785E-06	5.122E-03	9.781E-01	1.956E-02	1.565E-01	1.024E-03
524272.3	4260207	1.714E+02	5.624E-03	1.031E-04	4.160E-06	5.628E-03	1.075E+00	2.149E-02	1.720E-01	1.126E-03
524282.3	4260207	1.886E+02	6.186E-03	1.134E-04	4.575E-06	6.191E-03	1.182E+00	2.364E-02	1.892E-01	1.238E-03
524142.3	4260217	5.223E+01	1.713E-03	3.140E-05	1.267E-06	1.715E-03	3.275E-01	6.547E-03	5.240E-02	3.429E-04
524152.3	4260217	5.711E+01	1.874E-03	3.433E-05	1.386E-06	1.875E-03	3.581E-01	7.160E-03	5.730E-02	3.750E-04
524162.3	4260217	6.254E+01	2.052E-03	3.759E-05	1.517E-06	2.053E-03	3.921E-01	7.840E-03	6.274E-02	4.106E-04
524172.3	4260217	6.848E+01	2.247E-03	4.117E-05	1.662E-06	2.248E-03	4.294E-01	8.585E-03	6.871E-02	4.497E-04
524182.3	4260217	7.504E+01	2.462E-03	4.511E-05	1.821E-06	2.463E-03	4.705E-01	9.407E-03	7.528E-02	4.927E-04
524192.3	4260217	8.228E+01	2.699E-03	4.946E-05	1.997E-06	2.701E-03	5.159E-01	1.032E-02	8.255E-02	5.403E-04
524202.3	42602									

524172.3	4260227	7.121E+01	2.336E-03	4.281E-05	1.728E-06	2.338E-03	4.465E-01	8.928E-03	7.145E-02	4.676E-04
524182.3	4260227	7.782E+01	2.553E-03	4.678E-05	1.888E-06	2.555E-03	4.880E-01	9.756E-03	7.808E-02	5.110E-04
524192.3	4260227	8.511E+01	2.792E-03	5.116E-05	2.065E-06	2.794E-03	5.336E-01	1.067E-02	8.538E-02	5.588E-04
524202.3	4260227	9.318E+01	3.057E-03	5.601E-05	2.261E-06	3.059E-03	5.842E-01	1.168E-02	9.348E-02	6.118E-04
524212.3	4260227	1.020E+02	3.346E-03	6.131E-05	2.475E-06	3.348E-03	6.395E-01	1.279E-02	1.023E-01	6.697E-04
524222.3	4260227	1.119E+02	3.670E-03	6.724E-05	2.714E-06	3.672E-03	7.013E-01	1.402E-02	1.122E-01	7.345E-04
524232.3	4260227	1.227E+02	4.024E-03	7.373E-05	2.976E-06	4.027E-03	7.691E-01	1.538E-02	1.231E-01	8.054E-04
524242.3	4260227	1.344E+02	4.410E-03	8.081E-05	3.262E-06	4.413E-03	8.429E-01	1.685E-02	1.349E-01	8.827E-04
524252.3	4260227	1.471E+02	4.827E-03	8.844E-05	3.570E-06	4.830E-03	9.225E-01	1.844E-02	1.476E-01	9.660E-04
524262.3	4260227	1.612E+02	5.287E-03	9.687E-05	3.910E-06	5.291E-03	1.010E+00	2.020E-02	1.617E-01	1.058E-03
524272.3	4260227	1.765E+02	5.791E-03	1.061E-04	4.283E-06	5.795E-03	1.107E+00	2.213E-02	1.771E-01	1.159E-03
524282.3	4260227	1.936E+02	6.352E-03	1.164E-04	4.698E-06	6.357E-03	1.214E+00	2.427E-02	1.943E-01	1.271E-03
524142.3	4260237	5.726E+01	1.878E-03	3.442E-05	1.389E-06	1.880E-03	3.590E-01	7.178E-03	5.745E-02	3.760E-04
524152.3	4260237	6.226E+01	2.043E-03	3.743E-05	1.511E-06	2.044E-03	3.904E-01	7.806E-03	6.247E-02	4.088E-04
524162.3	4260237	6.779E+01	2.224E-03	4.075E-05	1.645E-06	2.226E-03	4.251E-01	8.498E-03	6.801E-02	4.451E-04
524172.3	4260237	7.383E+01	2.422E-03	4.438E-05	1.792E-06	2.424E-03	4.629E-01	9.256E-03	7.407E-02	4.848E-04
524182.3	4260237	8.046E+01	2.640E-03	4.837E-05	1.952E-06	2.641E-03	5.045E-01	1.009E-02	8.072E-02	5.283E-04
524192.3	4260237	8.778E+01	2.880E-03	5.277E-05	2.130E-06	2.882E-03	5.504E-01	1.100E-02	8.807E-02	5.764E-04
524202.3	4260237	9.587E+01	3.145E-03	5.763E-05	2.326E-06	3.147E-03	6.011E-01	1.202E-02	9.618E-02	6.295E-04
524212.3	4260237	1.047E+02	3.435E-03	6.295E-05	2.541E-06	3.438E-03	6.566E-01	1.313E-02	1.051E-01	6.876E-04
524222.3	4260237	1.145E+02	3.755E-03	6.880E-05	2.777E-06	3.758E-03	7.176E-01	1.435E-02	1.148E-01	7.515E-04
524232.3	4260237	1.251E+02	4.105E-03	7.521E-05	3.036E-06	4.108E-03	7.845E-01	1.568E-02	1.255E-01	8.215E-04
524242.3	4260237	1.368E+02	4.486E-03	8.221E-05	3.318E-06	4.490E-03	8.575E-01	1.714E-02	1.372E-01	8.980E-04
524252.3	4260237	1.495E+02	4.904E-03	8.986E-05	3.627E-06	4.908E-03	9.373E-01	1.874E-02	1.500E-01	9.815E-04
524262.3	4260237	1.634E+02	5.362E-03	9.826E-05	3.966E-06	5.366E-03	1.025E+00	2.049E-02	1.640E-01	1.073E-03
524272.3	4260237	1.788E+02	5.865E-03	1.075E-04	4.338E-06	5.870E-03	1.121E+00	2.241E-02	1.794E-01	1.174E-03
524282.3	4260237	1.959E+02	6.427E-03	1.178E-04	4.753E-06	6.431E-03	1.228E+00	2.456E-02	1.965E-01	1.286E-03
524142.3	4260247	6.012E+01	1.972E-03	3.614E-05	1.459E-06	1.974E-03	3.769E-01	7.536E-03	6.031E-02	3.947E-04
524152.3	4260247	6.503E+01	2.133E-03	3.909E-05	1.578E-06	2.135E-03	4.077E-01	8.152E-03	6.524E-02	4.270E-04
524162.3	4260247	7.046E+01	2.312E-03	4.236E-05	1.710E-06	2.313E-03	4.418E-01	8.833E-03	7.069E-02	4.627E-04
524172.3	4260247	7.650E+01	2.510E-03	4.599E-05	1.856E-06	2.512E-03	4.797E-01	9.590E-03	7.675E-02	5.023E-04
524182.3	4260247	8.312E+01	2.727E-03	4.997E-05	2.017E-06	2.729E-03	5.212E-01	1.042E-02	8.340E-02	5.458E-04
524192.3	4260247	9.040E+01	2.966E-03	5.435E-05	2.194E-06	2.968E-03	5.669E-01	1.133E-02	9.070E-02	5.936E-04
524202.3	4260247	9.851E+01	3.232E-03	5.922E-05	2.390E-06	3.234E-03	6.177E-01	1.235E-02	9.883E-02	6.468E-04
524212.3	4260247	1.073E+02	3.521E-03	6.451E-05	2.604E-06	3.523E-03	6.729E-01	1.345E-02	1.077E-01	7.047E-04
524222.3	4260247	1.170E+02	3.840E-03	7.036E-05	2.840E-06	3.842E-03	7.339E-01	1.467E-02	1.174E-01	7.685E-04
524232.3	4260247	1.276E+02	4.187E-03	7.672E-05	3.097E-06	4.190E-03	8.002E-01	1.600E-02	1.280E-01	8.380E-04
524242.3	4260247	1.392E+02	4.567E-03	8.369E-05	3.378E-06	4.571E-03	8.729E-01	1.745E-02	1.397E-01	9.141E-04
524252.3	4260247	1.519E+02	4.983E-03	9.130E-05	3.685E-06	4.986E-03	9.523E-01	1.904E-02	1.524E-01	9.973E-04
524262.3	4260247	1.658E+02	5.439E-03	9.965E-05	4.022E-06	5.443E-03	1.039E+00	2.078E-02	1.663E-01	1.089E-03
524272.3	4260247	1.812E+02	5.943E-03	1.089E-04	4.396E-06	5.947E-03	1.136E+00	2.271E-02	1.817E-01	1.189E-03
524282.3	4260247	1.982E+02	6.503E-03	1.192E-04	4.810E-06	6.508E-03	1.243E+00	2.485E-02	1.989E-01	1.302E-03
524142.3	4260257	6.328E+01	2.076E-03	3.804E-05	1.535E-06	2.077E-03	3.968E-01	7.933E-03	6.349E-02	4.155E-04
524152.3	4260257	6.789E+01	2.227E-03	4.081E-05	1.647E-06	2.229E-03	4.257E-01	8.511E-03	6.811E-02	4.458E-04
524162.3	4260257	7.311E+01	2.398E-03	4.395E-05	1.774E-06	2.400E-03	4.584E-01	9.165E-03	7.335E-02	4.800E-04
524172.3	4260257	7.966E+01	2.594E-03	4.753E-05	1.918E-06	2.596E-03	4.957E-01	9.912E-03	7.932E-02	5.191E-04
524182.3	4260257	8.563E+01	2.809E-03	5.148E-05	2.078E-06	2.811E-03	5.369E-01	1.074E-02	8.591E-02	5.623E-04
524192.3	4260257	9.290E+01	3.048E-03	5.584E-05	2.254E-06	3.050E-03	5.825E-01	1.165E-02	9.320E-02	6.100E-04
524202.3	4260257	1.010E+02	3.313E-03	6.070E-05	2.450E-06	3.315E-03	6.331E-01	1.266E-02	1.013E-01	6.630E-04
524212.3	4260257	1.097E+02	3.600E-03	6.596E-05	2.663E-06	3.603E-03	6.880E-01	1.376E-02	1.101E-01	7.205E-04
524222.3	4260257	1.194E+02	3.916E-03	7.176E-05	2.897E-06	3.919E-03	7.485E-01	1.496E-02	1.198E-01	7.838E-04
524232.3	4260257	1.299E+02	4.263E-03	7.811E-05	3.153E-06	4.266E-03	8.147E-01	1.629E-02	1.304E-01	8.532E-04
524242.3	4260257	1.414E+02	4.639E-03	8.500E-05	3.431E-06	4.642E-03	8.866E-01	1.773E-02	1.419E-01	9.284E-04
524252.3	4260257	1.539E+02	5.050E-03	9.254E-05	3.735E-06	5.054E-03	9.653E-01	1.930E-02	1.545E-01	1.011E-03
524262.3	4260257	1.677E+02	5.503E-03	1.008E-04	4.070E-06	5.507E-03	1.052E+00	2.103E-02	1.683E-01	1.101E-03
524272.3	4260257	1.830E+02	6.003E-03	1.100E-04	4.440E-06	6.007E-03	1.147E+00	2.294E-02	1.836E-01	1.201E-03
524282.3	4260257	1.998E+02	6.556E-03	1.201E-04	4.849E-06	6.560E-03	1.253E+00	2.505E-02	2.005E-01	1.312E-03
524204.7	4260013	1.933E+01	6.343E-04	1.162E-05	4.691E-07	6.348E-04	1.212E-01	2.424E-03	1.940E-02	1.270E-04
524203.4	4260005	1.781E+01	5.842E-04	1.071E-05	4.321E-07	5.847E-04	1.117E-01	2.232E-03	1.787E-02	1.169E-04
524204.7	4259998	1.690E+01	5.543E-04	1.016E-05	4.100E-07	5.547E-04	1.059E-01	2.118E-03	1.695E-02	1.109E-04
524204.4	4259988	1.564E+01	5.132E-04	9.403E-06	3.796E-07	5.136E-04	9.808E-02	1.961E-03	1.569E-02	1.027E-04
524189.1	4260004	1.565E+01	5.133E-04	9.406E-06	3.797E-07	5.137E-04	9.811E-02	1.962E-03	1.570E-02	1.027E-04
524189.4	4259994	1.447E+01	4.747E-04	8.698E-06	3.511E-07	4.750E-04	9.072E-02	1.814E-03	1.452E-02	9.500E-05
524190.8	4259983	1.357E+01	4.452E-04	8.158E-06	3.293E-07	4.455E-04	8.509E-02	1.701E-03	1.361E-02	8.911E-05
524246.8	4259946	1.806E+01	5.926E-04	1.086E-05	4.383E-07	5.930E-04	1.133E-01	2.265E-03	1.812E-02	1.186E-04
524255.3	4259930	1.887E+01	6.191E-04	1.134E-05	4.579E-07	6.196E-04	1.183E-01	2.366E-03	1.893E-02	1.239E-04
524250.5	4259938	1.825E+01	5.987E-04	1.097E-05	4.428E-07	5.991E-04	1.144E-01	2.288E-03	1.831E-02	1.198E-04
524232.5	4259936	1.522E+01	4.994E-04	9.151E-06	3.694E-07	4.998E-04	9.545E-02	1.908E-03	1.527E-02	9.996E-05
524220.5	4259938	1.383E+01	4.537E-04	8.314E-06	3.356E-07	4.541E-04	8.672E-02	1.734E-03	1.388E-02	9.081E-05
524212.6	4259950	1.350E+01	4.430E-04	8.118E-06	3.277E-07	4.433E-04	8.467E-02	1.693E-03	1.355E-02	8.867E-05
524206.3	4259958	1.329E+01	4.359E-04	7.988E-06	3.224E-07	4.362E-04	8.332E-02	1.666E-03	1.333E-02	8.725E-05
524199.4	4259957	1.262E+01	4.142E-04	7.589E-06	3.063E-07	4.145E-04	7.916E-02	1.583E-03	1.267E-02	8.289E-05
524188.3	4259954	1.160E+01	3.806E-04	6.973E-06	2.815E-07	3.808E-04	7.274E-02	1.454E-03	1.164E-02	7.617E-05
524196.9	4259946	1.193E+01	3.913E-04	7.171E-06	2.894E-07	3.916E-04	7.479E-02	1.495E-03	1.197E-02	7.832E-05
524203.7	4259948	1.255E+01	4.119E-04	7.547E-06	3.046E-07	4.122E-04	7.872E-02	1.574E-03	1.260E-02	8.244E-05
524199.4	4259935	1.172E+01	3.846E-04	7.048E-06	2.845E-07	3.849E-04	7.351E-02	1.470E-03	1.176E-02	7.698E-05
524206.6	4259925	1.206E+01	3.956E-04	7.249E-06	2.926E-07	3.959E-04	7.561E-02	1.512E-03	1.210E-02	7.918E-05
524213.1	4259918	1.251E+01	4.104E-04	7.520E-06	3.035E-07	4.107E-04	7.843E-02	1.568E-03	1.255E-02	8.214E-05
524241.9	4259920	1.615E+01	5.298E-04	9.708E-06	3.919E-07	5.302E-04	1.013E-01	2.024E-03	1.620E-02	1.060E-04
524216	4259908									

524243.9	4259835	1.591E+01	5.219E-04	9.562E-06	3.860E-07	5.222E-04	9.974E-02	1.994E-03	1.596E-02	1.044E-04
524250.5	4259824	1.688E+01	5.538E-04	1.015E-05	4.096E-07	5.542E-04	1.058E-01	2.116E-03	1.694E-02	1.108E-04
524243.6	4259822	1.575E+01	5.166E-04	9.467E-06	3.821E-07	5.170E-04	9.874E-02	1.974E-03	1.580E-02	1.034E-04
524232.8	4259816	1.411E+01	4.630E-04	8.484E-06	3.424E-07	4.633E-04	8.849E-02	1.769E-03	1.416E-02	9.267E-05
524225.1	4259826	1.315E+01	4.315E-04	7.907E-06	3.192E-07	4.319E-04	8.248E-02	1.649E-03	1.320E-02	8.637E-05
524218.3	4259837	1.239E+01	4.064E-04	7.447E-06	3.006E-07	4.067E-04	7.768E-02	1.553E-03	1.243E-02	8.135E-05
524210.6	4259847	1.161E+01	3.810E-04	6.981E-06	2.818E-07	3.813E-04	7.282E-02	1.456E-03	1.165E-02	7.625E-05
524202	4259858	1.087E+01	3.565E-04	6.532E-06	2.637E-07	3.567E-04	6.813E-02	1.362E-03	1.090E-02	7.135E-05
524265.8	4259728	1.761E+01	5.777E-04	1.059E-05	4.273E-07	5.781E-04	1.104E-01	2.207E-03	1.767E-02	1.156E-04
524273.5	4259714	1.832E+01	6.010E-04	1.101E-05	4.445E-07	6.014E-04	1.149E-01	2.297E-03	1.838E-02	1.203E-04
524276.9	4259699	1.835E+01	6.021E-04	1.103E-05	4.453E-07	6.025E-04	1.151E-01	2.301E-03	1.841E-02	1.205E-04
524260.9	4259694	1.621E+01	5.319E-04	9.747E-06	3.934E-07	5.323E-04	1.017E-01	2.033E-03	1.627E-02	1.065E-04
524251.8	4259711	1.546E+01	5.071E-04	9.292E-06	3.751E-07	5.075E-04	9.692E-02	1.938E-03	1.551E-02	1.015E-04
524250.7	4259723	1.551E+01	5.088E-04	9.324E-06	3.763E-07	5.092E-04	9.725E-02	1.944E-03	1.556E-02	1.018E-04
524265.2	4259621	1.504E+01	4.935E-04	9.043E-06	3.650E-07	4.939E-04	9.433E-02	1.886E-03	1.509E-02	9.878E-05
524284.9	4259588	1.600E+01	5.249E-04	9.618E-06	3.882E-07	5.253E-04	1.003E-01	2.006E-03	1.605E-02	1.051E-04
524305.7	4259555	1.671E+01	5.482E-04	1.005E-05	4.055E-07	5.486E-04	1.048E-01	2.095E-03	1.677E-02	1.097E-04
524315.1	4259565	1.794E+01	5.885E-04	1.078E-05	4.353E-07	5.890E-04	1.125E-01	2.249E-03	1.800E-02	1.178E-04
524304	4259604	1.838E+01	6.029E-04	1.105E-05	4.459E-07	6.033E-04	1.152E-01	2.304E-03	1.844E-02	1.207E-04
524638	4260128	6.498E+01	2.132E-03	3.906E-05	1.577E-06	2.133E-03	4.074E-01	8.146E-03	6.519E-02	4.267E-04
524645.9	4260114	4.818E+01	1.581E-03	2.896E-05	1.169E-06	1.582E-03	3.021E-01	6.040E-03	4.834E-02	3.164E-04
524647.1	4260105	5.249E+01	1.722E-03	3.155E-05	1.274E-06	1.723E-03	3.291E-01	6.580E-03	5.266E-02	3.446E-04
524662.5	4260078	5.534E+01	1.816E-03	3.327E-05	1.343E-06	1.817E-03	3.470E-01	6.938E-03	5.553E-02	3.634E-04
524692.1	4260054	4.982E+01	1.634E-03	2.995E-05	1.209E-06	1.636E-03	3.124E-01	6.246E-03	4.998E-02	3.271E-04
524752.6	4260051	5.618E+01	1.843E-03	3.377E-05	1.363E-06	1.844E-03	3.522E-01	7.042E-03	5.636E-02	3.689E-04
524338.9	4260405	1.810E+02	5.938E-03	1.088E-04	4.392E-06	5.942E-03	1.135E+00	2.269E-02	1.816E-01	1.188E-03
524441.4	4260404	4.910E+01	1.611E-03	2.952E-05	1.191E-06	1.612E-03	3.079E-01	6.155E-03	4.926E-02	3.224E-04
524539	4260370	1.802E+01	5.913E-04	1.083E-05	4.373E-07	5.917E-04	1.130E-01	2.260E-03	1.808E-02	1.183E-04
524566.4	4260357	1.665E+01	5.463E-04	1.001E-05	4.041E-07	5.467E-04	1.044E-01	2.088E-03	1.671E-02	1.093E-04
524530.2	4260390	1.748E+01	5.735E-04	1.051E-05	4.242E-07	5.739E-04	1.096E-01	2.191E-03	1.754E-02	1.148E-04
524498.3	4260239	1.988E+02	6.521E-03	1.195E-04	4.823E-06	6.526E-03	1.246E+00	2.492E-02	1.994E-01	1.305E-03
524477.4	4260263	2.159E+02	7.082E-03	1.298E-04	5.238E-06	7.087E-03	1.354E+00	2.706E-02	2.166E-01	1.417E-03
524494.8	4260256	1.942E+02	6.373E-03	1.168E-04	4.713E-06	6.377E-03	1.218E+00	2.435E-02	1.949E-01	1.275E-03
524515.7	4260222	1.784E+02	5.851E-03	1.072E-04	4.328E-06	5.856E-03	1.118E+00	2.236E-02	1.789E-01	1.171E-03
524519.7	4260239	1.687E+02	5.533E-03	1.014E-04	4.093E-06	5.537E-03	1.058E+00	2.114E-02	1.692E-01	1.107E-03
524519.2	4260249	1.634E+02	5.361E-03	9.823E-05	3.965E-06	5.365E-03	1.025E+00	2.048E-02	1.639E-01	1.073E-03
524529	4260211	1.639E+02	5.379E-03	9.855E-05	3.978E-06	5.383E-03	1.028E+00	2.055E-02	1.645E-01	1.077E-03
524535.4	4260222	1.525E+02	5.003E-03	9.167E-05	3.700E-06	5.006E-03	9.562E-01	1.912E-02	1.530E-01	1.001E-03
524534.2	4260237	1.483E+02	4.865E-03	8.915E-05	3.599E-06	4.869E-03	9.299E-01	1.859E-02	1.488E-01	9.738E-04
524547	4260197	1.395E+02	4.577E-03	8.386E-05	3.385E-06	4.580E-03	8.747E-01	1.749E-02	1.400E-01	9.160E-04
524547	4260211	1.401E+02	4.595E-03	8.421E-05	3.399E-06	4.599E-03	8.783E-01	1.756E-02	1.405E-01	9.198E-04
524549.9	4260224	1.333E+02	4.375E-03	8.016E-05	3.236E-06	4.378E-03	8.361E-01	1.672E-02	1.338E-01	8.756E-04
524560.3	4260187	1.253E+02	4.109E-03	7.530E-05	3.039E-06	4.112E-03	7.854E-01	1.570E-02	1.257E-01	8.225E-04
524569	4260204	1.173E+02	3.848E-03	7.051E-05	2.846E-06	3.851E-03	7.355E-01	1.470E-02	1.177E-01	7.702E-04
524580	4260181	1.138E+02	3.733E-03	6.840E-05	2.761E-06	3.736E-03	7.134E-01	1.426E-02	1.142E-01	7.471E-04
524580	4260198	1.096E+02	3.597E-03	6.591E-05	2.660E-06	3.599E-03	6.874E-01	1.374E-02	1.100E-01	7.199E-04
524588.1	4260163	1.074E+02	3.523E-03	6.455E-05	2.605E-06	3.525E-03	6.733E-01	1.346E-02	1.077E-01	7.050E-04
524598.6	4260183	1.005E+02	3.298E-03	6.043E-05	2.439E-06	3.300E-03	6.303E-01	1.260E-02	1.009E-01	6.600E-04
524596.3	4260170	1.040E+02	3.412E-03	6.251E-05	2.523E-06	3.414E-03	6.521E-01	1.304E-02	1.043E-01	6.828E-04
524290.8	4259394	1.163E+01	3.815E-04	6.990E-06	2.822E-07	3.818E-04	7.291E-02	1.458E-03	1.167E-02	7.635E-05
524300.9	4259318	1.057E+01	3.467E-04	6.353E-06	2.564E-07	3.470E-04	6.627E-02	1.325E-03	1.060E-02	6.939E-05
524313.2	4259257	9.919E+00	3.254E-04	5.963E-06	2.407E-07	3.256E-04	6.219E-02	1.243E-03	9.951E-03	6.513E-05
524355.4	4259275	1.175E+01	3.855E-04	7.064E-06	2.851E-07	3.858E-04	7.368E-02	1.473E-03	1.179E-02	7.716E-05
524363.7	4259262	1.178E+01	3.864E-04	7.081E-06	2.858E-07	3.867E-04	7.386E-02	1.477E-03	1.182E-02	7.735E-05
524374.4	4259248	1.190E+01	3.904E-04	7.153E-06	2.887E-07	3.907E-04	7.461E-02	1.492E-03	1.194E-02	7.814E-05
524317.9	4259219	9.449E+00	3.100E-04	5.680E-06	2.293E-07	3.102E-04	5.924E-02	1.184E-03	9.479E-03	6.204E-05
524384.5	4259228	1.184E+01	3.885E-04	7.119E-06	2.873E-07	3.888E-04	7.425E-02	1.485E-03	1.188E-02	7.776E-05
524333.2	4259184	9.351E+00	3.068E-04	5.621E-06	2.269E-07	3.070E-04	5.863E-02	1.172E-03	9.382E-03	6.140E-05
524398.6	4259201	1.176E+01	3.858E-04	7.069E-06	2.854E-07	3.861E-04	7.374E-02	1.474E-03	1.180E-02	7.722E-05
524358.7	4259346	1.362E+01	4.468E-04	8.187E-06	3.305E-07	4.471E-04	8.540E-02	1.707E-03	1.366E-02	8.943E-05
524368.4	4259315	1.326E+01	4.348E-04	7.968E-06	3.216E-07	4.352E-04	8.311E-02	1.662E-03	1.330E-02	8.703E-05
524387.4	4259292	1.351E+01	4.431E-04	8.118E-06	3.277E-07	4.434E-04	8.468E-02	1.693E-03	1.355E-02	8.868E-05

Emerald Isle Condominium Project

Estimation of Annual Average PM2.5

Mitigated

Annual Average Onsite Dust Emission Rate: 1.595E-08
 Multiplication Factor 0.0001
 Annual Average Offsite Dust Emission Rate 4.295E-05
 Multiplication Factor 0.0001

**MAX Annual
 PM2.5 (ug/m3)
 5.823E-02**

X (x)	Y (x)	Onsite	Onsite	Offsite	Offsite	Fugitive Dust	Exhaust	Total
		Annual Dust Exhaust w/Unit Emissions (ug/m3)	Annual Dust Exhaust w/Actual Emissions (ug/m3)	Annual Dust Exhaust w/Unit Emissions (ug/m3)	Annual Dust Exhaust w/Actual Emissions (ug/m3)	Total (ug/m3)	Total (ug/m3)	PM2.5 (ug/m3)
524142.3	4260057	2.107E+01	3.361E-03	1.058E-02	4.544E-03	7.905E-03	8.791E-04	8.784E-03
524152.3	4260057	2.396E+01	3.822E-03	9.010E-03	3.870E-03	7.692E-03	5.987E-04	8.291E-03
524162.3	4260057	2.794E+01	4.457E-03	7.000E-03	3.006E-03	7.463E-03	6.605E-04	8.124E-03
524172.3	4260057	3.147E+01	5.019E-03	6.580E-03	2.826E-03	7.845E-03	7.276E-04	8.573E-03
524182.3	4260057	3.505E+01	5.590E-03	6.580E-03	2.826E-03	8.416E-03	8.038E-04	9.220E-03
524192.3	4260057	3.955E+01	6.308E-03	6.530E-03	2.805E-03	9.113E-03	8.951E-04	1.001E-02
524202.3	4260057	4.550E+01	7.257E-03	6.350E-03	2.727E-03	9.985E-03	1.006E-03	1.099E-02
524212.3	4260057	5.292E+01	8.442E-03	6.260E-03	2.689E-03	1.113E-02	1.140E-03	1.227E-02
524222.3	4260057	6.163E+01	9.830E-03	6.460E-03	2.775E-03	1.260E-02	1.302E-03	1.391E-02
524232.3	4260057	7.309E+01	1.166E-02	6.730E-03	2.890E-03	1.455E-02	1.502E-03	1.605E-02
524242.3	4260057	8.845E+01	1.411E-02	7.120E-03	3.058E-03	1.717E-02	1.752E-03	1.892E-02
524252.3	4260057	1.102E+02	1.758E-02	7.400E-03	3.178E-03	2.075E-02	2.068E-03	2.282E-02
524262.3	4260057	1.399E+02	2.232E-02	7.640E-03	3.281E-03	2.560E-02	2.468E-03	2.807E-02
524272.3	4260057	1.802E+02	2.875E-02	8.020E-03	3.445E-03	3.219E-02	2.972E-03	3.517E-02
524282.3	4260057	2.379E+02	3.795E-02	8.220E-03	3.530E-03	4.148E-02	3.608E-03	4.509E-02
524142.3	4260067	2.290E+01	3.653E-03	8.810E-03	3.784E-03	7.436E-03	5.957E-04	8.032E-03
524152.3	4260067	2.647E+01	4.221E-03	7.500E-03	3.221E-03	7.443E-03	6.560E-04	8.099E-03
524162.3	4260067	3.141E+01	5.009E-03	5.960E-03	2.560E-03	7.569E-03	7.286E-04	8.298E-03
524172.3	4260067	3.571E+01	5.696E-03	5.590E-03	2.401E-03	8.097E-03	8.067E-04	8.904E-03
524182.3	4260067	4.034E+01	6.435E-03	5.460E-03	2.345E-03	8.780E-03	8.960E-04	9.676E-03
524192.3	4260067	4.572E+01	7.292E-03	5.430E-03	2.332E-03	9.624E-03	1.001E-03	1.063E-02
524202.3	4260067	5.282E+01	8.425E-03	5.330E-03	2.289E-03	1.071E-02	1.129E-03	1.184E-02
524212.3	4260067	6.166E+01	9.836E-03	5.220E-03	2.242E-03	1.208E-02	1.283E-03	1.336E-02
524222.3	4260067	7.243E+01	1.155E-02	5.290E-03	2.272E-03	1.383E-02	1.469E-03	1.529E-02
524232.3	4260067	8.566E+01	1.366E-02	5.560E-03	2.388E-03	1.605E-02	1.695E-03	1.774E-02
524242.3	4260067	1.032E+02	1.646E-02	5.820E-03	2.500E-03	1.896E-02	1.974E-03	2.094E-02
524252.3	4260067	1.277E+02	2.037E-02	5.980E-03	2.568E-03	2.294E-02	2.327E-03	2.526E-02
524262.3	4260067	1.595E+02	2.544E-02	6.180E-03	2.654E-03	2.809E-02	2.762E-03	3.085E-02
524272.3	4260067	2.025E+02	3.231E-02	6.280E-03	2.697E-03	3.500E-02	3.304E-03	3.831E-02
524282.3	4260067	2.621E+02	4.181E-02	6.100E-03	2.620E-03	4.443E-02	3.976E-03	4.841E-02
524142.3	4260077	2.500E+01	3.987E-03	7.400E-03	3.178E-03	7.165E-03	6.502E-04	7.815E-03
524152.3	4260077	2.930E+01	4.674E-03	6.320E-03	2.714E-03	7.388E-03	7.197E-04	8.108E-03
524162.3	4260077	3.529E+01	5.629E-03	5.090E-03	2.186E-03	7.815E-03	8.049E-04	8.620E-03
524172.3	4260077	4.057E+01	6.471E-03	4.580E-03	1.967E-03	8.438E-03	8.968E-04	9.335E-03
524182.3	4260077	4.599E+01	7.336E-03	4.470E-03	1.920E-03	9.255E-03	9.991E-04	1.025E-02
524192.3	4260077	5.275E+01	8.415E-03	4.350E-03	1.868E-03	1.028E-02	1.122E-03	1.140E-02
524202.3	4260077	6.103E+01	9.735E-03	4.280E-03	1.838E-03	1.157E-02	1.268E-03	1.284E-02
524212.3	4260077	7.127E+01	1.137E-02	4.270E-03	1.834E-03	1.320E-02	1.444E-03	1.465E-02
524222.3	4260077	8.351E+01	1.332E-02	4.400E-03	1.890E-03	1.521E-02	1.652E-03	1.686E-02
524232.3	4260077	9.895E+01	1.578E-02	4.580E-03	1.967E-03	1.775E-02	1.905E-03	1.966E-02
524242.3	4260077	1.186E+02	1.892E-02	4.790E-03	2.057E-03	2.097E-02	2.213E-03	2.319E-02
524252.3	4260077	1.445E+02	2.304E-02	4.930E-03	2.117E-03	2.516E-02	2.594E-03	2.776E-02
524262.3	4260077	1.782E+02	2.842E-02	5.000E-03	2.147E-03	3.057E-02	3.061E-03	3.363E-02
524272.3	4260077	2.226E+02	3.550E-02	4.920E-03	2.113E-03	3.762E-02	3.631E-03	4.125E-02
524282.3	4260077	2.818E+02	4.495E-02	4.620E-03	1.984E-03	4.693E-02	4.321E-03	5.125E-02
524142.3	4260087	2.710E+01	4.323E-03	6.540E-03	2.809E-03	7.132E-03	7.089E-04	7.840E-03
524152.3	4260087	3.181E+01	5.074E-03	5.740E-03	2.465E-03	7.540E-03	7.867E-04	8.326E-03
524162.3	4260087	3.837E+01	6.120E-03	4.740E-03	2.036E-03	8.155E-03	8.820E-04	9.037E-03
524172.3	4260087	4.438E+01	7.079E-03	4.250E-03	1.825E-03	8.904E-03	9.863E-04	9.891E-03
524182.3	4260087	5.079E+01	8.101E-03	4.060E-03	1.744E-03	9.845E-03	1.104E-03	1.095E-02
524192.3	4260087	5.851E+01	9.333E-03	3.933E-03	1.688E-03	1.102E-02	1.244E-03	1.226E-02
524202.3	4260087	6.788E+01	1.083E-02	3.840E-03	1.649E-03	1.248E-02	1.411E-03	1.389E-02
524212.3	4260087	7.931E+01	1.265E-02	3.780E-03	1.623E-03	1.427E-02	1.610E-03	1.588E-02
524222.3	4260087	9.298E+01	1.483E-02	3.820E-03	1.641E-03	1.647E-02	1.844E-03	1.832E-02
524232.3	4260087	1.100E+02	1.755E-02	3.890E-03	1.671E-03	1.922E-02	2.127E-03	2.134E-02

524242.3	4260087	1.314E+02	2.096E-02	3.960E-03	1.701E-03	2.266E-02	2.468E-03	2.513E-02
524252.3	4260087	1.585E+02	2.527E-02	3.990E-03	1.714E-03	2.699E-02	2.880E-03	2.987E-02
524262.3	4260087	1.930E+02	3.078E-02	3.980E-03	1.709E-03	3.249E-02	3.371E-03	3.586E-02
524272.3	4260087	2.374E+02	3.787E-02	3.890E-03	1.671E-03	3.954E-02	3.952E-03	4.349E-02
524282.3	4260087	2.946E+02	4.699E-02	3.670E-03	1.576E-03	4.857E-02	4.630E-03	5.320E-02
524142.3	4260097	2.938E+01	4.687E-03	5.850E-03	2.513E-03	7.199E-02	7.725E-04	7.972E-03
524152.3	4260097	3.401E+01	5.424E-03	5.460E-03	2.345E-03	7.769E-03	8.568E-04	8.626E-03
524162.3	4260097	4.035E+01	6.437E-03	4.740E-03	2.036E-03	8.472E-03	9.581E-04	9.430E-03
524172.3	4260097	4.680E+01	7.465E-03	4.380E-03	1.881E-03	9.347E-03	1.072E-03	1.042E-02
524182.3	4260097	5.392E+01	8.600E-03	4.150E-03	1.782E-03	1.038E-02	1.202E-03	1.158E-02
524192.3	4260097	6.279E+01	1.002E-02	3.870E-03	1.662E-03	1.168E-02	1.358E-03	1.304E-02
524202.3	4260097	7.352E+01	1.173E-02	3.690E-03	1.585E-03	1.331E-02	1.544E-03	1.485E-02
524212.3	4260097	8.639E+01	1.378E-02	3.550E-03	1.525E-03	1.530E-02	1.767E-03	1.707E-02
524222.3	4260097	1.012E+02	1.614E-02	3.470E-03	1.490E-03	1.763E-02	2.033E-03	1.966E-02
524232.3	4260097	1.187E+02	1.893E-02	3.350E-03	1.439E-03	2.037E-02	2.358E-03	2.272E-02
524242.3	4260097	1.401E+02	2.235E-02	3.290E-03	1.413E-03	2.376E-02	2.740E-03	2.650E-02
524252.3	4260097	1.672E+02	2.667E-02	3.260E-03	1.400E-03	2.807E-02	3.181E-03	3.125E-02
524262.3	4260097	2.007E+02	3.202E-02	3.150E-03	1.353E-03	3.337E-02	3.707E-03	3.708E-02
524272.3	4260097	2.464E+02	3.930E-02	3.140E-03	1.349E-03	4.065E-02	4.263E-03	4.491E-02
524282.3	4260097	3.028E+02	4.829E-02	3.010E-03	1.293E-03	4.959E-02	4.912E-03	5.450E-02
524142.3	4260107	3.175E+01	5.065E-03	5.310E-03	2.281E-03	7.346E-02	8.405E-04	8.186E-03
524152.3	4260107	3.649E+01	5.820E-03	5.120E-03	2.199E-03	8.019E-03	9.322E-04	8.951E-03
524162.3	4260107	4.244E+01	6.770E-03	4.710E-03	2.023E-03	8.792E-03	1.040E-03	9.832E-03
524172.3	4260107	4.915E+01	7.839E-03	4.380E-03	1.881E-03	9.720E-03	1.163E-03	1.088E-02
524182.3	4260107	5.713E+01	9.113E-03	4.100E-03	1.761E-03	1.087E-02	1.306E-03	1.218E-02
524192.3	4260107	6.719E+01	1.072E-02	3.800E-03	1.632E-03	1.235E-02	1.478E-03	1.383E-02
524202.3	4260107	7.935E+01	1.266E-02	3.510E-03	1.508E-03	1.416E-02	1.684E-03	1.585E-02
524212.3	4260107	9.366E+01	1.494E-02	3.300E-03	1.417E-03	1.636E-02	1.930E-03	1.829E-02
524222.3	4260107	1.091E+02	1.740E-02	3.110E-03	1.336E-03	1.874E-02	2.230E-03	2.097E-02
524232.3	4260107	1.264E+02	2.017E-02	2.930E-03	1.258E-03	2.143E-02	2.595E-03	2.402E-02
524242.3	4260107	1.470E+02	2.345E-02	2.790E-03	1.198E-03	2.465E-02	3.025E-03	2.767E-02
524252.3	4260107	1.729E+02	2.757E-02	2.690E-03	1.155E-03	2.873E-02	3.505E-03	3.223E-02
524262.3	4260107	2.047E+02	3.265E-02	2.560E-03	1.099E-03	3.375E-02	4.056E-03	3.781E-02
524272.3	4260107	2.521E+02	4.020E-02	2.580E-03	1.108E-03	4.131E-02	4.566E-03	4.588E-02
524282.3	4260107	3.090E+02	4.929E-02	2.570E-03	1.104E-03	5.039E-02	5.159E-03	5.555E-02
524142.3	4260117	3.427E+01	5.467E-03	4.850E-03	2.083E-03	7.550E-02	9.126E-04	8.463E-03
524152.3	4260117	3.890E+01	6.205E-03	4.870E-03	2.092E-03	8.296E-03	1.011E-03	9.307E-03
524162.3	4260117	4.457E+01	7.109E-03	4.670E-03	2.006E-03	9.114E-03	1.125E-03	1.024E-02
524172.3	4260117	5.118E+01	8.163E-03	4.420E-03	1.898E-03	1.006E-02	1.256E-03	1.132E-02
524182.3	4260117	5.951E+01	9.492E-03	4.120E-03	1.770E-03	1.126E-02	1.411E-03	1.267E-02
524192.3	4260117	6.951E+01	1.109E-02	3.870E-03	1.662E-03	1.275E-02	1.592E-03	1.434E-02
524202.3	4260117	8.295E+01	1.323E-02	3.550E-03	1.525E-03	1.476E-02	1.811E-03	1.657E-02
524212.3	4260117	9.920E+01	1.582E-02	3.230E-03	1.387E-03	1.721E-02	2.074E-03	1.928E-02
524222.3	4260117	1.173E+02	1.870E-02	2.950E-03	1.267E-03	1.997E-02	2.397E-03	2.237E-02
524232.3	4260117	1.346E+02	2.148E-02	2.660E-03	1.142E-03	2.262E-02	2.806E-03	2.543E-02
524242.3	4260117	1.544E+02	2.462E-02	2.460E-03	1.057E-03	2.568E-02	3.279E-03	2.896E-02
524252.3	4260117	1.791E+02	2.856E-02	2.330E-03	1.001E-03	2.956E-02	3.794E-03	3.335E-02
524262.3	4260117	2.075E+02	3.310E-02	2.150E-03	9.234E-04	3.402E-02	4.398E-03	3.842E-02
524272.3	4260117	2.570E+02	4.099E-02	2.210E-03	9.492E-04	4.194E-02	4.836E-03	4.677E-02
524282.3	4260117	3.137E+02	5.004E-02	2.230E-03	9.578E-04	5.100E-02	5.382E-03	5.638E-02
524142.3	4260127	3.685E+01	5.877E-03	4.470E-03	1.920E-03	7.797E-02	9.880E-04	8.785E-03
524152.3	4260127	4.137E+01	6.599E-03	4.610E-03	1.980E-03	8.579E-03	1.092E-03	9.671E-03
524162.3	4260127	4.671E+01	7.450E-03	4.590E-03	1.971E-03	9.421E-03	1.212E-03	1.063E-02
524172.3	4260127	5.303E+01	8.458E-03	4.450E-03	1.911E-03	1.037E-02	1.351E-03	1.172E-02
524182.3	4260127	6.057E+01	9.661E-03	4.270E-03	1.834E-03	1.150E-02	1.512E-03	1.301E-02
524192.3	4260127	7.010E+01	1.118E-02	4.030E-03	1.731E-03	1.291E-02	1.701E-03	1.461E-02
524202.3	4260127	8.356E+01	1.333E-02	3.660E-03	1.572E-03	1.490E-02	1.929E-03	1.683E-02
524212.3	4260127	1.009E+02	1.609E-02	3.330E-03	1.430E-03	1.752E-02	2.200E-03	1.972E-02
524222.3	4260127	1.230E+02	1.961E-02	2.920E-03	1.254E-03	2.087E-02	2.533E-03	2.340E-02
524232.3	4260127	1.442E+02	2.300E-02	2.560E-03	1.099E-03	2.410E-02	2.954E-03	2.705E-02
524242.3	4260127	1.642E+02	2.619E-02	2.300E-03	9.878E-04	2.718E-02	3.455E-03	3.063E-02
524252.3	4260127	1.872E+02	2.986E-02	2.100E-03	9.019E-04	3.076E-02	4.016E-03	3.478E-02
524262.3	4260127	2.141E+02	3.415E-02	1.910E-03	8.203E-04	3.497E-02	4.646E-03	3.961E-02
524272.3	4260127	2.632E+02	4.199E-02	1.970E-03	8.461E-04	4.283E-02	5.046E-03	4.788E-02
524282.3	4260127	3.180E+02	5.071E-02	2.010E-03	8.633E-04	5.158E-02	5.562E-03	5.714E-02
524142.3	4260137	3.952E+01	6.304E-03	4.120E-03	1.770E-03	8.074E-02	1.066E-03	9.140E-03
524152.3	4260137	4.399E+01	7.017E-03	4.330E-03	1.860E-03	8.876E-03	1.177E-03	1.005E-02
524162.3	4260137	4.917E+01	7.843E-03	4.390E-03	1.885E-03	9.728E-03	1.303E-03	1.103E-02
524172.3	4260137	5.541E+01	8.838E-03	4.310E-03	1.851E-03	1.069E-02	1.449E-03	1.214E-02
524182.3	4260137	6.273E+01	1.001E-02	4.170E-03	1.791E-03	1.180E-02	1.617E-03	1.341E-02
524192.3	4260137	7.181E+01	1.145E-02	3.990E-03	1.714E-03	1.317E-02	1.814E-03	1.498E-02

524202.3	4260137	8.466E+01	1.350E-02	3.670E-03	1.576E-03	1.508E-02	2.050E-03	1.713E-02
524212.3	4260137	1.012E+02	1.614E-02	3.330E-03	1.430E-03	1.757E-02	2.327E-03	1.989E-02
524222.3	4260137	1.255E+02	2.002E-02	2.890E-03	1.241E-03	2.126E-02	2.669E-03	2.393E-02
524232.3	4260137	1.524E+02	2.430E-02	2.460E-03	1.057E-03	2.536E-02	3.098E-03	2.846E-02
524242.3	4260137	1.731E+02	2.760E-02	2.150E-03	9.234E-04	2.853E-02	3.618E-03	3.215E-02
524252.3	4260137	1.952E+02	3.113E-02	1.920E-03	8.246E-04	3.196E-02	4.206E-03	3.616E-02
524262.3	4260137	2.186E+02	3.486E-02	1.710E-03	7.344E-04	3.559E-02	4.901E-03	4.050E-02
524272.3	4260137	2.676E+02	4.268E-02	1.760E-03	7.559E-04	4.344E-02	5.254E-03	4.869E-02
524282.3	4260137	3.210E+02	5.120E-02	1.820E-03	7.817E-04	5.198E-02	5.732E-03	5.771E-02
524142.3	4260147	4.214E+01	6.721E-03	3.820E-03	1.641E-03	8.362E-03	1.146E-03	9.508E-03
524152.3	4260147	4.672E+01	7.452E-03	4.000E-03	1.718E-03	9.170E-03	1.263E-03	1.043E-02
524162.3	4260147	5.202E+01	8.297E-03	4.060E-03	1.744E-03	1.004E-02	1.396E-03	1.144E-02
524172.3	4260147	5.841E+01	9.316E-03	3.990E-03	1.714E-03	1.103E-02	1.550E-03	1.258E-02
524182.3	4260147	6.575E+01	1.049E-02	3.850E-03	1.654E-03	1.214E-02	1.726E-03	1.387E-02
524192.3	4260147	7.500E+01	1.196E-02	3.730E-03	1.602E-03	1.356E-02	1.931E-03	1.550E-02
524202.3	4260147	8.730E+01	1.393E-02	3.520E-03	1.512E-03	1.544E-02	2.175E-03	1.761E-02
524212.3	4260147	1.035E+02	1.651E-02	3.220E-03	1.383E-03	1.789E-02	2.460E-03	2.035E-02
524222.3	4260147	1.274E+02	2.031E-02	2.810E-03	1.207E-03	2.152E-02	2.805E-03	2.433E-02
524232.3	4260147	1.573E+02	2.509E-02	2.370E-03	1.018E-03	2.611E-02	3.229E-03	2.934E-02
524242.3	4260147	1.818E+02	2.901E-02	2.050E-03	8.805E-04	2.989E-02	3.739E-03	3.362E-02
524252.3	4260147	2.049E+02	3.269E-02	1.820E-03	7.817E-04	3.347E-02	4.318E-03	3.779E-02
524262.3	4260147	2.295E+02	3.661E-02	1.620E-03	6.958E-04	3.731E-02	4.980E-03	4.229E-02
524272.3	4260147	2.752E+02	4.390E-02	1.660E-03	7.130E-04	4.461E-02	5.363E-03	4.997E-02
524282.3	4260147	3.238E+02	5.165E-02	1.700E-03	7.301E-04	5.238E-02	5.851E-03	5.823E-02
524142.3	4260157	4.475E+01	7.137E-03	3.540E-03	1.520E-03	8.658E-03	1.227E-03	9.885E-03
524152.3	4260157	4.965E+01	7.919E-03	3.690E-03	1.585E-03	9.504E-03	1.352E-03	1.086E-02
524162.3	4260157	5.536E+01	8.830E-03	3.740E-03	1.606E-03	1.044E-02	1.494E-03	1.193E-02
524172.3	4260157	6.196E+01	9.883E-03	3.670E-03	1.576E-03	1.146E-02	1.655E-03	1.311E-02
524182.3	4260157	6.969E+01	1.112E-02	3.550E-03	1.525E-03	1.264E-02	1.840E-03	1.448E-02
524192.3	4260157	7.922E+01	1.264E-02	3.430E-03	1.473E-03	1.411E-02	2.054E-03	1.616E-02
524202.3	4260157	9.154E+01	1.460E-02	3.270E-03	1.404E-03	1.601E-02	2.304E-03	1.831E-02
524212.3	4260157	1.073E+02	1.712E-02	3.020E-03	1.297E-03	1.841E-02	2.595E-03	2.101E-02
524222.3	4260157	1.294E+02	2.063E-02	2.690E-03	1.155E-03	2.179E-02	2.938E-03	2.473E-02
524232.3	4260157	1.589E+02	2.535E-02	2.310E-03	9.921E-04	2.634E-02	3.350E-03	2.969E-02
524242.3	4260157	1.877E+02	2.994E-02	2.050E-03	8.805E-04	3.083E-02	3.809E-03	3.463E-02
524252.3	4260157	2.160E+02	3.445E-02	1.880E-03	8.074E-04	3.525E-02	4.304E-03	3.956E-02
524262.3	4260157	2.464E+02	3.931E-02	1.720E-03	7.387E-04	4.005E-02	4.855E-03	4.490E-02
524272.3	4260157	2.817E+02	4.494E-02	1.720E-03	7.387E-04	4.568E-02	5.339E-03	5.102E-02
524282.3	4260157	3.126E+02	4.987E-02	1.710E-03	7.344E-04	5.060E-02	5.885E-03	5.649E-02
524142.3	4260167	4.734E+01	7.550E-03	3.280E-03	1.409E-03	8.959E-03	1.308E-03	1.027E-02
524152.3	4260167	5.259E+01	8.388E-03	3.410E-03	1.465E-03	9.853E-03	1.441E-03	1.129E-02
524162.3	4260167	5.862E+01	9.350E-03	3.460E-03	1.486E-03	1.084E-02	1.591E-03	1.243E-02
524172.3	4260167	6.555E+01	1.046E-02	3.400E-03	1.460E-03	1.192E-02	1.760E-03	1.368E-02
524182.3	4260167	7.363E+01	1.174E-02	3.300E-03	1.417E-03	1.316E-02	1.953E-03	1.511E-02
524192.3	4260167	8.330E+01	1.329E-02	3.180E-03	1.366E-03	1.465E-02	2.173E-03	1.683E-02
524202.3	4260167	9.560E+01	1.525E-02	3.050E-03	1.310E-03	1.656E-02	2.429E-03	1.899E-02
524212.3	4260167	1.109E+02	1.769E-02	2.840E-03	1.220E-03	1.891E-02	2.723E-03	2.164E-02
524222.3	4260167	1.317E+02	2.101E-02	2.560E-03	1.099E-03	2.211E-02	3.066E-03	2.517E-02
524232.3	4260167	1.582E+02	2.524E-02	2.270E-03	9.749E-04	2.621E-02	3.462E-03	2.967E-02
524242.3	4260167	1.857E+02	2.962E-02	2.050E-03	8.805E-04	3.050E-02	3.897E-03	3.440E-02
524252.3	4260167	2.114E+02	3.372E-02	1.930E-03	8.289E-04	3.454E-02	4.348E-03	3.889E-02
524262.3	4260167	2.397E+02	3.824E-02	1.830E-03	7.860E-04	3.903E-02	4.842E-03	4.387E-02
524272.3	4260167	2.668E+02	4.256E-02	1.780E-03	7.645E-04	4.332E-02	5.361E-03	4.868E-02
524282.3	4260167	2.969E+02	4.736E-02	1.700E-03	7.301E-04	4.809E-02	5.931E-03	5.402E-02
524142.3	4260177	4.994E+01	7.965E-03	3.050E-03	1.310E-03	9.275E-03	1.390E-03	1.067E-02
524152.3	4260177	5.545E+01	8.845E-03	3.160E-03	1.357E-03	1.020E-02	1.529E-03	1.173E-02
524162.3	4260177	6.183E+01	9.862E-03	3.210E-03	1.379E-03	1.124E-02	1.687E-03	1.293E-02
524172.3	4260177	6.907E+01	1.102E-02	3.160E-03	1.357E-03	1.237E-02	1.863E-03	1.424E-02
524182.3	4260177	7.729E+01	1.233E-02	3.060E-03	1.314E-03	1.364E-02	2.062E-03	1.570E-02
524192.3	4260177	8.713E+01	1.390E-02	2.950E-03	1.267E-03	1.516E-02	2.288E-03	1.745E-02
524202.3	4260177	9.946E+01	1.586E-02	2.840E-03	1.220E-03	1.708E-02	2.550E-03	1.963E-02
524212.3	4260177	1.141E+02	1.820E-02	2.670E-03	1.147E-03	1.934E-02	2.844E-03	2.219E-02
524222.3	4260177	1.330E+02	2.121E-02	2.450E-03	1.052E-03	2.227E-02	3.183E-03	2.545E-02
524232.3	4260177	1.571E+02	2.505E-02	2.200E-03	9.449E-04	2.600E-02	3.570E-03	2.957E-02
524242.3	4260177	1.806E+02	2.880E-02	2.040E-03	8.762E-04	2.968E-02	3.983E-03	3.366E-02
524252.3	4260177	2.014E+02	3.212E-02	1.960E-03	8.418E-04	3.296E-02	4.412E-03	3.737E-02
524262.3	4260177	2.258E+02	3.601E-02	1.860E-03	7.989E-04	3.681E-02	4.890E-03	4.170E-02
524272.3	4260177	2.525E+02	4.027E-02	1.770E-03	7.602E-04	4.103E-02	5.409E-03	4.644E-02
524282.3	4260177	2.842E+02	4.533E-02	1.670E-03	7.173E-04	4.605E-02	5.984E-03	5.203E-02
524142.3	4260187	5.248E+01	8.371E-03	2.830E-03	1.215E-03	9.587E-03	1.471E-03	1.106E-02
524152.3	4260187	5.828E+01	9.295E-03	2.940E-03	1.263E-03	1.056E-02	1.617E-03	1.217E-02

524162.3	4260187	6.490E+01	1.035E-02	2.980E-03	1.280E-03	1.163E-02	1.781E-03	1.341E-02
524172.3	4260187	7.234E+01	1.154E-02	2.950E-03	1.267E-03	1.280E-02	1.963E-03	1.477E-02
524182.3	4260187	8.082E+01	1.289E-02	2.860E-03	1.228E-03	1.412E-02	2.168E-03	1.629E-02
524192.3	4260187	9.068E+01	1.446E-02	2.750E-03	1.181E-03	1.565E-02	2.398E-03	1.804E-02
524202.3	4260187	1.024E+02	1.633E-02	2.640E-03	1.134E-03	1.746E-02	2.659E-03	2.012E-02
524212.3	4260187	1.160E+02	1.850E-02	2.530E-03	1.087E-03	1.959E-02	2.952E-03	2.254E-02
524222.3	4260187	1.331E+02	2.123E-02	2.360E-03	1.014E-03	2.225E-02	3.287E-03	2.553E-02
524232.3	4260187	1.552E+02	2.475E-02	2.150E-03	9.234E-04	2.567E-02	3.668E-03	2.934E-02
524242.3	4260187	1.768E+02	2.821E-02	2.000E-03	8.590E-04	2.907E-02	4.073E-03	3.314E-02
524252.3	4260187	1.973E+02	3.148E-02	1.910E-03	8.203E-04	3.230E-02	4.500E-03	3.680E-02
524262.3	4260187	2.197E+02	3.505E-02	1.820E-03	7.817E-04	3.583E-02	4.966E-03	4.080E-02
524272.3	4260187	2.461E+02	3.926E-02	1.710E-03	7.344E-04	3.999E-02	5.481E-03	4.547E-02
524282.3	4260187	2.773E+02	4.424E-02	1.600E-03	6.872E-04	4.492E-02	6.050E-03	5.097E-02
524142.3	4260197	5.497E+01	8.768E-03	2.650E-03	1.138E-03	9.906E-03	1.551E-03	1.146E-02
524152.3	4260197	6.100E+01	9.730E-03	2.740E-03	1.177E-03	1.091E-02	1.703E-03	1.261E-02
524162.3	4260197	6.790E+01	1.083E-02	2.780E-03	1.194E-03	1.202E-02	1.873E-03	1.390E-02
524172.3	4260197	7.557E+01	1.205E-02	2.750E-03	1.181E-03	1.323E-02	2.061E-03	1.530E-02
524182.3	4260197	8.420E+01	1.343E-02	2.680E-03	1.151E-03	1.458E-02	2.270E-03	1.685E-02
524192.3	4260197	9.406E+01	1.500E-02	2.570E-03	1.104E-03	1.611E-02	2.504E-03	1.861E-02
524202.3	4260197	1.053E+02	1.680E-02	2.460E-03	1.057E-03	1.786E-02	2.765E-03	2.062E-02
524212.3	4260197	1.180E+02	1.883E-02	2.340E-03	1.005E-03	1.983E-02	3.054E-03	2.289E-02
524222.3	4260197	1.342E+02	2.141E-02	2.240E-03	9.621E-04	2.237E-02	3.387E-03	2.576E-02
524232.3	4260197	1.543E+02	2.461E-02	2.080E-03	8.933E-04	2.550E-02	3.762E-03	2.927E-02
524242.3	4260197	1.750E+02	2.791E-02	1.940E-03	8.332E-04	2.874E-02	4.163E-03	3.291E-02
524252.3	4260197	1.942E+02	3.097E-02	1.850E-03	7.946E-04	3.177E-02	4.583E-03	3.635E-02
524262.3	4260197	2.160E+02	3.445E-02	1.750E-03	7.516E-04	3.520E-02	5.043E-03	4.024E-02
524272.3	4260197	2.421E+02	3.862E-02	1.640E-03	7.044E-04	3.932E-02	5.554E-03	4.488E-02
524282.3	4260197	2.723E+02	4.342E-02	1.540E-03	6.614E-04	4.409E-02	6.117E-03	5.020E-02
524142.3	4260207	5.758E+01	9.184E-03	2.490E-03	1.069E-03	1.025E-02	1.631E-03	1.188E-02
524152.3	4260207	6.381E+01	1.018E-02	2.570E-03	1.104E-03	1.128E-02	1.788E-03	1.307E-02
524162.3	4260207	7.092E+01	1.131E-02	2.610E-03	1.121E-03	1.243E-02	1.963E-03	1.440E-02
524172.3	4260207	7.874E+01	1.256E-02	2.580E-03	1.108E-03	1.367E-02	2.156E-03	1.582E-02
524182.3	4260207	8.741E+01	1.394E-02	2.510E-03	1.078E-03	1.502E-02	2.368E-03	1.739E-02
524192.3	4260207	9.724E+01	1.551E-02	2.420E-03	1.039E-03	1.655E-02	2.605E-03	1.915E-02
524202.3	4260207	1.083E+02	1.727E-02	2.300E-03	9.878E-04	1.825E-02	2.866E-03	2.112E-02
524212.3	4260207	1.205E+02	1.921E-02	2.180E-03	9.363E-04	2.015E-02	3.153E-03	2.330E-02
524222.3	4260207	1.359E+02	2.168E-02	2.090E-03	8.976E-04	2.258E-02	3.484E-03	2.606E-02
524232.3	4260207	1.543E+02	2.461E-02	1.990E-03	8.547E-04	2.546E-02	3.852E-03	2.932E-02
524242.3	4260207	1.737E+02	2.771E-02	1.870E-03	8.032E-04	2.851E-02	4.247E-03	3.276E-02
524252.3	4260207	1.930E+02	3.078E-02	1.770E-03	7.602E-04	3.154E-02	4.665E-03	3.620E-02
524262.3	4260207	2.144E+02	3.420E-02	1.670E-03	7.173E-04	3.492E-02	5.122E-03	4.004E-02
524272.3	4260207	2.399E+02	3.827E-02	1.570E-03	6.743E-04	3.894E-02	5.628E-03	4.457E-02
524282.3	4260207	2.699E+02	4.305E-02	1.470E-03	6.314E-04	4.369E-02	6.191E-03	4.988E-02
524142.3	4260217	6.057E+01	9.661E-03	2.350E-03	1.009E-03	1.067E-02	1.715E-03	1.238E-02
524152.3	4260217	6.689E+01	1.067E-02	2.420E-03	1.039E-03	1.171E-02	1.875E-03	1.358E-02
524162.3	4260217	7.403E+01	1.181E-02	2.450E-03	1.052E-03	1.286E-02	2.053E-03	1.491E-02
524172.3	4260217	8.185E+01	1.305E-02	2.430E-03	1.044E-03	1.410E-02	2.248E-03	1.635E-02
524182.3	4260217	9.053E+01	1.444E-02	2.370E-03	1.018E-03	1.546E-02	2.463E-03	1.792E-02
524192.3	4260217	1.003E+02	1.600E-02	2.280E-03	9.792E-04	1.698E-02	2.701E-03	1.968E-02
524202.3	4260217	1.114E+02	1.777E-02	2.170E-03	9.320E-04	1.870E-02	2.965E-03	2.167E-02
524212.3	4260217	1.236E+02	1.972E-02	2.060E-03	8.848E-04	2.061E-02	3.254E-03	2.386E-02
524222.3	4260217	1.385E+02	2.209E-02	1.960E-03	8.418E-04	2.293E-02	3.581E-03	2.651E-02
524232.3	4260217	1.556E+02	2.481E-02	1.880E-03	8.074E-04	2.562E-02	3.942E-03	2.956E-02
524242.3	4260217	1.740E+02	2.775E-02	1.780E-03	7.645E-04	2.851E-02	4.332E-03	3.284E-02
524252.3	4260217	1.933E+02	3.082E-02	1.680E-03	7.215E-04	3.155E-02	4.749E-03	3.630E-02
524262.3	4260217	2.152E+02	3.432E-02	1.580E-03	6.786E-04	3.500E-02	5.207E-03	4.021E-02
524272.3	4260217	2.408E+02	3.840E-02	1.490E-03	6.399E-04	3.904E-02	5.714E-03	4.476E-02
524282.3	4260217	2.701E+02	4.308E-02	1.400E-03	6.013E-04	4.368E-02	6.275E-03	4.996E-02
524142.3	4260227	6.364E+01	1.015E-02	2.230E-03	9.578E-04	1.111E-02	1.798E-03	1.291E-02
524152.3	4260227	6.999E+01	1.116E-02	2.280E-03	9.792E-04	1.214E-02	1.961E-03	1.410E-02
524162.3	4260227	7.703E+01	1.229E-02	2.310E-03	9.921E-04	1.328E-02	2.140E-03	1.542E-02
524172.3	4260227	8.489E+01	1.354E-02	2.290E-03	9.835E-04	1.452E-02	2.338E-03	1.686E-02
524182.3	4260227	9.356E+01	1.492E-02	2.230E-03	9.578E-04	1.588E-02	2.555E-03	1.844E-02
524192.3	4260227	1.033E+02	1.647E-02	2.150E-03	9.234E-04	1.739E-02	2.794E-03	2.019E-02
524202.3	4260227	1.143E+02	1.823E-02	2.060E-03	8.848E-04	1.912E-02	3.059E-03	2.218E-02
524212.3	4260227	1.265E+02	2.018E-02	1.950E-03	8.375E-04	2.101E-02	3.348E-03	2.436E-02
524222.3	4260227	1.409E+02	2.247E-02	1.860E-03	7.989E-04	2.327E-02	3.672E-03	2.694E-02
524232.3	4260227	1.570E+02	2.504E-02	1.770E-03	7.602E-04	2.580E-02	4.027E-03	2.982E-02
524242.3	4260227	1.749E+02	2.789E-02	1.680E-03	7.215E-04	2.861E-02	4.413E-03	3.303E-02
524252.3	4260227	1.941E+02	3.096E-02	1.590E-03	6.829E-04	3.165E-02	4.830E-03	3.648E-02
524262.3	4260227	2.164E+02	3.452E-02	1.500E-03	6.442E-04	3.516E-02	5.291E-03	4.045E-02

524272.3	4260227	2.414E+02	3.850E-02	1.420E-03	6.099E-04	3.911E-02	5.795E-03	4.491E-02
524282.3	4260227	2.706E+02	4.316E-02	1.330E-03	5.712E-04	4.373E-02	6.357E-03	5.009E-02
524142.3	4260237	6.686E+01	1.066E-02	2.110E-03	9.062E-04	1.157E-02	1.880E-03	1.345E-02
524152.3	4260237	7.308E+01	1.166E-02	2.160E-03	9.277E-04	1.258E-02	2.044E-03	1.463E-02
524162.3	4260237	8.008E+01	1.277E-02	2.180E-03	9.363E-04	1.371E-02	2.226E-03	1.594E-02
524172.3	4260237	8.779E+01	1.400E-02	2.160E-03	9.277E-04	1.493E-02	2.424E-03	1.735E-02
524182.3	4260237	9.634E+01	1.537E-02	2.110E-03	9.062E-04	1.627E-02	2.641E-03	1.891E-02
524192.3	4260237	1.060E+02	1.691E-02	2.040E-03	8.762E-04	1.779E-02	2.882E-03	2.067E-02
524202.3	4260237	1.171E+02	1.867E-02	1.950E-03	8.375E-04	1.951E-02	3.147E-03	2.266E-02
524212.3	4260237	1.293E+02	2.062E-02	1.860E-03	7.989E-04	2.142E-02	3.438E-03	2.485E-02
524222.3	4260237	1.431E+02	2.282E-02	1.760E-03	7.559E-04	2.358E-02	3.758E-03	2.734E-02
524232.3	4260237	1.586E+02	2.530E-02	1.670E-03	7.173E-04	2.601E-02	4.108E-03	3.012E-02
524242.3	4260237	1.759E+02	2.806E-02	1.590E-03	6.829E-04	2.874E-02	4.490E-03	3.323E-02
524252.3	4260237	1.954E+02	3.116E-02	1.510E-03	6.485E-04	3.181E-02	4.908E-03	3.672E-02
524262.3	4260237	2.173E+02	3.466E-02	1.430E-03	6.142E-04	3.528E-02	5.366E-03	4.064E-02
524272.3	4260237	2.421E+02	3.861E-02	1.350E-03	5.798E-04	3.919E-02	5.870E-03	4.506E-02
524282.3	4260237	2.711E+02	4.324E-02	1.270E-03	5.455E-04	4.379E-02	6.431E-03	5.022E-02
524142.3	4260247	7.208E+01	1.150E-02	1.960E-03	8.418E-04	1.234E-02	1.974E-03	1.431E-02
524152.3	4260247	7.742E+01	1.235E-02	2.030E-03	8.719E-04	1.322E-02	2.135E-03	1.536E-02
524162.3	4260247	8.373E+01	1.335E-02	2.060E-03	8.848E-04	1.424E-02	2.313E-03	1.655E-02
524172.3	4260247	9.117E+01	1.454E-02	2.040E-03	8.762E-04	1.542E-02	2.512E-03	1.793E-02
524182.3	4260247	9.954E+01	1.588E-02	2.000E-03	8.590E-04	1.674E-02	2.729E-03	1.947E-02
524192.3	4260247	1.090E+02	1.739E-02	1.930E-03	8.289E-04	1.821E-02	2.968E-03	2.118E-02
524202.3	4260247	1.200E+02	1.914E-02	1.850E-03	7.946E-04	1.993E-02	3.234E-03	2.317E-02
524212.3	4260247	1.321E+02	2.106E-02	1.770E-03	7.602E-04	2.182E-02	3.523E-03	2.535E-02
524222.3	4260247	1.458E+02	2.326E-02	1.680E-03	7.215E-04	2.398E-02	3.842E-03	2.782E-02
524232.3	4260247	1.611E+02	2.570E-02	1.590E-03	6.829E-04	2.638E-02	4.190E-03	3.057E-02
524242.3	4260247	1.783E+02	2.844E-02	1.520E-03	6.528E-04	2.909E-02	4.571E-03	3.366E-02
524252.3	4260247	1.976E+02	3.151E-02	1.440E-03	6.185E-04	3.213E-02	4.986E-03	3.712E-02
524262.3	4260247	2.193E+02	3.499E-02	1.370E-03	5.884E-04	3.557E-02	5.443E-03	4.102E-02
524272.3	4260247	2.444E+02	3.899E-02	1.290E-03	5.540E-04	3.954E-02	5.947E-03	4.549E-02
524282.3	4260247	2.734E+02	4.361E-02	1.220E-03	5.240E-04	4.414E-02	6.508E-03	5.064E-02
524142.3	4260257	7.943E+01	1.267E-02	1.740E-03	7.473E-04	1.342E-02	2.077E-03	1.549E-02
524152.3	4260257	8.292E+01	1.323E-02	1.860E-03	7.989E-04	1.402E-02	2.229E-03	1.625E-02
524162.3	4260257	8.772E+01	1.399E-02	1.930E-03	8.289E-04	1.482E-02	2.400E-03	1.722E-02
524172.3	4260257	9.456E+01	1.508E-02	1.930E-03	8.289E-04	1.591E-02	2.596E-03	1.851E-02
524182.3	4260257	1.026E+02	1.636E-02	1.900E-03	8.160E-04	1.717E-02	2.811E-03	1.999E-02
524192.3	4260257	1.119E+02	1.785E-02	1.840E-03	7.903E-04	1.864E-02	3.050E-03	2.169E-02
524202.3	4260257	1.228E+02	1.958E-02	1.770E-03	7.602E-04	2.034E-02	3.315E-03	2.366E-02
524212.3	4260257	1.347E+02	2.148E-02	1.690E-03	7.258E-04	2.220E-02	3.603E-03	2.581E-02
524222.3	4260257	1.482E+02	2.364E-02	1.600E-03	6.872E-04	2.433E-02	3.919E-03	2.824E-02
524232.3	4260257	1.635E+02	2.608E-02	1.530E-03	6.571E-04	2.674E-02	4.266E-03	3.100E-02
524242.3	4260257	1.803E+02	2.877E-02	1.450E-03	6.228E-04	2.939E-02	4.642E-03	3.403E-02
524252.3	4260257	1.994E+02	3.180E-02	1.380E-03	5.927E-04	3.240E-02	5.054E-03	3.745E-02
524262.3	4260257	2.211E+02	3.527E-02	1.310E-03	5.626E-04	3.583E-02	5.507E-03	4.134E-02
524272.3	4260257	2.460E+02	3.924E-02	1.240E-03	5.326E-04	3.977E-02	6.007E-03	4.578E-02
524282.3	4260257	2.748E+02	4.384E-02	1.180E-03	5.068E-04	4.434E-02	6.560E-03	5.090E-02
524204.7	4260013	2.656E+01	4.236E-03	6.740E-03	2.895E-03	7.131E-03	6.348E-04	7.766E-03
524203.4	4260005	2.440E+01	3.891E-03	5.980E-03	2.568E-03	6.460E-03	5.847E-04	7.044E-03
524204.7	4259998	2.318E+01	3.697E-03	5.460E-03	2.345E-03	6.042E-03	5.547E-04	6.597E-03
524204.4	4259988	2.143E+01	3.418E-03	5.050E-03	2.169E-03	5.587E-03	5.136E-04	6.100E-03
524189.1	4260004	2.096E+01	3.344E-03	6.330E-03	2.719E-03	6.063E-03	5.137E-04	6.576E-03
524189.4	4259994	1.937E+01	3.089E-03	5.720E-03	2.457E-03	5.546E-03	4.750E-04	6.021E-03
524190.8	4259983	1.818E+01	2.900E-03	5.340E-03	2.293E-03	5.194E-03	4.455E-04	5.639E-03
524246.8	4259946	2.656E+01	4.237E-03	3.330E-03	1.430E-03	5.667E-03	5.930E-04	6.260E-03
524255.3	4259930	2.761E+01	4.403E-03	2.990E-03	1.284E-03	5.688E-03	6.196E-04	6.307E-03
524250.5	4259938	2.672E+01	4.263E-03	3.150E-03	1.353E-03	5.616E-03	5.991E-04	6.215E-03
524232.5	4259936	2.130E+01	3.397E-03	3.390E-03	1.456E-03	4.853E-03	4.998E-04	5.353E-03
524220.5	4259938	1.900E+01	3.031E-03	3.640E-03	1.563E-03	4.594E-03	4.541E-04	5.048E-03
524212.6	4259950	1.851E+01	2.952E-03	3.980E-03	1.709E-03	4.661E-03	4.433E-04	5.104E-03
524206.3	4259958	1.811E+01	2.888E-03	4.290E-03	1.843E-03	4.730E-03	4.362E-04	5.167E-03
524199.4	4259957	1.701E+01	2.713E-03	4.560E-03	1.958E-03	4.671E-03	4.145E-04	5.085E-03
524188.3	4259954	1.535E+01	2.449E-03	5.140E-03	2.208E-03	4.656E-03	3.808E-04	5.037E-03
524196.9	4259946	1.590E+01	2.537E-03	4.530E-03	1.946E-03	4.482E-03	3.916E-04	4.874E-03
524203.7	4259948	1.693E+01	2.700E-03	4.250E-03	1.825E-03	4.525E-03	4.122E-04	4.937E-03
524199.4	4259935	1.555E+01	2.480E-03	4.290E-03	1.843E-03	4.322E-03	3.849E-04	4.707E-03
524206.6	4259925	1.601E+01	2.554E-03	3.910E-03	1.679E-03	4.233E-03	3.959E-04	4.629E-03
524213.1	4259918	1.665E+01	2.656E-03	3.620E-03	1.555E-03	4.210E-03	4.107E-04	4.621E-03
524241.9	4259920	2.255E+01	3.597E-03	3.080E-03	1.323E-03	4.920E-03	5.302E-04	5.450E-03
524216	4259908	1.671E+01	2.666E-03	3.460E-03	1.486E-03	4.152E-03	4.146E-04	4.566E-03
524221.1	4259892	1.711E+01	2.729E-03	3.250E-03	1.396E-03	4.125E-03	4.275E-04	4.552E-03

524238.8	4259899	2.085E+01	3.326E-03	2.960E-03	1.271E-03	4.598E-03	5.049E-04	5.103E-03
524238.8	4259908	2.116E+01	3.375E-03	3.030E-03	1.301E-03	4.676E-03	5.078E-04	5.184E-03
524237.4	4259885	2.024E+01	3.229E-03	2.860E-03	1.228E-03	4.457E-03	4.961E-04	4.953E-03
524214.8	4259881	1.580E+01	2.520E-03	3.430E-03	1.473E-03	3.994E-03	4.023E-04	4.396E-03
524203.1	4259873	1.396E+01	2.227E-03	4.020E-03	1.727E-03	3.954E-03	3.635E-04	4.317E-03
524198.3	4259867	1.323E+01	2.110E-03	4.440E-03	1.907E-03	4.017E-03	3.484E-04	4.366E-03
524232.8	4259867	1.891E+01	3.017E-03	2.830E-03	1.215E-03	4.232E-03	4.731E-04	4.705E-03
524233.1	4259858	1.868E+01	2.979E-03	2.850E-03	1.224E-03	4.203E-03	4.727E-04	4.676E-03
524235.7	4259852	1.909E+01	3.046E-03	2.800E-03	1.203E-03	4.248E-03	4.842E-04	4.732E-03
524239.7	4259846	1.978E+01	3.155E-03	2.730E-03	1.173E-03	4.328E-03	5.027E-04	4.830E-03
524243.9	4259835	2.040E+01	3.255E-03	2.720E-03	1.168E-03	4.423E-03	5.222E-04	4.945E-03
524250.5	4259824	2.157E+01	3.440E-03	2.760E-03	1.185E-03	4.625E-03	5.542E-04	5.180E-03
524243.6	4259822	1.990E+01	3.175E-03	2.900E-03	1.246E-03	4.420E-03	5.170E-04	4.937E-03
524232.8	4259816	1.744E+01	2.782E-03	3.360E-03	1.443E-03	4.225E-03	4.633E-04	4.689E-03
524225.1	4259826	1.621E+01	2.586E-03	3.560E-03	1.529E-03	4.115E-03	4.319E-04	4.547E-03
524218.3	4259837	1.530E+01	2.441E-03	3.740E-03	1.606E-03	4.047E-03	4.067E-04	4.454E-03
524210.6	4259847	1.438E+01	2.293E-03	4.040E-03	1.735E-03	4.028E-03	3.813E-04	4.410E-03
524202	4259858	1.347E+01	2.148E-03	4.410E-03	1.894E-03	4.042E-03	3.567E-04	4.399E-03
524265.8	4259728	2.111E+01	3.367E-03	5.280E-03	2.268E-03	5.635E-03	5.781E-04	6.213E-03
524273.5	4259714	2.184E+01	3.484E-03	5.150E-03	2.212E-03	5.696E-03	6.014E-04	6.297E-03
524276.9	4259699	2.169E+01	3.459E-03	5.250E-03	2.255E-03	5.714E-03	6.025E-04	6.316E-03
524260.9	4259694	1.902E+01	3.034E-03	8.040E-03	3.453E-03	6.487E-03	5.323E-04	7.019E-03
524251.8	4259711	1.822E+01	2.906E-03	8.100E-03	3.479E-03	6.385E-03	5.075E-04	6.893E-03
524250.7	4259723	1.837E+01	2.930E-03	7.180E-03	3.084E-03	6.014E-03	5.092E-04	6.523E-03
524265.2	4259621	1.706E+01	2.721E-03	9.740E-03	4.183E-03	6.905E-03	4.939E-04	7.398E-03
524284.9	4259588	1.808E+01	2.884E-03	7.010E-03	3.011E-03	5.895E-03	5.253E-04	6.420E-03
524305.7	4259555	1.873E+01	2.987E-03	8.760E-03	3.762E-03	6.749E-03	5.486E-04	7.298E-03
524315.1	4259565	2.024E+01	3.229E-03	6.230E-03	2.676E-03	5.904E-03	5.890E-04	6.493E-03
524304	4259604	2.100E+01	3.349E-03	4.600E-03	1.976E-03	5.325E-03	6.033E-04	5.928E-03
524638	4260128	5.656E+01	9.022E-03	1.200E-04	5.154E-05	9.073E-03	2.133E-03	1.121E-02
524645.9	4260114	5.040E+01	8.039E-03	1.100E-04	4.724E-05	8.086E-03	1.582E-03	9.668E-03
524647.1	4260105	5.249E+01	8.373E-03	1.100E-04	4.724E-05	8.420E-03	1.014E-02	1.014E-02
524662.5	4260078	5.200E+01	8.295E-03	1.200E-04	5.154E-05	8.346E-03	1.817E-03	1.016E-02
524692.1	4260054	4.548E+01	7.254E-03	1.100E-04	4.724E-05	7.302E-03	1.636E-03	8.937E-03
524752.6	4260051	4.472E+01	7.132E-03	1.200E-04	5.154E-05	7.184E-03	1.844E-03	9.028E-03
524338.9	4260405	1.484E+02	2.367E-02	2.600E-04	1.117E-04	2.378E-02	5.942E-03	2.972E-02
524441.4	4260404	4.845E+01	7.727E-03	1.000E-04	4.295E-05	7.770E-03	1.612E-03	9.382E-03
524539	4260370	1.695E+01	2.703E-03	6.000E-05	2.577E-05	2.729E-03	5.917E-04	3.321E-03
524566.4	4260357	1.536E+01	2.449E-03	6.000E-05	2.577E-05	2.475E-03	5.467E-04	3.022E-03
524530.2	4260390	1.646E+01	2.626E-03	6.000E-05	2.577E-05	2.651E-03	5.739E-04	3.225E-03
524498.3	4260239	1.851E+02	2.952E-02	2.000E-04	8.590E-05	2.961E-02	6.526E-03	3.614E-02
524477.4	4260263	1.910E+02	3.047E-02	2.000E-04	8.590E-05	3.055E-02	7.087E-03	3.764E-02
524494.8	4260256	1.612E+02	2.572E-02	1.800E-04	7.731E-05	2.579E-02	6.377E-03	3.217E-02
524515.7	4260222	1.772E+02	2.826E-02	2.000E-04	8.590E-05	2.835E-02	5.856E-03	3.421E-02
524519.7	4260239	1.350E+02	2.153E-02	1.800E-04	7.731E-05	2.161E-02	5.537E-03	2.715E-02
524519.2	4260249	1.213E+02	1.935E-02	1.600E-04	6.872E-05	1.942E-02	5.365E-03	2.478E-02
524529	4260211	1.623E+02	2.588E-02	2.000E-04	8.590E-05	2.597E-02	5.383E-03	3.135E-02
524535.4	4260222	1.326E+02	2.116E-02	1.800E-04	7.731E-05	2.123E-02	5.006E-03	2.624E-02
524534.2	4260237	1.156E+02	1.844E-02	1.700E-04	7.301E-05	1.851E-02	4.869E-03	2.338E-02
524547	4260197	1.581E+02	2.522E-02	2.100E-04	9.019E-05	2.531E-02	4.580E-03	2.989E-02
524547	4260211	1.267E+02	2.020E-02	1.800E-04	7.731E-05	2.028E-02	4.599E-03	2.488E-02
524549.9	4260224	1.088E+02	1.735E-02	1.700E-04	7.301E-05	1.742E-02	4.378E-03	2.180E-02
524560.3	4260187	1.541E+02	2.458E-02	2.100E-04	9.019E-05	2.467E-02	4.112E-03	2.878E-02
524569	4260204	1.045E+02	1.667E-02	1.800E-04	7.731E-05	1.675E-02	3.851E-03	2.060E-02
524580	4260181	1.060E+02	1.691E-02	1.800E-04	7.731E-05	1.699E-02	3.736E-03	2.072E-02
524580	4260198	9.536E+01	1.521E-02	1.700E-04	7.301E-05	1.528E-02	3.599E-03	1.888E-02
524588.1	4260163	1.249E+02	1.993E-02	1.900E-04	8.160E-05	2.001E-02	3.525E-03	2.353E-02
524598.6	4260183	8.716E+01	1.390E-02	1.600E-04	6.872E-05	1.397E-02	3.300E-03	1.727E-02
524596.3	4260170	9.893E+01	1.578E-02	1.700E-04	7.301E-05	1.585E-02	3.414E-03	1.927E-02
524290.8	4259394	1.255E+01	2.001E-03	7.040E-03	3.024E-03	5.025E-03	3.818E-04	5.407E-03
524300.9	4259318	1.121E+01	1.789E-03	7.210E-03	3.097E-03	4.885E-03	3.470E-04	5.232E-03
524313.2	4259257	1.040E+01	1.658E-03	5.120E-03	2.199E-03	3.857E-03	3.256E-04	4.183E-03
524355.4	4259275	1.249E+01	1.993E-03	8.800E-03	3.780E-03	5.772E-03	3.858E-04	6.158E-03
524363.7	4259262	1.252E+01	1.997E-03	8.890E-03	3.818E-03	5.815E-03	3.867E-04	6.202E-03
524374.4	4259248	1.266E+01	2.019E-03	6.970E-03	2.994E-03	5.012E-03	3.907E-04	5.403E-03
524317.9	4259219	9.842E+00	1.570E-03	4.370E-03	1.877E-03	3.447E-03	3.102E-04	3.757E-03
524384.5	4259228	1.258E+01	2.007E-03	5.570E-03	2.392E-03	4.399E-03	3.888E-04	4.788E-03
524333.2	4259184	9.727E+00	1.551E-03	5.320E-03	2.285E-03	3.836E-03	3.070E-04	4.143E-03
524398.6	4259201	1.246E+01	1.987E-03	4.730E-03	2.031E-03	4.018E-03	3.861E-04	4.404E-03
524358.7	4259346	1.466E+01	2.339E-03	6.170E-03	2.650E-03	4.989E-03	4.471E-04	5.436E-03
524368.4	4259315	1.424E+01	2.272E-03	4.910E-03	2.109E-03	4.381E-03	4.352E-04	4.816E-03

524387.4 4259292 1.451E+01 2.315E-03 3.770E-03 1.619E-03 3.934E-03 4.434E-04 4.377E-03

Construction AERMOD_Unit Emissions

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDEFAULT 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: 265 Source(s); 4 Source Group(s); and 411 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 263 VOLUME source(s)
and: 2 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 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 = 3.8 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Construction AERMOD.err

Construction AERMOD_Unit Emissions

**File for Summary of Results: Construction AERMOD.sum

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER CATS.	EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE SOURCE SCALAR VARY BY
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L0005462	0	0.75760E-06	524303.4	4260039.0	155.2	3.11	4.19	1.45	NO
L0005463	0	0.75760E-06	524294.4	4260039.0	154.3	3.11	4.19	1.45	NO
L0005464	0	0.75760E-06	524285.4	4260039.1	153.4	3.11	4.19	1.45	NO
L0005465	0	0.75760E-06	524276.4	4260039.1	152.7	3.11	4.19	1.45	NO
L0005466	0	0.75760E-06	524267.4	4260039.1	152.1	3.11	4.19	1.45	NO
L0005467	0	0.75760E-06	524258.4	4260039.1	151.4	3.11	4.19	1.45	NO
L0005468	0	0.75760E-06	524249.4	4260039.1	150.7	3.11	4.19	1.45	NO
L0005469	0	0.75760E-06	524240.4	4260039.1	150.0	3.11	4.19	1.45	NO
L0005470	0	0.75760E-06	524231.4	4260039.1	149.7	3.11	4.19	1.45	NO
L0005471	0	0.75760E-06	524222.4	4260039.1	149.5	3.11	4.19	1.45	NO
L0005472	0	0.75760E-06	524213.4	4260039.1	149.3	3.11	4.19	1.45	NO
L0005473	0	0.75760E-06	524204.4	4260039.1	149.3	3.11	4.19	1.45	NO
L0005474	0	0.75760E-06	524195.4	4260039.2	149.3	3.11	4.19	1.45	NO
L0005475	0	0.75760E-06	524186.4	4260039.0	149.4	3.11	4.19	1.45	NO
L0005476	0	0.75760E-06	524177.4	4260038.6	149.4	3.11	4.19	1.45	NO
L0005477	0	0.75760E-06	524168.4	4260038.2	149.4	3.11	4.19	1.45	NO
L0005478	0	0.75760E-06	524159.4	4260037.8	148.9	3.11	4.19	1.45	NO
L0005479	0	0.75760E-06	524150.4	4260037.4	148.2	3.11	4.19	1.45	NO
L0005480	0	0.75760E-06	524143.2	4260035.4	147.6	3.11	4.19	1.45	NO
L0005481	0	0.75760E-06	524143.4	4260026.4	147.2	3.11	4.19	1.45	NO
L0005482	0	0.75760E-06	524143.7	4260017.4	146.8	3.11	4.19	1.45	NO
L0005483	0	0.75760E-06	524144.0	4260008.4	146.4	3.11	4.19	1.45	NO
L0005484	0	0.75760E-06	524144.3	4259999.4	145.9	3.11	4.19	1.45	NO
L0005485	0	0.75760E-06	524144.6	4259990.4	145.4	3.11	4.19	1.45	NO
L0005486	0	0.75760E-06	524144.9	4259981.4	144.8	3.11	4.19	1.45	NO
L0005487	0	0.75760E-06	524145.2	4259972.4	144.2	3.11	4.19	1.45	NO
L0005488	0	0.75760E-06	524145.5	4259963.4	143.5	3.11	4.19	1.45	NO
L0005489	0	0.75760E-06	524145.7	4259954.4	142.9	3.11	4.19	1.45	NO
L0005490	0	0.75760E-06	524146.0	4259945.4	142.2	3.11	4.19	1.45	NO
L0005491	0	0.75760E-06	524146.3	4259936.4	141.5	3.11	4.19	1.45	NO
L0005492	0	0.75760E-06	524146.9	4259927.5	140.8	3.11	4.19	1.45	NO
L0005493	0	0.75760E-06	524147.5	4259918.5	140.2	3.11	4.19	1.45	NO
L0005494	0	0.75760E-06	524148.2	4259909.5	139.6	3.11	4.19	1.45	NO
L0005495	0	0.75760E-06	524148.8	4259900.5	139.0	3.11	4.19	1.45	NO
L0005496	0	0.75760E-06	524149.5	4259891.6	138.5	3.11	4.19	1.45	NO
L0005497	0	0.75760E-06	524150.1	4259882.6	138.0	3.11	4.19	1.45	NO
L0005498	0	0.75760E-06	524150.8	4259873.6	137.5	3.11	4.19	1.45	NO
L0005499	0	0.75760E-06	524151.9	4259864.7	137.0	3.11	4.19	1.45	NO
L0005500	0	0.75760E-06	524153.0	4259855.7	136.2	3.11	4.19	1.45	NO
L0005501	0	0.75760E-06	524154.1	4259846.8	135.3	3.11	4.19	1.45	NO

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER CATS.	EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE SOURCE SCALAR VARY BY
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L0005502	0	0.75760E-06	524155.8	4259838.0	134.3	3.11	4.19	1.45	NO
L0005503	0	0.75760E-06	524159.5	4259829.9	133.2	3.11	4.19	1.45	NO
L0005504	0	0.75760E-06	524163.3	4259821.7	132.3	3.11	4.19	1.45	NO

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Construction AERMOD_Unit Emissions

L0005505	0	0.75760E-06	524167.0	4259813.5	131.7	3.11	4.19	1.45	NO
L0005506	0	0.75760E-06	524170.8	4259805.3	131.7	3.11	4.19	1.45	NO
L0005507	0	0.75760E-06	524174.5	4259797.1	131.2	3.11	4.19	1.45	NO
L0005508	0	0.75760E-06	524178.4	4259789.0	130.6	3.11	4.19	1.45	NO
L0005509	0	0.75760E-06	524182.4	4259780.9	129.8	3.11	4.19	1.45	NO
L0005510	0	0.75760E-06	524186.4	4259772.9	128.8	3.11	4.19	1.45	NO
L0005511	0	0.75760E-06	524190.4	4259764.8	128.8	3.11	4.19	1.45	NO
L0005512	0	0.75760E-06	524194.4	4259756.8	128.8	3.11	4.19	1.45	NO
L0005513	0	0.75760E-06	524198.4	4259748.7	128.5	3.11	4.19	1.45	NO
L0005514	0	0.75760E-06	524202.4	4259740.6	127.9	3.11	4.19	1.45	NO
L0005515	0	0.75760E-06	524206.4	4259732.6	127.5	3.11	4.19	1.45	NO
L0005516	0	0.75760E-06	524210.4	4259724.5	127.4	3.11	4.19	1.45	NO
L0005517	0	0.75760E-06	524214.5	4259716.5	127.4	3.11	4.19	1.45	NO
L0005518	0	0.75760E-06	524218.6	4259708.5	127.7	3.11	4.19	1.45	NO
L0005519	0	0.75760E-06	524222.7	4259700.5	127.8	3.11	4.19	1.45	NO
L0005520	0	0.75760E-06	524226.8	4259692.5	127.8	3.11	4.19	1.45	NO
L0005521	0	0.75760E-06	524231.0	4259684.5	127.7	3.11	4.19	1.45	NO
L0005522	0	0.75760E-06	524235.1	4259676.5	127.8	3.11	4.19	1.45	NO
L0005523	0	0.75760E-06	524237.8	4259668.0	128.0	3.11	4.19	1.45	NO
L0005524	0	0.75760E-06	524238.7	4259659.1	128.2	3.11	4.19	1.45	NO
L0005525	0	0.75760E-06	524239.6	4259650.1	128.5	3.11	4.19	1.45	NO
L0005526	0	0.75760E-06	524240.5	4259641.2	128.7	3.11	4.19	1.45	NO
L0005527	0	0.75760E-06	524241.5	4259632.2	128.9	3.11	4.19	1.45	NO
L0005528	0	0.75760E-06	524242.4	4259623.3	129.0	3.11	4.19	1.45	NO
L0005529	0	0.75760E-06	524243.3	4259614.3	128.9	3.11	4.19	1.45	NO
L0005530	0	0.75760E-06	524244.2	4259605.4	128.5	3.11	4.19	1.45	NO
L0005531	0	0.75760E-06	524248.3	4259597.5	128.3	3.11	4.19	1.45	NO
L0005532	0	0.75760E-06	524253.1	4259589.9	128.2	3.11	4.19	1.45	NO
L0005533	0	0.75760E-06	524257.9	4259582.3	128.2	3.11	4.19	1.45	NO
L0005534	0	0.75760E-06	524262.6	4259574.6	128.4	3.11	4.19	1.45	NO
L0005535	0	0.75760E-06	524268.0	4259567.5	128.7	3.11	4.19	1.45	NO
L0005536	0	0.75760E-06	524273.7	4259560.5	128.5	3.11	4.19	1.45	NO
L0005537	0	0.75760E-06	524279.4	4259553.5	127.8	3.11	4.19	1.45	NO
L0005538	0	0.75760E-06	524285.1	4259546.6	127.3	3.11	4.19	1.45	NO
L0005539	0	0.75760E-06	524290.8	4259539.6	127.1	3.11	4.19	1.45	NO
L0005540	0	0.75760E-06	524296.6	4259532.7	126.7	3.11	4.19	1.45	NO
L0005541	0	0.75760E-06	524302.3	4259525.7	126.0	3.11	4.19	1.45	NO

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION SCALAR VARY BY
L0005542	0	0.75760E-06	524307.7	4259518.6	125.6	3.11	4.19	1.45	NO	
L0005543	0	0.75760E-06	524310.8	4259510.1	125.5	3.11	4.19	1.45	NO	
L0005544	0	0.75760E-06	524313.9	4259501.7	125.7	3.11	4.19	1.45	NO	
L0005545	0	0.75760E-06	524316.9	4259493.2	125.7	3.11	4.19	1.45	NO	
L0005546	0	0.75760E-06	524320.0	4259484.8	125.4	3.11	4.19	1.45	NO	
L0005547	0	0.75760E-06	524323.1	4259476.3	125.2	3.11	4.19	1.45	NO	
L0005548	0	0.75760E-06	524326.1	4259467.8	125.1	3.11	4.19	1.45	NO	
L0005549	0	0.75760E-06	524328.4	4259459.2	125.9	3.11	4.19	1.45	NO	
L0005550	0	0.75760E-06	524328.5	4259450.2	126.7	3.11	4.19	1.45	NO	
L0005551	0	0.75760E-06	524328.6	4259441.2	127.5	3.11	4.19	1.45	NO	
L0005552	0	0.75760E-06	524328.8	4259432.2	128.3	3.11	4.19	1.45	NO	
L0005553	0	0.75760E-06	524328.6	4259423.3	128.7	3.11	4.19	1.45	NO	
L0005554	0	0.75760E-06	524326.9	4259414.4	129.2	3.11	4.19	1.45	NO	
L0005555	0	0.75760E-06	524325.1	4259405.6	129.8	3.11	4.19	1.45	NO	
L0005556	0	0.75760E-06	524323.4	4259396.8	130.1	3.11	4.19	1.45	NO	
L0005557	0	0.75760E-06	524321.7	4259387.9	130.4	3.11	4.19	1.45	NO	
L0005558	0	0.75760E-06	524320.0	4259379.1	130.5	3.11	4.19	1.45	NO	
L0005559	0	0.75760E-06	524319.7	4259370.2	130.5	3.11	4.19	1.45	NO	
L0005560	0	0.75760E-06	524320.1	4259361.2	130.5	3.11	4.19	1.45	NO	
L0005561	0	0.75760E-06	524320.5	4259352.2	130.4	3.11	4.19	1.45	NO	

Construction AERMOD_Unit Emissions

L0005562	0	0.75760E-06	524322.0	4259343.3	130.4	3.11	4.19	1.45	NO
L0005563	0	0.75760E-06	524323.5	4259334.4	130.0	3.11	4.19	1.45	NO
L0005564	0	0.75760E-06	524325.1	4259325.6	129.6	3.11	4.19	1.45	NO
L0005565	0	0.75760E-06	524326.6	4259316.7	129.3	3.11	4.19	1.45	NO
L0005566	0	0.75760E-06	524328.8	4259308.0	129.3	3.11	4.19	1.45	NO
L0005567	0	0.75760E-06	524331.5	4259299.4	129.4	3.11	4.19	1.45	NO
L0005568	0	0.75760E-06	524334.2	4259290.8	129.4	3.11	4.19	1.45	NO
L0005569	0	0.75760E-06	524336.9	4259282.3	129.2	3.11	4.19	1.45	NO
L0005570	0	0.75760E-06	524339.6	4259273.7	128.9	3.11	4.19	1.45	NO
L0005571	0	0.75760E-06	524342.4	4259265.1	128.4	3.11	4.19	1.45	NO
L0005572	0	0.75760E-06	524345.1	4259256.5	127.8	3.11	4.19	1.45	NO
L0005573	0	0.75760E-06	524348.4	4259248.2	127.0	3.11	4.19	1.45	NO
L0005574	0	0.75760E-06	524352.2	4259240.0	126.3	3.11	4.19	1.45	NO
L0005575	0	0.75760E-06	524356.0	4259231.9	125.5	3.11	4.19	1.45	NO
L0005576	0	0.75760E-06	524359.8	4259223.7	124.7	3.11	4.19	1.45	NO
L0005577	0	0.75760E-06	524363.7	4259215.6	124.4	3.11	4.19	1.45	NO
L0005578	0	0.75760E-06	524365.9	4259207.1	124.0	3.11	4.19	1.45	NO
L0005579	0	0.75760E-06	524365.7	4259198.1	123.2	3.11	4.19	1.45	NO
L0005580	0	0.75760E-06	524365.6	4259189.1	122.3	3.11	4.19	1.45	NO
L0005581	0	0.75760E-06	524365.5	4259180.1	120.5	3.11	4.19	1.45	NO

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 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER CATS.	EMISSION PART. (GRAMS/SEC)	RATE (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION SCALAR VARY BY
L0005582	0	0.75760E-06	524365.3	4259171.1	118.7	3.11	4.19	1.45	NO		
L0005583	0	0.75760E-06	524365.2	4259162.1	116.9	3.11	4.19	1.45	NO		
L0005584	0	0.75760E-06	524365.0	4259153.1	116.5	3.11	4.19	1.45	NO		
L0005585	0	0.75760E-06	524365.5	4259144.1	117.6	3.11	4.19	1.45	NO		
L0005586	0	0.75760E-06	524366.9	4259135.2	118.8	3.11	4.19	1.45	NO		
L0005587	0	0.75760E-06	524368.3	4259126.4	119.8	3.11	4.19	1.45	NO		
L0005588	0	0.75760E-06	524372.5	4259118.7	119.8	3.11	4.19	1.45	NO		
L0005589	0	0.75760E-06	524378.0	4259111.5	119.7	3.11	4.19	1.45	NO		
L0005590	0	0.75760E-06	524383.5	4259104.4	119.6	3.11	4.19	1.45	NO		
L0005591	0	0.75760E-06	524389.0	4259097.3	119.6	3.11	4.19	1.45	NO		
L0005592	0	0.75760E-06	524394.5	4259090.2	119.1	3.11	4.19	1.45	NO		
L0005593	0	0.75760E-06	524400.0	4259083.1	118.5	3.11	4.19	1.45	NO		
L0005331	0	0.76340E-06	524303.3	4260037.7	155.2	1.00	4.19	0.23	NO		
L0005332	0	0.76340E-06	524294.3	4260037.7	154.3	1.00	4.19	0.23	NO		
L0005333	0	0.76340E-06	524285.3	4260037.7	153.4	1.00	4.19	0.23	NO		
L0005334	0	0.76340E-06	524276.3	4260037.7	152.7	1.00	4.19	0.23	NO		
L0005335	0	0.76340E-06	524267.3	4260037.7	152.1	1.00	4.19	0.23	NO		
L0005336	0	0.76340E-06	524258.3	4260037.7	151.4	1.00	4.19	0.23	NO		
L0005337	0	0.76340E-06	524249.3	4260037.7	150.6	1.00	4.19	0.23	NO		
L0005338	0	0.76340E-06	524240.3	4260037.7	149.8	1.00	4.19	0.23	NO		
L0005339	0	0.76340E-06	524231.3	4260037.7	149.5	1.00	4.19	0.23	NO		
L0005340	0	0.76340E-06	524222.3	4260037.7	149.3	1.00	4.19	0.23	NO		
L0005341	0	0.76340E-06	524213.3	4260037.7	149.1	1.00	4.19	0.23	NO		
L0005342	0	0.76340E-06	524204.3	4260037.7	149.2	1.00	4.19	0.23	NO		
L0005343	0	0.76340E-06	524195.3	4260037.7	149.2	1.00	4.19	0.23	NO		
L0005344	0	0.76340E-06	524186.3	4260037.7	149.2	1.00	4.19	0.23	NO		
L0005345	0	0.76340E-06	524177.3	4260037.7	149.3	1.00	4.19	0.23	NO		
L0005346	0	0.76340E-06	524168.3	4260037.7	149.4	1.00	4.19	0.23	NO		
L0005347	0	0.76340E-06	524159.3	4260037.7	148.9	1.00	4.19	0.23	NO		
L0005348	0	0.76340E-06	524150.3	4260037.7	148.2	1.00	4.19	0.23	NO		
L0005349	0	0.76340E-06	524142.9	4260036.1	147.6	1.00	4.19	0.23	NO		
L0005350	0	0.76340E-06	524143.3	4260027.1	147.2	1.00	4.19	0.23	NO		
L0005351	0	0.76340E-06	524143.7	4260018.1	146.9	1.00	4.19	0.23	NO		
L0005352	0	0.76340E-06	524144.1	4260009.2	146.4	1.00	4.19	0.23	NO		
L0005353	0	0.76340E-06	524144.5	4260000.2	146.0	1.00	4.19	0.23	NO		
L0005354	0	0.76340E-06	524144.9	4259991.2	145.5	1.00	4.19	0.23	NO		
L0005355	0	0.76340E-06	524145.2	4259982.2	144.9	1.00	4.19	0.23	NO		

Construction AERMOD_Unit Emissions

L0005356 0 0.76340E-06 524145.6 4259973.2 144.2 1.00 4.19 0.23 NO
 L0005357 0 0.76340E-06 524146.0 4259964.2 143.6 1.00 4.19 0.23 NO
 L0005358 0 0.76340E-06 524146.4 4259955.2 142.9 1.00 4.19 0.23 NO
 ♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE (METERS)	EMISSION RATE SCALAR VARY BY
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L0005359	0	0.76340E-06	524146.8	4259946.2	142.2	1.00	4.19	0.23	NO
L0005360	0	0.76340E-06	524147.2	4259937.2	141.5	1.00	4.19	0.23	NO
L0005361	0	0.76340E-06	524147.6	4259928.2	140.9	1.00	4.19	0.23	NO
L0005362	0	0.76340E-06	524148.0	4259919.2	140.2	1.00	4.19	0.23	NO
L0005363	0	0.76340E-06	524148.4	4259910.2	139.6	1.00	4.19	0.23	NO
L0005364	0	0.76340E-06	524148.7	4259901.3	139.0	1.00	4.19	0.23	NO
L0005365	0	0.76340E-06	524149.1	4259892.3	138.5	1.00	4.19	0.23	NO
L0005366	0	0.76340E-06	524149.5	4259883.3	138.0	1.00	4.19	0.23	NO
L0005367	0	0.76340E-06	524150.4	4259874.3	137.5	1.00	4.19	0.23	NO
L0005368	0	0.76340E-06	524151.6	4259865.4	137.1	1.00	4.19	0.23	NO
L0005369	0	0.76340E-06	524152.8	4259856.5	136.3	1.00	4.19	0.23	NO
L0005370	0	0.76340E-06	524154.0	4259847.6	135.4	1.00	4.19	0.23	NO
L0005371	0	0.76340E-06	524155.7	4259838.8	134.4	1.00	4.19	0.23	NO
L0005372	0	0.76340E-06	524159.5	4259830.6	133.3	1.00	4.19	0.23	NO
L0005373	0	0.76340E-06	524163.3	4259822.5	132.3	1.00	4.19	0.23	NO
L0005374	0	0.76340E-06	524167.0	4259814.3	131.8	1.00	4.19	0.23	NO
L0005375	0	0.76340E-06	524170.8	4259806.1	131.7	1.00	4.19	0.23	NO
L0005376	0	0.76340E-06	524174.6	4259798.0	131.3	1.00	4.19	0.23	NO
L0005377	0	0.76340E-06	524178.4	4259789.8	130.7	1.00	4.19	0.23	NO
L0005378	0	0.76340E-06	524182.2	4259781.6	129.8	1.00	4.19	0.23	NO
L0005379	0	0.76340E-06	524186.0	4259773.5	128.9	1.00	4.19	0.23	NO
L0005380	0	0.76340E-06	524189.7	4259765.3	128.8	1.00	4.19	0.23	NO
L0005381	0	0.76340E-06	524193.5	4259757.1	128.8	1.00	4.19	0.23	NO
L0005382	0	0.76340E-06	524197.3	4259749.0	128.5	1.00	4.19	0.23	NO
L0005383	0	0.76340E-06	524201.1	4259740.8	127.9	1.00	4.19	0.23	NO
L0005384	0	0.76340E-06	524204.9	4259732.6	127.5	1.00	4.19	0.23	NO
L0005385	0	0.76340E-06	524208.7	4259724.5	127.3	1.00	4.19	0.23	NO
L0005386	0	0.76340E-06	524212.4	4259716.3	127.3	1.00	4.19	0.23	NO
L0005387	0	0.76340E-06	524217.0	4259708.5	127.5	1.00	4.19	0.23	NO
L0005388	0	0.76340E-06	524221.5	4259700.8	127.7	1.00	4.19	0.23	NO
L0005389	0	0.76340E-06	524226.1	4259693.0	127.7	1.00	4.19	0.23	NO
L0005390	0	0.76340E-06	524230.6	4259685.2	127.7	1.00	4.19	0.23	NO
L0005391	0	0.76340E-06	524235.2	4259677.5	127.8	1.00	4.19	0.23	NO
L0005392	0	0.76340E-06	524237.7	4259669.0	128.0	1.00	4.19	0.23	NO
L0005393	0	0.76340E-06	524238.6	4259660.1	128.2	1.00	4.19	0.23	NO
L0005394	0	0.76340E-06	524239.5	4259651.1	128.4	1.00	4.19	0.23	NO
L0005395	0	0.76340E-06	524240.3	4259642.2	128.7	1.00	4.19	0.23	NO
L0005396	0	0.76340E-06	524241.2	4259633.2	128.9	1.00	4.19	0.23	NO
L0005397	0	0.76340E-06	524242.1	4259624.2	129.0	1.00	4.19	0.23	NO
L0005398	0	0.76340E-06	524243.0	4259615.3	128.9	1.00	4.19	0.23	NO

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE (METERS)	EMISSION RATE SCALAR VARY BY
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L0005399	0	0.76340E-06	524243.9	4259606.3	128.5	1.00	4.19	0.23	NO
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Construction AERMOD_Unit Emissions

L0005400	0	0.76340E-06	524248.0	4259598.4	128.3	1.00	4.19	0.23	NO
L0005401	0	0.76340E-06	524252.6	4259590.7	128.2	1.00	4.19	0.23	NO
L0005402	0	0.76340E-06	524257.2	4259583.0	128.2	1.00	4.19	0.23	NO
L0005403	0	0.76340E-06	524261.8	4259575.2	128.4	1.00	4.19	0.23	NO
L0005404	0	0.76340E-06	524267.5	4259568.2	128.7	1.00	4.19	0.23	NO
L0005405	0	0.76340E-06	524273.1	4259561.2	128.6	1.00	4.19	0.23	NO
L0005406	0	0.76340E-06	524278.7	4259554.1	127.8	1.00	4.19	0.23	NO
L0005407	0	0.76340E-06	524284.3	4259547.1	127.3	1.00	4.19	0.23	NO
L0005408	0	0.76340E-06	524290.0	4259540.1	127.1	1.00	4.19	0.23	NO
L0005409	0	0.76340E-06	524295.6	4259533.1	126.7	1.00	4.19	0.23	NO
L0005410	0	0.76340E-06	524301.2	4259526.0	126.0	1.00	4.19	0.23	NO
L0005411	0	0.76340E-06	524306.8	4259519.0	125.5	1.00	4.19	0.23	NO
L0005412	0	0.76340E-06	524310.2	4259510.7	125.5	1.00	4.19	0.23	NO
L0005413	0	0.76340E-06	524313.4	4259502.3	125.7	1.00	4.19	0.23	NO
L0005414	0	0.76340E-06	524316.5	4259493.8	125.7	1.00	4.19	0.23	NO
L0005415	0	0.76340E-06	524319.6	4259485.4	125.4	1.00	4.19	0.23	NO
L0005416	0	0.76340E-06	524322.7	4259477.0	125.2	1.00	4.19	0.23	NO
L0005417	0	0.76340E-06	524325.8	4259468.5	125.1	1.00	4.19	0.23	NO
L0005418	0	0.76340E-06	524328.9	4259460.1	125.9	1.00	4.19	0.23	NO
L0005419	0	0.76340E-06	524329.1	4259451.1	126.7	1.00	4.19	0.23	NO
L0005420	0	0.76340E-06	524328.9	4259442.1	127.5	1.00	4.19	0.23	NO
L0005421	0	0.76340E-06	524328.8	4259433.1	128.2	1.00	4.19	0.23	NO
L0005422	0	0.76340E-06	524328.6	4259424.1	128.7	1.00	4.19	0.23	NO
L0005423	0	0.76340E-06	524328.2	4259415.2	129.1	1.00	4.19	0.23	NO
L0005424	0	0.76340E-06	524326.3	4259406.4	129.7	1.00	4.19	0.23	NO
L0005425	0	0.76340E-06	524324.4	4259397.6	130.1	1.00	4.19	0.23	NO
L0005426	0	0.76340E-06	524322.6	4259388.8	130.3	1.00	4.19	0.23	NO
L0005427	0	0.76340E-06	524320.7	4259380.0	130.5	1.00	4.19	0.23	NO
L0005428	0	0.76340E-06	524319.8	4259371.1	130.5	1.00	4.19	0.23	NO
L0005429	0	0.76340E-06	524320.1	4259362.1	130.5	1.00	4.19	0.23	NO
L0005430	0	0.76340E-06	524320.3	4259353.1	130.4	1.00	4.19	0.23	NO
L0005431	0	0.76340E-06	524320.6	4259344.1	130.4	1.00	4.19	0.23	NO
L0005432	0	0.76340E-06	524321.0	4259335.1	130.0	1.00	4.19	0.23	NO
L0005433	0	0.76340E-06	524323.3	4259326.4	129.6	1.00	4.19	0.23	NO
L0005434	0	0.76340E-06	524325.7	4259317.7	129.3	1.00	4.19	0.23	NO
L0005435	0	0.76340E-06	524328.0	4259309.0	129.2	1.00	4.19	0.23	NO
L0005436	0	0.76340E-06	524330.4	4259300.3	129.4	1.00	4.19	0.23	NO
L0005437	0	0.76340E-06	524332.7	4259291.6	129.4	1.00	4.19	0.23	NO
L0005438	0	0.76340E-06	524335.5	4259283.1	129.2	1.00	4.19	0.23	NO

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER CATS.	EMISSION PART. (GRAMS/SEC)	RATE (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION SCALAR	RATE VARY BY
L0005439	0	0.76340E-06	524338.5	4259274.6	128.9	1.00	4.19	0.23	NO			
L0005440	0	0.76340E-06	524341.4	4259266.1	128.5	1.00	4.19	0.23	NO			
L0005441	0	0.76340E-06	524344.4	4259257.6	127.8	1.00	4.19	0.23	NO			
L0005442	0	0.76340E-06	524347.4	4259249.1	127.1	1.00	4.19	0.23	NO			
L0005443	0	0.76340E-06	524350.3	4259240.6	126.3	1.00	4.19	0.23	NO			
L0005444	0	0.76340E-06	524354.7	4259232.7	125.6	1.00	4.19	0.23	NO			
L0005445	0	0.76340E-06	524359.1	4259224.9	124.8	1.00	4.19	0.23	NO			
L0005446	0	0.76340E-06	524363.6	4259217.1	124.6	1.00	4.19	0.23	NO			
L0005447	0	0.76340E-06	524366.0	4259208.8	124.2	1.00	4.19	0.23	NO			
L0005448	0	0.76340E-06	524365.9	4259199.8	123.3	1.00	4.19	0.23	NO			
L0005449	0	0.76340E-06	524365.7	4259190.8	122.5	1.00	4.19	0.23	NO			
L0005450	0	0.76340E-06	524365.6	4259181.8	120.9	1.00	4.19	0.23	NO			
L0005451	0	0.76340E-06	524365.4	4259172.8	119.1	1.00	4.19	0.23	NO			
L0005452	0	0.76340E-06	524365.3	4259163.8	117.2	1.00	4.19	0.23	NO			
L0005453	0	0.76340E-06	524365.1	4259154.8	116.2	1.00	4.19	0.23	NO			
L0005454	0	0.76340E-06	524365.0	4259145.8	117.4	1.00	4.19	0.23	NO			
L0005455	0	0.76340E-06	524366.5	4259136.9	118.6	1.00	4.19	0.23	NO			
L0005456	0	0.76340E-06	524368.0	4259128.0	119.7	1.00	4.19	0.23	NO			

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Construction AERMOD_Unit Emissions

L0005457 0 0.76340E-06 524371.5 4259120.0 119.8 1.00 4.19 0.23 NO
 L0005458 0 0.76340E-06 524376.9 4259112.8 119.7 1.00 4.19 0.23 NO
 L0005459 0 0.76340E-06 524382.3 4259105.6 119.6 1.00 4.19 0.23 NO
 L0005460 0 0.76340E-06 524387.7 4259098.4 119.6 1.00 4.19 0.23 NO
 L0005461 0 0.76340E-06 524393.1 4259091.2 119.2 1.00 4.19 0.23 NO
 ♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual AVerage with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** AREAPOLY SOURCE DATA ***

NUMBER EMISSION RATE LOCATION OF AREA BASE RELEASE NUMBER INIT. URBAN EMISSION RATE
 SOURCE PART. (GRAMS/SEC X Y ELEV. HEIGHT OF VERTS. SZ SOURCE SCALAR VARY
 ID CATS. /METER**2) (METERS) (METERS) (METERS) (METERS) (METERS) BY

 CONEX 0 0.10000E-03 524450.9 4260185.2 160.5 5.00 14 0.00 NO
 FDUST 0 0.10000E-03 524392.2 4260242.9 155.8 1.00 14 0.00 NO
 ♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual AVerage with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

CONEX CONEX ,
 FDUST FDUST ,
 MOBDUST L0005331 , L0005332 , L0005333 , L0005334 , L0005335 , L0005336 , L0005337 , L0005338 ,
 L0005339 , L0005340 , L0005341 , L0005342 , L0005343 , L0005344 , L0005345 , L0005346 ,
 L0005347 , L0005348 , L0005349 , L0005350 , L0005351 , L0005352 , L0005353 , L0005354 ,
 L0005355 , L0005356 , L0005357 , L0005358 , L0005359 , L0005360 , L0005361 , L0005362 ,
 L0005363 , L0005364 , L0005365 , L0005366 , L0005367 , L0005368 , L0005369 , L0005370 ,
 L0005371 , L0005372 , L0005373 , L0005374 , L0005375 , L0005376 , L0005377 , L0005378 ,
 L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 , L0005386 ,
 L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 , L0005394 ,
 L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , L0005401 , L0005402 ,
 L0005403 , L0005404 , L0005405 , L0005406 , L0005407 , L0005408 , L0005409 , L0005410 ,
 L0005411 , L0005412 , L0005413 , L0005414 , L0005415 , L0005416 , L0005417 , L0005418 ,
 L0005419 , L0005420 , L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 ,
 L0005427 , L0005428 , L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 ,
 L0005435 , L0005436 , L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 ,
 L0005443 , L0005444 , L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 ,
 L0005451 , L0005452 , L0005453 , L0005454 , L0005455 , L0005456 , L0005457 , L0005458 ,
 L0005459 , L0005460 , L0005461 ,

Construction AERMOD Unit Emissions

ONEX L0005462 , L0005463 , L0005464 , L0005465 , L0005466 , L0005467 , L0005468 , L0005469 ,
 ♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0005470	, L0005471 , L0005472 , L0005473 , L0005474 , L0005475 , L0005476 , L0005477 ,
L0005478	, L0005479 , L0005480 , L0005481 , L0005482 , L0005483 , L0005484 , L0005485 ,
L0005486	, L0005487 , L0005488 , L0005489 , L0005490 , L0005491 , L0005492 , L0005493 ,
L0005494	, L0005495 , L0005496 , L0005497 , L0005498 , L0005499 , L0005500 , L0005501 ,
L0005502	, L0005503 , L0005504 , L0005505 , L0005506 , L0005507 , L0005508 , L0005509 ,
L0005510	, L0005511 , L0005512 , L0005513 , L0005514 , L0005515 , L0005516 , L0005517 ,
L0005518	, L0005519 , L0005520 , L0005521 , L0005522 , L0005523 , L0005524 , L0005525 ,
L0005526	, L0005527 , L0005528 , L0005529 , L0005530 , L0005531 , L0005532 , L0005533 ,
L0005534	, L0005535 , L0005536 , L0005537 , L0005538 , L0005539 , L0005540 , L0005541 ,
L0005542	, L0005543 , L0005544 , L0005545 , L0005546 , L0005547 , L0005548 , L0005549 ,
L0005550	, L0005551 , L0005552 , L0005553 , L0005554 , L0005555 , L0005556 , L0005557 ,
L0005558	, L0005559 , L0005560 , L0005561 , L0005562 , L0005563 , L0005564 , L0005565 ,
L0005566	, L0005567 , L0005568 , L0005569 , L0005570 , L0005571 , L0005572 , L0005573 ,
L0005574	, L0005575 , L0005576 , L0005577 , L0005578 , L0005579 , L0005580 , L0005581 ,
L0005582	, L0005583 , L0005584 , L0005585 , L0005586 , L0005587 , L0005588 , L0005589 ,

L0005590 , L0005591 , L0005592 , L0005593 ,
 ♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

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

*** X-COORDINATES OF GRID ***
(METERS)

524142.3, 524152.3, 524162.3, 524172.3, 524182.3, 524192.3, 524202.3, 524212.3, 524222.3, 524232.3,
 524242.3, 524252.3, 524262.3, 524272.3, 524282.3,

*** Y-COORDINATES OF GRID ***
(METERS)

4260056.6, 4260066.6, 4260076.6, 4260086.6, 4260096.6, 4260106.6, 4260116.6, 4260126.6, 4260136.6, 4260146.6,
 4260156.6, 4260166.6, 4260176.6, 4260186.6, 4260196.6, 4260206.6, 4260216.6, 4260226.6, 4260236.6, 4260246.6,
 4260256.6,

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

Construction AERMOD_Unit Emissions
*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	524142.26	524152.26	524162.26	524172.26	524182.26	524192.26	524202.26	524212.26	524222.26
4260256.59	149.20	147.60	146.00	145.00	144.20	143.80	144.00	144.10	144.50
4260246.59	146.90	145.90	145.00	144.40	143.90	143.60	143.90	144.10	144.60
4260236.59	144.60	144.30	144.10	143.80	143.50	143.50	143.80	144.10	144.60
4260226.59	143.80	143.90	143.90	143.90	143.80	143.80	144.10	144.30	145.10
4260216.59	143.10	143.50	143.90	144.00	144.00	144.10	144.40	144.60	145.60
4260206.59	142.50	143.20	143.90	144.20	144.30	144.50	144.70	144.80	146.10
4260196.59	143.00	143.60	144.20	144.50	144.70	145.00	145.40	145.80	147.10
4260186.59	143.90	144.30	144.70	144.90	145.10	145.50	146.20	147.00	148.20
4260176.59	144.70	144.90	145.20	145.40	145.50	146.00	147.10	148.10	149.40
4260166.59	145.40	145.50	145.60	145.70	145.90	146.40	147.50	148.70	150.20
4260156.59	146.10	146.00	146.00	146.00	146.10	146.70	147.90	149.20	150.80
4260146.59	146.70	146.50	146.30	146.40	146.40	147.00	148.30	149.70	151.50
4260136.59	147.20	147.20	147.20	147.40	147.60	148.10	149.40	150.60	152.30
4260126.59	147.50	147.90	148.30	148.70	149.10	149.70	150.80	151.90	153.20
4260116.59	147.80	148.60	149.40	150.00	150.70	151.30	152.20	153.10	154.10
4260106.59	148.00	149.20	150.30	151.00	151.60	152.30	153.00	153.70	154.40
4260096.59	148.20	149.60	151.10	151.80	152.20	152.70	153.20	153.70	154.10
4260086.59	148.30	150.10	151.90	152.60	152.90	153.20	153.50	153.80	153.90
4260076.59	148.40	150.20	152.00	152.60	152.70	152.90	153.10	153.30	153.30
4260066.59	148.20	149.80	151.40	151.80	151.90	151.90	152.10	152.30	152.40
4260056.59	148.10	149.40	150.80	151.10	151.00	151.00	151.20	151.40	151.40

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* ELEVATION HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	524232.26	524242.26	524252.26	524262.26	524272.26	524282.26
4260256.59	145.00	145.30	145.60	145.90	146.20	146.50
4260246.59	145.00	145.40	145.70	145.90	146.10	146.20
4260236.59	145.10	145.50	145.80	146.00	146.00	146.00
4260226.59	145.80	146.30	146.40	146.60	146.60	146.60
4260216.59	146.60	147.10	147.10	147.10	147.20	147.20
4260206.59	147.40	148.00	147.90	147.70	147.70	147.80
4260196.59	148.50	149.10	148.90	148.70	148.70	148.70
4260186.59	149.60	150.10	150.00	149.80	149.70	149.70
4260176.59	150.70	151.20	151.00	150.90	150.70	150.60
4260166.59	151.60	152.40	152.50	152.50	152.10	151.70
4260156.59	152.50	153.50	154.00	154.40	153.60	152.80
4260146.59	153.30	154.70	155.60	156.30	155.10	153.90
4260136.59	154.00	155.30	156.10	156.80	155.50	154.20
4260126.59	154.60	155.60	156.20	156.60	155.40	154.20
4260116.59	155.20	155.90	156.20	156.50	155.40	154.30
4260106.59	155.10	155.60	155.80	155.90	155.10	154.20
4260096.59	154.60	154.90	155.00	155.10	154.60	154.10
4260086.59	154.00	154.10	154.20	154.20	154.10	153.90
4260076.59	153.30	153.30	153.40	153.50	153.60	153.70
4260066.59	152.40	152.50	152.80	153.00	153.20	153.40
4260056.59	151.50	151.70	152.10	152.50	152.80	153.10

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

Construction AERMOD_Unit Emissions
 * HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	524142.26	524152.26	524162.26	524172.26	524182.26	524192.26	524202.26	524212.26	524222.26
4260256.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260246.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260236.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260226.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260216.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260206.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260196.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260186.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260176.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260166.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260156.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260146.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260136.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260126.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260116.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260106.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260096.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260086.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260076.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260066.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90
4260056.59	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90	275.90

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	524232.26	524242.26	524252.26	524262.26	524272.26	524282.26
4260256.59	275.90	275.90	275.90	275.90	275.90	275.90
4260246.59	275.90	275.90	275.90	275.90	275.90	275.90
4260236.59	275.90	275.90	275.90	275.90	275.90	275.90
4260226.59	275.90	275.90	275.90	275.90	275.90	275.90
4260216.59	275.90	275.90	275.90	275.90	275.90	275.90
4260206.59	275.90	275.90	275.90	275.90	275.90	275.90
4260196.59	275.90	275.90	275.90	275.90	275.90	275.90
4260186.59	275.90	275.90	275.90	275.90	275.90	275.90
4260176.59	275.90	275.90	275.90	275.90	275.90	275.90
4260166.59	275.90	275.90	275.90	275.90	275.90	275.90
4260156.59	275.90	275.90	275.90	275.90	275.90	275.90
4260146.59	275.90	275.90	275.90	275.90	275.90	275.90
4260136.59	275.90	275.90	275.90	275.90	275.90	275.90
4260126.59	275.90	275.90	275.90	275.90	275.90	275.90
4260116.59	275.90	275.90	275.90	275.90	275.90	275.90
4260106.59	275.90	275.90	275.90	275.90	275.90	275.90
4260096.59	275.90	275.90	275.90	275.90	275.90	275.90
4260086.59	275.90	275.90	275.90	275.90	275.90	275.90
4260076.59	275.90	275.90	275.90	275.90	275.90	275.90
4260066.59	275.90	275.90	275.90	275.90	275.90	275.90
4260056.59	275.90	275.90	275.90	275.90	275.90	275.90

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Construction AERMOD_Unit Emissions

Y-COORD (METERS)	X-COORD (METERS)								
	524142.26	524152.26	524162.26	524172.26	524182.26	524192.26	524202.26	524212.26	524222.26
4260256.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260246.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260236.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260226.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260216.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260206.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260196.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260186.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260176.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260166.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260156.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260146.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260136.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260126.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260116.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260106.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260096.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260086.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260076.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260066.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
4260056.59	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

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

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)					
	524232.26	524242.26	524252.26	524262.26	524272.26	524282.26
4260256.59	2.00	2.00	2.00	2.00	2.00	2.00
4260246.59	2.00	2.00	2.00	2.00	2.00	2.00
4260236.59	2.00	2.00	2.00	2.00	2.00	2.00
4260226.59	2.00	2.00	2.00	2.00	2.00	2.00
4260216.59	2.00	2.00	2.00	2.00	2.00	2.00
4260206.59	2.00	2.00	2.00	2.00	2.00	2.00
4260196.59	2.00	2.00	2.00	2.00	2.00	2.00
4260186.59	2.00	2.00	2.00	2.00	2.00	2.00
4260176.59	2.00	2.00	2.00	2.00	2.00	2.00
4260166.59	2.00	2.00	2.00	2.00	2.00	2.00
4260156.59	2.00	2.00	2.00	2.00	2.00	2.00
4260146.59	2.00	2.00	2.00	2.00	2.00	2.00
4260136.59	2.00	2.00	2.00	2.00	2.00	2.00
4260126.59	2.00	2.00	2.00	2.00	2.00	2.00
4260116.59	2.00	2.00	2.00	2.00	2.00	2.00
4260106.59	2.00	2.00	2.00	2.00	2.00	2.00
4260096.59	2.00	2.00	2.00	2.00	2.00	2.00
4260086.59	2.00	2.00	2.00	2.00	2.00	2.00
4260076.59	2.00	2.00	2.00	2.00	2.00	2.00
4260066.59	2.00	2.00	2.00	2.00	2.00	2.00
4260056.59	2.00	2.00	2.00	2.00	2.00	2.00

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(524204.6, 4260012.5, 146.9, 275.9, 2.0); (524203.4, 4260005.0, 146.6, 275.9, 2.0);
 (524204.6, 4259997.7, 146.3, 275.9, 2.0); (524204.4, 4259988.3, 146.0, 275.9, 2.0);

Construction AERMOD_Unit Emissions

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.

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT 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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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.	-999999.0	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)

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: CONEX ***
INCLUDING SOURCE(S): CONEX

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

** CONC OF DPM IN MICROGRAMS/M**3 **

Construction AERMOD_Unit Emissions

Y-COORD (METERS)	X-COORD (METERS)								
	524142.26	524152.26	524162.26	524172.26	524182.26	524192.26	524202.26	524212.26	524222.26
4260256.59	63.27844	67.88944	73.10615	79.06455	85.63269	92.89768	100.97530	109.73049	119.37180
4260246.59	60.11709	65.02656	70.46200	76.49925	83.12381	90.40430	98.51007	107.31993	117.03971
4260236.59	57.25803	62.26404	67.78915	73.83304	80.45767	87.78068	95.86919	104.71266	114.45128
4260226.59	54.75168	59.72120	65.18838	71.21482	77.82363	85.10639	93.17504	101.98783	111.85445
4260216.59	52.22808	57.11478	62.53704	68.48458	75.03502	82.28282	90.31624	99.11779	109.07501
4260206.59	49.68543	54.46591	59.80029	65.66742	72.14026	79.33549	87.29168	96.03733	106.11057
4260196.59	47.24103	51.86228	57.03641	62.76793	69.14219	76.26543	84.21254	93.02992	103.17083
4260186.59	44.80993	49.24912	54.23437	59.79336	66.02485	73.05073	80.99916	89.92913	100.11195
4260176.59	42.34343	46.58086	51.37216	56.75529	62.79858	69.69870	77.66072	86.63544	96.95901
4260166.59	39.85495	43.88765	48.44876	53.61160	59.47834	66.19535	73.99952	82.94881	93.39512
4260156.59	37.37553	41.17286	45.50066	50.42104	56.04008	62.55726	70.18979	79.02836	89.48423
4260146.59	34.91067	38.47268	42.53351	47.22415	52.57090	58.83153	66.24871	74.92934	85.44081
4260136.59	32.48057	35.84030	39.68670	44.13922	49.26287	55.24682	62.45342	70.88509	81.30811
4260126.59	30.09301	33.26990	36.92880	41.15616	46.05445	51.81059	58.75993	67.02151	77.16715
4260116.59	27.79734	30.78591	34.25988	38.26343	42.97860	48.48231	55.15597	63.16308	73.01000
4260106.59	25.60000	28.39425	31.66419	35.41244	39.79229	45.02630	51.27826	58.79891	67.91366
4260096.59	23.53079	26.09694	29.18340	32.64192	36.61105	41.36027	47.02737	53.82958	61.91342
4260086.59	21.59145	23.96287	26.86575	30.04266	33.63300	37.88825	42.96298	49.05134	56.18181
4260076.59	19.80364	21.92053	24.51683	27.31630	30.43111	34.16676	38.62744	43.99150	50.32994
4260066.59	18.14520	19.98021	22.19330	24.57148	27.29269	30.48928	34.38194	39.07954	44.74243
4260056.59	16.65898	18.23469	20.11918	22.16105	24.48349	27.26282	30.64161	34.72966	39.65109

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: CONEX ***
 INCLUDING SOURCE(S): CONEX ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)					
	524232.26	524242.26	524252.26	524262.26	524272.26	524282.26
4260256.59	129.93656	141.39494	153.94836	167.74675	182.97086	199.82548
4260246.59	127.62549	139.21518	151.88330	165.77608	181.15535	198.22314
4260236.59	125.11417	136.75615	149.48659	163.44989	178.78193	195.89834
4260226.59	122.65758	134.42799	147.12522	161.15029	176.51372	193.62953
4260216.59	120.07429	131.93608	144.64966	158.60600	174.05893	191.12986
4260206.59	117.32584	129.35813	142.10043	155.99845	171.42816	188.56338
4260196.59	114.59060	126.79482	139.58391	153.60642	169.17274	186.30579
4260186.59	111.72725	124.05046	137.07579	151.27387	166.95301	184.27748
4260176.59	108.74974	121.31012	134.40083	148.93734	164.76507	182.25580
4260166.59	105.46330	118.68810	132.44389	147.48699	163.28542	180.65307
4260156.59	102.03865	116.02198	131.09559	147.87102	162.60973	179.26766
4260146.59	98.34866	113.88363	131.53113	151.67367	163.35260	178.22241
4260136.59	94.34853	110.21367	128.10313	149.29059	160.02324	174.59986
4260126.59	89.98838	105.24686	122.31356	141.49896	153.70788	169.41635
4260116.59	85.47229	99.87961	115.55638	133.97163	147.30406	163.94360
4260106.59	79.05041	92.13427	106.75996	123.53432	139.07558	157.14298
4260096.59	71.82628	83.44663	96.90217	112.89804	129.84345	149.61423
4260086.59	64.77613	75.16148	87.72111	102.68299	120.37631	141.03056
4260076.59	58.02695	67.41470	79.01080	93.22155	110.58895	131.60070
4260066.59	51.61543	60.14188	70.86425	84.11952	100.64116	121.11868
4260056.59	45.74596	53.35839	63.00343	75.17601	90.52321	109.90466

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: CONEX ***
 INCLUDING SOURCE(S): CONEX ,

Construction AERMOD_Unit Emissions

*** 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	19.33437	524203.43	4260005.01	17.80836
524204.65	4259997.73	16.89502	524204.40	4259988.28	15.64266
524189.13	4260004.28	15.64744	524189.37	4259993.85	14.46873
524190.83	4259982.70	13.57054	524246.78	4259946.49	18.06374
524255.34	4259929.66	18.87227	524250.49	4259937.65	18.24945
524232.52	4259935.94	15.22331	524220.54	4259937.94	13.83059
524212.55	4259949.92	13.50383	524206.28	4259957.62	13.28777
524199.43	4259957.05	12.62421	524188.31	4259954.48	11.60033
524196.86	4259946.49	11.92832	524203.71	4259947.63	12.55469
524199.43	4259934.80	11.72428	524206.56	4259925.10	12.05939
524213.12	4259917.68	12.50918	524241.93	4259920.25	16.14925
524215.97	4259907.70	12.62977	524221.11	4259892.30	13.02083
524238.79	4259898.86	15.37967	524238.79	4259907.98	15.46597
524237.37	4259884.59	15.11213	524214.83	4259881.17	12.25484
524203.14	4259873.47	11.07302	524198.29	4259867.19	10.61282
524232.80	4259867.19	14.41145	524233.09	4259857.50	14.39895
524235.66	4259852.36	14.74749	524239.65	4259845.51	15.31142
524243.93	4259834.68	15.90722	524250.49	4259823.84	16.88019
524243.64	4259822.12	15.74828	524232.80	4259816.13	14.11291
524225.10	4259826.40	13.15392	524218.26	4259836.67	12.38900
524210.55	4259846.94	11.61325	524202.00	4259857.50	10.86601
524265.77	4259728.17	17.60845	524273.47	4259713.63	18.31944
524276.89	4259698.51	18.35182	524260.92	4259693.94	16.21410
524251.79	4259711.06	15.45701	524250.65	4259723.04	15.51003
524265.20	4259620.63	15.04351	524284.88	4259588.39	15.99980
524305.71	4259554.73	16.71097	524315.12	4259565.00	17.93953
524303.99	4259604.08	18.37663	524638.04	4260127.68	64.98125
524645.94	4260114.25	48.18159	524647.12	4260105.17	52.48543
524662.52	4260077.53	55.34444	524692.14	4260053.84	49.82181
524752.55	4260050.68	56.17695	524338.94	4260404.55	180.99619
524441.43	4260403.88	49.09915	524538.99	4260369.97	18.02405
524566.40	4260356.96	16.65195	524530.17	4260389.94	17.48023
524498.28	4260239.21	198.77532	524477.41	4260262.98	215.87822
524494.80	4260256.02	194.24840	524515.67	4260222.40	178.35986
524519.73	4260238.63	168.66669	524519.15	4260249.06	163.40191
524529.00	4260210.80	163.94729	524535.38	4260221.82	152.49309
524534.22	4260237.47	148.30885	524546.97	4260196.89	139.50533
524546.97	4260211.38	140.07729	524549.87	4260224.14	133.34804
524560.30	4260187.04	125.26162	524569.00	4260203.85	117.29912
524580.01	4260180.66	113.78087	524580.01	4260198.05	109.63724

♀ *** AERMOD - VERSION 18081 *** ** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** ** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: CONEX ***
 INCLUDING SOURCE(S): CONEX ,

*** 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	107.37521	524598.57	4260182.98	100.52243
524596.25	4260169.64	103.99289	524290.77	4259394.44	11.62831
524300.87	4259318.37	10.56846	524313.23	4259256.84	9.91889
524355.37	4259274.55	11.75060	524363.66	4259261.55	11.77964
524374.42	4259248.10	11.89994	524317.94	4259218.97	9.44856
524384.51	4259227.93	11.84198	524333.18	4259184.00	9.35128
524398.63	4259201.26	11.76000	524358.73	4259346.49	13.61930
524368.37	4259314.89	13.25502	524387.42	4259291.81	13.50522

♀ *** AERMOD - VERSION 18081 *** ** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19

Construction AERMOD_Unit Emissions

*** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FDUST ***
INCLUDING SOURCE(S): FDUST

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

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)								
	524142.26	524152.26	524162.26	524172.26	524182.26	524192.26	524202.26	524212.26	524222.26
4260256.59	79.43452	82.91935	87.72476	94.56157	102.56205	111.87981	122.76642	134.65150	148.19957
4260246.59	72.08101	77.42235	83.72573	91.16789	99.54350	108.99595	119.99819	132.05950	145.83151
4260236.59	66.85759	73.07536	80.08287	87.78969	96.34040	106.04734	117.05353	129.26042	143.08917
4260226.59	63.63712	69.99037	77.02954	84.88622	93.55504	103.26676	114.31971	126.49655	140.85307
4260216.59	60.56664	66.88984	74.02616	81.84782	90.52962	100.30654	111.39560	123.64930	138.47010
4260206.59	57.57828	63.81241	70.92220	78.74150	87.40918	97.23554	108.25356	120.46055	135.91438
4260196.59	54.97094	61.00287	67.89829	75.56729	84.19508	94.05539	105.31817	118.04288	134.24540
4260186.59	52.48249	58.27685	64.90248	72.33649	80.81686	90.68264	102.35089	116.01364	133.11979
4260176.59	49.93828	55.45179	61.82742	69.06897	77.28728	87.12997	99.46053	114.07856	133.00154
4260166.59	47.33602	52.59048	58.61670	65.54892	73.63046	83.30484	95.59520	110.92740	131.70101
4260156.59	44.74664	49.64895	55.36224	61.95890	69.68680	79.21730	91.54050	107.31017	129.35508
4260146.59	42.13619	46.71770	52.01591	58.40606	65.75278	74.99610	87.30393	103.49779	127.36402
4260136.59	39.52347	43.99032	49.17127	55.41054	62.72795	71.81049	84.66038	101.16707	125.52361
4260126.59	36.84580	41.37132	46.70601	53.02952	60.57068	70.10441	83.56357	100.87043	122.95438
4260116.59	34.27456	38.89948	44.56673	51.17529	59.51270	69.50786	82.95470	99.19812	117.25985
4260106.59	31.75449	36.48825	42.44124	49.14625	57.13170	67.19375	79.35399	93.66427	109.11686
4260096.59	29.38192	34.00596	40.35359	46.80409	53.91952	62.79491	73.51649	86.39001	101.19896
4260086.59	27.10087	31.81402	38.36625	44.38081	50.78928	58.51198	67.87700	79.30623	92.98234
4260076.59	24.99616	29.30252	35.29165	40.57067	45.99027	52.75499	61.03033	71.26797	83.51022
4260066.59	22.90030	26.46600	31.40513	35.71174	40.34226	45.71745	52.81894	61.66437	72.43402
4260056.59	21.07298	23.96447	27.94279	31.46911	35.04678	39.54766	45.49961	52.92396	61.62762

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19

*** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FDUST ***
INCLUDING SOURCE(S): FDUST

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

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD (METERS)	X-COORD (METERS)						
	524232.26	524242.26	524252.26	524262.26	524272.26	524282.26	
4260256.59	163.50041	180.34404	199.39322	221.09523	246.00389	274.83123	
4260246.59	161.09583	178.28646	197.57146	219.34171	244.43562	273.42626	
4260236.59	158.59659	175.91243	195.35027	217.31282	242.07144	271.10285	
4260226.59	156.97024	174.86142	194.13214	216.40192	241.38439	270.60885	
4260216.59	155.57216	173.96878	193.25339	215.19090	240.75961	270.10561	
4260206.59	154.28365	173.69944	192.96530	214.42999	239.91800	269.92980	
4260196.59	154.29534	174.97577	194.18336	215.98411	242.11480	272.25102	
4260186.59	155.16931	176.84709	197.33305	219.74285	246.13046	277.34043	
4260176.59	157.07225	180.58730	201.37237	225.78736	252.48694	284.20794	
4260166.59	158.21251	185.72687	211.37868	239.74072	266.82024	296.93165	
4260156.59	158.92760	187.73782	215.96561	246.43496	281.74853	312.64472	
4260146.59	157.33089	181.84828	204.92829	229.53690	275.20396	323.79562	
4260136.59	152.36039	173.05876	195.18979	218.55279	267.60557	320.97250	
4260126.59	144.20178	164.19810	187.19719	214.08304	263.24616	317.95054	
4260116.59	134.64752	154.38131	179.05855	207.52311	256.98152	313.71071	
4260106.59	126.43868	146.99941	172.87294	204.71088	252.05578	309.01872	
4260096.59	118.66321	140.11998	167.19858	200.74530	246.41138	302.78341	
4260086.59	110.01216	131.41381	158.45038	192.98789	237.41487	294.60760	

Construction AERMOD_Unit Emissions

4260076.59 | 98.95165 118.60313 144.47334 178.17531 222.59302 281.79722
 4260066.59 | 85.65517 103.21309 127.70177 159.48520 202.53743 262.13724
 4260056.59 | 73.08716 88.45104 110.18687 139.94322 180.24154 237.92983

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FDUST ***
 INCLUDING SOURCE(S): FDUST ,

*** 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	26.55846	524203.43	4260005.01	24.39676
524204.65	4259997.73	23.18000	524204.40	4259988.28	21.42865
524189.13	4260004.28	20.96439	524189.37	4259993.85	19.36742
524190.83	4259982.70	18.18320	524246.78	4259946.49	26.56261
524255.34	4259929.66	27.60716	524250.49	4259937.65	26.72499
524232.52	4259935.94	21.29951	524220.54	4259937.94	18.99974
524212.55	4259949.92	18.50522	524206.28	4259957.62	18.10509
524199.43	4259957.05	17.00615	524188.31	4259954.48	15.35093
524196.86	4259946.49	15.90470	524203.71	4259947.63	16.92729
524199.43	4259934.80	15.54543	524206.56	4259925.10	16.01302
524213.12	4259917.68	16.64912	524241.93	4259920.25	22.54946
524215.97	4259907.70	16.71194	524221.11	4259892.30	17.10770
524238.79	4259898.86	20.85466	524238.79	4259907.98	21.15944
524237.37	4259884.59	20.24184	524214.83	4259881.17	15.80158
524203.14	4259873.47	13.96416	524198.29	4259867.19	13.23138
524232.80	4259867.19	18.91239	524233.09	4259857.50	18.67546
524235.66	4259852.36	19.09485	524239.65	4259845.51	19.78135
524243.93	4259834.68	20.40463	524250.49	4259823.84	21.56711
524243.64	4259822.12	19.90436	524232.80	4259816.13	17.44330
524225.10	4259826.40	16.21302	524218.26	4259836.67	15.30448
524210.55	4259846.94	14.37702	524202.00	4259857.50	13.46875
524265.77	4259728.17	21.10819	524273.47	4259713.63	21.84161
524276.89	4259698.51	21.68530	524260.92	4259693.94	19.01922
524251.79	4259711.06	18.22071	524250.65	4259723.04	18.37064
524265.20	4259620.63	17.06117	524284.88	4259588.39	18.08057
524305.71	4259554.73	18.72646	524315.12	4259565.00	20.24197
524303.99	4259604.08	20.99776	524638.04	4260127.68	56.56225
524645.94	4260114.25	50.39967	524647.12	4260105.17	52.49228
524662.52	4260077.53	52.00256	524692.14	4260053.84	45.48168
524752.55	4260050.68	44.71633	524338.94	4260404.55	148.39205
524441.43	4260403.88	48.44571	524538.99	4260369.97	16.94805
524566.40	4260356.96	15.35646	524530.17	4260389.94	16.46184
524498.28	4260239.21	185.10422	524477.41	4260262.98	191.00852
524494.80	4260256.02	161.23468	524515.67	4260222.40	177.19843
524519.73	4260238.63	134.98568	524519.15	4260249.06	121.29184
524529.00	4260210.80	162.27017	524535.38	4260221.82	132.64171
524534.22	4260237.47	115.59070	524546.97	4260196.89	158.13839
524546.97	4260211.38	126.66217	524549.87	4260224.14	108.76910
524560.30	4260187.04	154.10533	524569.00	4260203.85	104.52411
524580.01	4260180.66	106.00406	524580.01	4260198.05	95.36147

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: FDUST ***
 INCLUDING SOURCE(S): FDUST ,

*** 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
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Construction AERMOD_Unit Emissions

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524588.13 4260163.27 124.92577          524598.57 4260182.98 87.16355
524596.25 4260169.64 98.92994          524290.77 4259394.44 12.54658
524300.87 4259318.37 11.21307          524313.23 4259256.84 10.39685
524355.37 4259274.55 12.49311          524363.66 4259261.55 12.51823
524374.42 4259248.10 12.65519          524317.94 4259218.97 9.84162
524384.51 4259227.93 12.58283          524333.18 4259184.00 9.72650
524398.63 4259201.26 12.45650          524358.73 4259346.49 14.66352
524368.37 4259314.89 14.24487          524387.42 4259291.81 14.51140
♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOBDUST

INCLUDING SOURCE(S): L0005331 , L0005332 , L0005333 , L0005334 , L0005335 ,
L0005336 , L0005337 , L0005338 , L0005339 , L0005340 , L0005341 , L0005342 , L0005343 ,
L0005344 , L0005345 , L0005346 , L0005347 , L0005348 , L0005349 , L0005350 , L0005351 ,
L0005352 , L0005353 , L0005354 , L0005355 , L0005356 , L0005357 , L0005358 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

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Y-COORD | X-COORD (METERS)
(METERS)| 524142.26 524152.26 524162.26 524172.26 524182.26 524192.26 524202.26 524212.26 524222.26
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4260256.59 | 0.00174 0.00186 0.00193 0.00193 0.00190 0.00184 0.00177 0.00169 0.00160
4260246.59 | 0.00196 0.00203 0.00206 0.00204 0.00200 0.00193 0.00185 0.00177 0.00168
4260236.59 | 0.00211 0.00216 0.00218 0.00216 0.00211 0.00204 0.00195 0.00186 0.00176
4260226.59 | 0.00223 0.00228 0.00231 0.00229 0.00223 0.00215 0.00206 0.00195 0.00186
4260216.59 | 0.00235 0.00242 0.00245 0.00243 0.00237 0.00228 0.00217 0.00206 0.00196
4260206.59 | 0.00249 0.00257 0.00261 0.00258 0.00251 0.00242 0.00230 0.00218 0.00209
4260196.59 | 0.00265 0.00274 0.00278 0.00275 0.00268 0.00257 0.00246 0.00234 0.00224
4260186.59 | 0.00283 0.00294 0.00298 0.00295 0.00286 0.00275 0.00264 0.00253 0.00236
4260176.59 | 0.00305 0.00316 0.00321 0.00316 0.00306 0.00295 0.00284 0.00267 0.00245
4260166.59 | 0.00328 0.00341 0.00346 0.00340 0.00330 0.00318 0.00305 0.00284 0.00256
4260156.59 | 0.00354 0.00369 0.00374 0.00367 0.00355 0.00343 0.00327 0.00302 0.00269
4260146.59 | 0.00382 0.00400 0.00406 0.00399 0.00385 0.00373 0.00352 0.00322 0.00281
4260136.59 | 0.00412 0.00433 0.00439 0.00431 0.00417 0.00399 0.00367 0.00333 0.00289
4260126.59 | 0.00447 0.00461 0.00459 0.00445 0.00427 0.00403 0.00366 0.00333 0.00292
4260116.59 | 0.00485 0.00487 0.00467 0.00442 0.00412 0.00387 0.00355 0.00323 0.00295
4260106.59 | 0.00531 0.00512 0.00471 0.00438 0.00410 0.00380 0.00351 0.00330 0.00311
4260096.59 | 0.00585 0.00546 0.00474 0.00438 0.00415 0.00387 0.00369 0.00355 0.00347
4260086.59 | 0.00654 0.00574 0.00474 0.00425 0.00406 0.00393 0.00384 0.00378 0.00382
4260076.59 | 0.00740 0.00632 0.00509 0.00458 0.00447 0.00435 0.00428 0.00427 0.00440
4260066.59 | 0.00881 0.00750 0.00596 0.00559 0.00546 0.00543 0.00533 0.00522 0.00529
4260056.59 | 0.01058 0.00901 0.00700 0.00658 0.00658 0.00653 0.00635 0.00626 0.00646

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♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
*** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOBDUST

INCLUDING SOURCE(S): L0005331 , L0005332 , L0005333 , L0005334 , L0005335 ,
L0005336 , L0005337 , L0005338 , L0005339 , L0005340 , L0005341 , L0005342 , L0005343 ,
L0005344 , L0005345 , L0005346 , L0005347 , L0005348 , L0005349 , L0005350 , L0005351 ,
L0005352 , L0005353 , L0005354 , L0005355 , L0005356 , L0005357 , L0005358 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

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Y-COORD | X-COORD (METERS)
(METERS)| 524232.26 524242.26 524252.26 524262.26 524272.26 524282.26
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Construction AERMOD_Unit Emissions

4260256.59	0.00153	0.00145	0.00138	0.00131	0.00124	0.00118
4260246.59	0.00159	0.00152	0.00144	0.00137	0.00129	0.00122
4260236.59	0.00167	0.00159	0.00151	0.00143	0.00135	0.00127
4260226.59	0.00177	0.00168	0.00159	0.00150	0.00142	0.00133
4260216.59	0.00188	0.00178	0.00168	0.00158	0.00149	0.00140
4260206.59	0.00199	0.00187	0.00177	0.00167	0.00157	0.00147
4260196.59	0.00208	0.00194	0.00185	0.00175	0.00164	0.00154
4260186.59	0.00215	0.00200	0.00191	0.00182	0.00171	0.00160
4260176.59	0.00220	0.00204	0.00196	0.00186	0.00177	0.00167
4260166.59	0.00227	0.00205	0.00193	0.00183	0.00178	0.00170
4260156.59	0.00231	0.00205	0.00188	0.00172	0.00172	0.00171
4260146.59	0.00237	0.00205	0.00182	0.00162	0.00166	0.00170
4260136.59	0.00246	0.00215	0.00192	0.00171	0.00176	0.00182
4260126.59	0.00256	0.00230	0.00210	0.00191	0.00197	0.00201
4260116.59	0.00266	0.00246	0.00233	0.00215	0.00221	0.00223
4260106.59	0.00293	0.00279	0.00269	0.00256	0.00258	0.00257
4260096.59	0.00335	0.00329	0.00326	0.00315	0.00314	0.00301
4260086.59	0.00389	0.00396	0.00399	0.00398	0.00389	0.00367
4260076.59	0.00458	0.00479	0.00493	0.00500	0.00492	0.00462
4260066.59	0.00556	0.00582	0.00598	0.00618	0.00628	0.00610
4260056.59	0.00673	0.00712	0.00740	0.00764	0.00802	0.00822

♀ *** AERMOD - VERSION 18081 *** ** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19

*** AERMET - VERSION 14134 *** ** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOBDUST

INCLUDING SOURCE(S): L0005331 , L0005332 , L0005333 , L0005334 , L0005335 ,
 L0005336 , L0005337 , L0005338 , L0005339 , L0005340 , L0005341 , L0005342 , L0005343 ,
 L0005344 , L0005345 , L0005346 , L0005347 , L0005348 , L0005349 , L0005350 , L0005351 ,
 L0005352 , L0005353 , L0005354 , L0005355 , L0005356 , L0005357 , L0005358 , ... ,

*** 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	0.00674	524203.43	4260005.01	0.00598
524204.65	4259997.73	0.00546	524204.40	4259988.28	0.00505
524189.13	4260004.28	0.00633	524189.37	4259993.85	0.00572
524190.83	4259982.70	0.00534	524246.78	4259946.49	0.00333
524255.34	4259929.66	0.00299	524250.49	4259937.65	0.00315
524232.52	4259935.94	0.00339	524220.54	4259937.94	0.00364
524212.55	4259949.92	0.00398	524206.28	4259957.62	0.00429
524199.43	4259957.05	0.00456	524188.31	4259954.48	0.00514
524196.86	4259946.49	0.00453	524203.71	4259947.63	0.00425
524199.43	4259934.80	0.00429	524206.56	4259925.10	0.00391
524213.12	4259917.68	0.00362	524241.93	4259920.25	0.00308
524215.97	4259907.70	0.00346	524221.11	4259892.30	0.00325
524238.79	4259898.86	0.00296	524238.79	4259907.98	0.00303
524237.37	4259884.59	0.00286	524214.83	4259881.17	0.00343
524203.14	4259873.47	0.00402	524198.29	4259867.19	0.00444
524232.80	4259867.19	0.00283	524233.09	4259857.50	0.00285
524235.66	4259852.36	0.00280	524239.65	4259845.51	0.00273
524243.93	4259834.68	0.00272	524250.49	4259823.84	0.00276
524243.64	4259822.12	0.00290	524232.80	4259816.13	0.00336
524225.10	4259826.40	0.00356	524218.26	4259836.67	0.00374
524210.55	4259846.94	0.00404	524202.00	4259857.50	0.00441
524265.77	4259728.17	0.00528	524273.47	4259713.63	0.00515
524276.89	4259698.51	0.00525	524260.92	4259693.94	0.00804
524251.79	4259711.06	0.00810	524250.65	4259723.04	0.00718
524265.20	4259620.63	0.00974	524284.88	4259588.39	0.00701
524305.71	4259554.73	0.00876	524315.12	4259565.00	0.00623
524303.99	4259604.08	0.00460	524638.04	4260127.68	0.00012
524645.94	4260114.25	0.00011	524647.12	4260105.17	0.00011
524662.52	4260077.53	0.00012	524692.14	4260053.84	0.00011
524752.55	4260050.68	0.00012	524338.94	4260404.55	0.00026
524441.43	4260403.88	0.00010	524538.99	4260369.97	0.00006

Construction AERMOD_Unit Emissions

524566.40	4260356.96	0.00006	524530.17	4260389.94	0.00006
524498.28	4260239.21	0.00020	524477.41	4260262.98	0.00020
524494.80	4260256.02	0.00018	524515.67	4260222.40	0.00020
524519.73	4260238.63	0.00018	524519.15	4260249.06	0.00016
524529.00	4260210.80	0.00020	524535.38	4260221.82	0.00018
524534.22	4260237.47	0.00017	524546.97	4260196.89	0.00021
524546.97	4260211.38	0.00018	524549.87	4260224.14	0.00017
524560.30	4260187.04	0.00021	524569.00	4260203.85	0.00018
524580.01	4260180.66	0.00018	524580.01	4260198.05	0.00017

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MOBDUST

INCLUDING SOURCE(S): L0005331 , L0005332 , L0005333 , L0005334 , L0005335 ,
 L0005336 , L0005337 , L0005338 , L0005339 , L0005340 , L0005341 , L0005342 , L0005343 ,
 L0005344 , L0005345 , L0005346 , L0005347 , L0005348 , L0005349 , L0005350 , L0005351 ,
 L0005352 , L0005353 , L0005354 , L0005355 , L0005356 , L0005357 , L0005358 , . . . ,

*** 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	0.00019	524598.57	4260182.98	0.00016
524596.25	4260169.64	0.00017	524290.77	4259394.44	0.00704
524300.87	4259318.37	0.00721	524313.23	4259256.84	0.00512
524355.37	4259274.55	0.00880	524363.66	4259261.55	0.00889
524374.42	4259248.10	0.00697	524317.94	4259218.97	0.00437
524384.51	4259227.93	0.00557	524333.18	4259184.00	0.00532
524398.63	4259201.26	0.00473	524358.73	4259346.49	0.00617
524368.37	4259314.89	0.00491	524387.42	4259291.81	0.00377

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ONEX ***

INCLUDING SOURCE(S): L0005462 , L0005463 , L0005464 , L0005465 , L0005466 ,
 L0005467 , L0005468 , L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 ,
 L0005475 , L0005476 , L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 ,
 L0005483 , L0005484 , L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD	X-COORD (METERS)								
(METERS)	524142.26	524152.26	524162.26	524172.26	524182.26	524192.26	524202.26	524212.26	524222.26
4260256.59	0.00156	0.00165	0.00167	0.00167	0.00164	0.00159	0.00153	0.00146	0.00139
4260246.59	0.00173	0.00176	0.00177	0.00176	0.00172	0.00167	0.00160	0.00153	0.00145
4260236.59	0.00184	0.00186	0.00187	0.00185	0.00181	0.00175	0.00168	0.00160	0.00152
4260226.59	0.00194	0.00196	0.00197	0.00195	0.00190	0.00184	0.00176	0.00168	0.00159
4260216.59	0.00205	0.00207	0.00208	0.00205	0.00201	0.00194	0.00185	0.00176	0.00167
4260206.59	0.00217	0.00219	0.00220	0.00217	0.00212	0.00204	0.00195	0.00185	0.00176
4260196.59	0.00228	0.00232	0.00233	0.00230	0.00224	0.00216	0.00206	0.00196	0.00189
4260186.59	0.00241	0.00246	0.00247	0.00244	0.00238	0.00229	0.00219	0.00211	0.00200
4260176.59	0.00257	0.00262	0.00263	0.00260	0.00253	0.00243	0.00236	0.00224	0.00210
4260166.59	0.00274	0.00280	0.00282	0.00278	0.00269	0.00260	0.00253	0.00239	0.00223
4260156.59	0.00294	0.00300	0.00302	0.00297	0.00288	0.00279	0.00270	0.00255	0.00237
4260146.59	0.00315	0.00324	0.00325	0.00319	0.00309	0.00301	0.00289	0.00274	0.00251
4260136.59	0.00339	0.00350	0.00353	0.00348	0.00337	0.00324	0.00308	0.00291	0.00265
4260126.59	0.00366	0.00376	0.00376	0.00367	0.00355	0.00342	0.00323	0.00302	0.00263
4260116.59	0.00395	0.00402	0.00394	0.00382	0.00364	0.00349	0.00329	0.00292	0.00265
4260106.59	0.00429	0.00430	0.00412	0.00394	0.00378	0.00358	0.00320	0.00301	0.00281

Construction AERMOD_Unit Emissions

4260096.59	0.00470	0.00466	0.00429	0.00408	0.00394	0.00358	0.00340	0.00325	0.00314
4260086.59	0.00522	0.00504	0.00442	0.00393	0.00378	0.00364	0.00355	0.00346	0.00349
4260076.59	0.00589	0.00566	0.00481	0.00429	0.00422	0.00412	0.00403	0.00400	0.00411
4260066.59	0.00684	0.00672	0.00582	0.00566	0.00563	0.00564	0.00553	0.00546	0.00533
4260056.59	0.00824	0.00819	0.00733	0.00722	0.00735	0.00739	0.00729	0.00717	0.00724

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ONEX ***
 INCLUDING SOURCE(S): L0005462 , L0005463 , L0005464 , L0005465 , L0005466 ,
 L0005467 , L0005468 , L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 ,
 L0005475 , L0005476 , L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 ,
 L0005483 , L0005484 , L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , . . . ,

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

** CONC OF DPM IN MICROGRAMS/M**3 **

Y-COORD	X-COORD (METERS)					
(METERS)	524232.26	524242.26	524252.26	524262.26	524272.26	524282.26

4260256.59	0.00132	0.00125	0.00119	0.00113	0.00107	0.00101
4260246.59	0.00138	0.00131	0.00124	0.00117	0.00111	0.00105
4260236.59	0.00144	0.00136	0.00129	0.00122	0.00115	0.00109
4260226.59	0.00151	0.00143	0.00135	0.00128	0.00120	0.00113
4260216.59	0.00159	0.00151	0.00143	0.00134	0.00126	0.00118
4260206.59	0.00169	0.00159	0.00150	0.00141	0.00132	0.00124
4260196.59	0.00177	0.00166	0.00157	0.00148	0.00139	0.00129
4260186.59	0.00186	0.00174	0.00165	0.00155	0.00145	0.00135
4260176.59	0.00194	0.00182	0.00173	0.00162	0.00152	0.00141
4260166.59	0.00204	0.00185	0.00174	0.00163	0.00158	0.00148
4260156.59	0.00208	0.00186	0.00170	0.00157	0.00155	0.00150
4260146.59	0.00214	0.00185	0.00164	0.00147	0.00151	0.00153
4260136.59	0.00221	0.00192	0.00172	0.00154	0.00160	0.00164
4260126.59	0.00229	0.00206	0.00189	0.00172	0.00179	0.00181
4260116.59	0.00238	0.00220	0.00209	0.00193	0.00200	0.00201
4260106.59	0.00262	0.00250	0.00241	0.00230	0.00233	0.00229
4260096.59	0.00302	0.00297	0.00294	0.00283	0.00281	0.00266
4260086.59	0.00354	0.00358	0.00360	0.00357	0.00344	0.00317
4260076.59	0.00425	0.00439	0.00446	0.00443	0.00426	0.00388
4260066.59	0.00550	0.00555	0.00550	0.00543	0.00526	0.00486
4260056.59	0.00726	0.00722	0.00709	0.00686	0.00661	0.00618

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ONEX ***
 INCLUDING SOURCE(S): L0005462 , L0005463 , L0005464 , L0005465 , L0005466 ,
 L0005467 , L0005468 , L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 ,
 L0005475 , L0005476 , L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 ,
 L0005483 , L0005484 , L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , . . . ,

*** 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	0.00419	524203.43	4260005.01	0.00396
524204.65	4259997.73	0.00377	524204.40	4259988.28	0.00362
524189.13	4260004.28	0.00436	524189.37	4259993.85	0.00415
524190.83	4259982.70	0.00398	524246.78	4259946.49	0.00257
524255.34	4259929.66	0.00237	524250.49	4259937.65	0.00246
524232.52	4259935.94	0.00270	524220.54	4259937.94	0.00291
524212.55	4259949.92	0.00314	524206.28	4259957.62	0.00334
524199.43	4259957.05	0.00357	524188.31	4259954.48	0.00405

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Construction AERMOD_Unit Emissions

524196.86	4259946.49	0.00363	524203.71	4259947.63	0.00339
524199.43	4259934.80	0.00349	524206.56	4259925.10	0.00320
524213.12	4259917.68	0.00297	524241.93	4259920.25	0.00249
524215.97	4259907.70	0.00286	524221.11	4259892.30	0.00272
524238.79	4259898.86	0.00245	524238.79	4259907.98	0.00249
524237.37	4259884.59	0.00240	524214.83	4259881.17	0.00289
524203.14	4259873.47	0.00339	524198.29	4259867.19	0.00376
524232.80	4259867.19	0.00242	524233.09	4259857.50	0.00245
524235.66	4259852.36	0.00241	524239.65	4259845.51	0.00237
524243.93	4259834.68	0.00237	524250.49	4259823.84	0.00239
524243.64	4259822.12	0.00252	524232.80	4259816.13	0.00291
524225.10	4259826.40	0.00307	524218.26	4259836.67	0.00321
524210.55	4259846.94	0.00345	524202.00	4259857.50	0.00374
524265.77	4259728.17	0.00477	524273.47	4259713.63	0.00470
524276.89	4259698.51	0.00484	524260.92	4259693.94	0.00735
524251.79	4259711.06	0.00762	524250.65	4259723.04	0.00671
524265.20	4259620.63	0.00985	524284.88	4259588.39	0.00619
524305.71	4259554.73	0.00853	524315.12	4259565.00	0.00573
524303.99	4259604.08	0.00396	524638.04	4260127.68	0.00012
524645.94	4260114.25	0.00011	524647.12	4260105.17	0.00011
524662.52	4260077.53	0.00012	524692.14	4260053.84	0.00011
524752.55	4260050.68	0.00011	524338.94	4260404.55	0.00024
524441.43	4260403.88	0.00010	524538.99	4260369.97	0.00006
524566.40	4260356.96	0.00006	524530.17	4260389.94	0.00006
524498.28	4260239.21	0.00019	524477.41	4260262.98	0.00019
524494.80	4260256.02	0.00018	524515.67	4260222.40	0.00019
524519.73	4260238.63	0.00017	524519.15	4260249.06	0.00016
524529.00	4260210.80	0.00019	524535.38	4260221.82	0.00017
524534.22	4260237.47	0.00016	524546.97	4260196.89	0.00019
524546.97	4260211.38	0.00017	524549.87	4260224.14	0.00016
524560.30	4260187.04	0.00019	524569.00	4260203.85	0.00016
524580.01	4260180.66	0.00017	524580.01	4260198.05	0.00016

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ONEX ***
 INCLUDING SOURCE(S): L0005462 , L0005463 , L0005464 , L0005465 , L0005466 ,
 L0005467 , L0005468 , L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 ,
 L0005475 , L0005476 , L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 ,
 L0005483 , L0005484 , L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , . . . ,

*** 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	0.00018	524598.57	4260182.98	0.00015
524596.25	4260169.64	0.00016	524290.77	4259394.44	0.00587
524300.87	4259318.37	0.00531	524313.23	4259256.84	0.00404
524355.37	4259274.55	0.00893	524363.66	4259261.55	0.00780
524374.42	4259248.10	0.00613	524317.94	4259218.97	0.00361
524384.51	4259227.93	0.00483	524333.18	4259184.00	0.00445
524398.63	4259201.26	0.00405	524358.73	4259346.49	0.00585
524368.37	4259314.89	0.00474	524387.42	4259291.81	0.00351

♀ *** AERMOD - VERSION 18081 *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** Annual Average with Unit Emissions *** 14:00:37

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*** 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 NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

Construction AERMOD_Unit Emissions

CONEX 1ST HIGHEST VALUE IS 215.87822 AT (524477.41, 4260262.98, 161.18, 275.92, 2.00) DC
 2ND HIGHEST VALUE IS 199.82548 AT (524282.26, 4260256.59, 146.50, 275.90, 2.00) GC UCART1
 3RD HIGHEST VALUE IS 198.77532 AT (524498.28, 4260239.21, 160.81, 275.92, 2.00) DC
 4TH HIGHEST VALUE IS 198.22314 AT (524282.26, 4260246.59, 146.20, 275.90, 2.00) GC UCART1
 5TH HIGHEST VALUE IS 195.89834 AT (524282.26, 4260236.59, 146.00, 275.90, 2.00) GC UCART1
 6TH HIGHEST VALUE IS 194.24840 AT (524494.80, 4260256.02, 161.69, 275.92, 2.00) DC
 7TH HIGHEST VALUE IS 193.62953 AT (524282.26, 4260226.59, 146.60, 275.90, 2.00) GC UCART1
 8TH HIGHEST VALUE IS 191.12986 AT (524282.26, 4260216.59, 147.20, 275.90, 2.00) GC UCART1
 9TH HIGHEST VALUE IS 188.56338 AT (524282.26, 4260206.59, 147.80, 275.90, 2.00) GC UCART1
 10TH HIGHEST VALUE IS 186.30579 AT (524282.26, 4260196.59, 148.70, 275.90, 2.00) GC UCART1

FDUST 1ST HIGHEST VALUE IS 323.79562 AT (524282.26, 4260146.59, 153.90, 275.90, 2.00) GC UCART1
 2ND HIGHEST VALUE IS 320.97250 AT (524282.26, 4260136.59, 154.20, 275.90, 2.00) GC UCART1
 3RD HIGHEST VALUE IS 317.95054 AT (524282.26, 4260126.59, 154.20, 275.90, 2.00) GC UCART1
 4TH HIGHEST VALUE IS 313.71071 AT (524282.26, 4260116.59, 154.30, 275.90, 2.00) GC UCART1
 5TH HIGHEST VALUE IS 312.64472 AT (524282.26, 4260156.59, 152.80, 275.90, 2.00) GC UCART1
 6TH HIGHEST VALUE IS 309.01872 AT (524282.26, 4260106.59, 154.20, 275.90, 2.00) GC UCART1
 7TH HIGHEST VALUE IS 302.78341 AT (524282.26, 4260096.59, 154.10, 275.90, 2.00) GC UCART1
 8TH HIGHEST VALUE IS 296.93165 AT (524282.26, 4260166.59, 151.70, 275.90, 2.00) GC UCART1
 9TH HIGHEST VALUE IS 294.60760 AT (524282.26, 4260086.59, 153.90, 275.90, 2.00) GC UCART1
 10TH HIGHEST VALUE IS 284.20794 AT (524282.26, 4260176.59, 150.60, 275.90, 2.00) GC UCART1

MOBDUST 1ST HIGHEST VALUE IS 0.01058 AT (524142.26, 4260056.59, 148.10, 275.90, 2.00) GC UCART1
 2ND HIGHEST VALUE IS 0.00974 AT (524265.20, 4259620.63, 130.24, 275.92, 2.00) DC
 3RD HIGHEST VALUE IS 0.00901 AT (524152.26, 4260056.59, 149.40, 275.90, 2.00) GC UCART1
 4TH HIGHEST VALUE IS 0.00889 AT (524363.66, 4259261.55, 128.85, 132.53, 2.00) DC
 5TH HIGHEST VALUE IS 0.00881 AT (524142.26, 4260066.59, 148.20, 275.90, 2.00) GC UCART1
 6TH HIGHEST VALUE IS 0.00880 AT (524355.37, 4259274.55, 129.93, 131.10, 2.00) DC
 7TH HIGHEST VALUE IS 0.00876 AT (524305.71, 4259554.73, 129.97, 275.92, 2.00) DC
 8TH HIGHEST VALUE IS 0.00822 AT (524282.26, 4260056.59, 153.10, 275.90, 2.00) GC UCART1
 9TH HIGHEST VALUE IS 0.00810 AT (524251.79, 4259711.06, 129.77, 275.92, 2.00) DC
 10TH HIGHEST VALUE IS 0.00804 AT (524260.92, 4259693.94, 129.19, 275.92, 2.00) DC

ONEX 1ST HIGHEST VALUE IS 0.00985 AT (524265.20, 4259620.63, 130.24, 275.92, 2.00) DC
 2ND HIGHEST VALUE IS 0.00893 AT (524355.37, 4259274.55, 129.93, 131.10, 2.00) DC
 3RD HIGHEST VALUE IS 0.00853 AT (524305.71, 4259554.73, 129.97, 275.92, 2.00) DC
 4TH HIGHEST VALUE IS 0.00824 AT (524142.26, 4260056.59, 148.10, 275.90, 2.00) GC UCART1
 5TH HIGHEST VALUE IS 0.00819 AT (524152.26, 4260056.59, 149.40, 275.90, 2.00) GC UCART1
 6TH HIGHEST VALUE IS 0.00780 AT (524363.66, 4259261.55, 128.85, 132.53, 2.00) DC
 7TH HIGHEST VALUE IS 0.00762 AT (524251.79, 4259711.06, 129.77, 275.92, 2.00) DC
 8TH HIGHEST VALUE IS 0.00739 AT (524192.26, 4260056.59, 151.00, 275.90, 2.00) GC UCART1
 9TH HIGHEST VALUE IS 0.00735 AT (524182.26, 4260056.59, 151.00, 275.90, 2.00) GC UCART1
 10TH HIGHEST VALUE IS 0.00735 AT (524260.92, 4259693.94, 129.19, 275.92, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

♀ *** AERMOD - VERSION 18081 *** *** Emerald Isle Condominium Project Construction DPM and PM2.5 *** 07/08/19
 *** AERMET - VERSION 14134 *** *** Annual Average with Unit Emissions *** 14:00:37

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*** 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 ***

A.2 - Santa Rosa Climate Action Plan New Development Checklist

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CLIMATE ACTION PLAN

CITY OF SANTA ROSA

Adopted June 5, 2012



APPENDIX E –
**NEW DEVELOPMENT
CHECKLIST**

APPENDIX E: CAP NEW DEVELOPMENT CHECKLIST

To ensure new development projects are compliant with the City’s Climate Action Plan, the following checklist has been developed. This checklist should be filled out for each new project, subject to discretionary review, to allow new development to find a less than significant impact for greenhouse gas emissions in the environmental review process.

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
1.1.1	Comply with CALGreen Tier 1 standards*				
1.1.3	After 2020, all new development will utilize zero net electricity*				
1.3.1	Install real-time energy monitors to track energy use*				
1.4.2	Comply with the City's tree preservation ordinance*				
1.4.3	Provide public & private trees in compliance with the Zoning Code*				
1.5	Install new sidewalks and paving with high solar reflectivity materials*				
2.1.3	Pre-wire and pre-plumb for solar thermal or PV systems				
3.1.2	Support implementation of station plans and corridor plans				
3.2.1	Provide on-site services such as ATMs or dry cleaning to site users				
3.2.2	Improve non-vehicular network to promote walking, biking				
3.2.3	Support mixed-use, higher-density development near services				
3.3.1	Provide affordable housing near transit				
3.5.1	Unbundle parking from property cost				
3.6.1	Install calming features to improve ped/bike experience				
4.1.1	Implement the Bicycle and Pedestrian Master Plan				
4.1.2	Install bicycle parking consistent with regulations*				
4.1.3	Provide bicycle safety training to residents, employees, motorists				
4.2.2	Provide safe spaces to wait for bus arrival				

#	Description	Compliance			
		Complies	Does Not Comply	N/A	See Discussion
4.3.2	Work with large employers to provide rideshare programs				
4.3.3	Consider expanding employee programs promoting transit use				
4.3.4	Provide awards for employee use of alternative commute options				
4.3.5	Encourage new employers of 50+ to provide subsidized transit passes*				
4.3.7	Provide space for additional park-and-ride lots				
4.5.1	Include facilities for employees that promote telecommuting				
5.1.2	Install electric vehicle charging equipment				
5.2.1	Provide alternative fuels at new refueling stations*				
6.1.3	Increase diversion of construction waste*				
7.1.1	Reduce potable water use for outdoor landscaping*				
7.1.3	Use water meters which track real-time water use*				
7.3.2	Meet on-site meter separation requirements in locations with current or future recycled water capabilities*				
8.1.3	Establish community gardens and urban farms				
9.1.2	Provide outdoor electrical outlets for charging lawn equipment				
9.1.3	Install low water use landscapes*				
9.2.1	Minimize construction equipment idling time to 5 minutes or less*				
9.2.2	Maintain construction equipment per manufacturer's specs*				
9.2.3	Limit GHG construction equipment emissions by using electrified equipment or alternative fuels*				

**To be in compliance with the CAP, all measures denoted with an asterisk are required in all new development projects unless otherwise specified. If a project cannot meet one or more of the mandatory requirements, substitutions may be made from other measures listed at the discretion of the Community Development Director.*

DISCUSSION (PLEASE LIST POLICY #)

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APPENDIX F – WORKS CITED

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APPENDIX F: WORKS CITED

- Bay Area Air Quality Management District (BAAQMD). 2010. California Environmental Quality Act Air Quality Guidelines. San Francisco: BAAQMD.
- California Air Resources Board, California Climate Action Registry, and ICLEI. 2008. Local Government Operations Protocol, Version 1.0. Sacramento: California Air Resources Board.
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