

**APPENDIX A**  
**Air Quality/Greenhouse Gas Data**

**Parenthetical CALEEMOD Assumptions  
For: Rialto Metrolink Affordable Housing Project  
Date: December 2015**

## **CONSTRUCTION**

### **Grading**

- 3,000 cubic yards of cut.
- 300 cubic yards of fill.
- 1 month.

#### **Equipment:**

Quantity	Type	Hours of Daily Operation
2	Excavators	6
2	Graders	8
1	Rollers	6
2	Rubber Tired Loaders	6
1	Scrapers	6
1	Tractors/Loaders/Backhoes	7
1	Trenchers	6

### **Building Construction**

- 12 months.

#### **Equipment:**

Quantity	Type	Hours of Daily Operation
2	Excavators	6
2	Graders	6
1	Rubber Tired Loaders	6
1	Scrapers	6
2	Tractors/Loaders/Backhoes	6
1	Trenchers	6

### **Paving**

- 1 month.

#### **Equipment:**

Quantity	Type	Hours of Daily Operation
2	Graders	8
2	Pavers	8
1	Paving Equipment	8
1	Rollers	8
1	Tractors/Loaders/Backhoes	7

## Architectural Coating

- 3 weeks.

### **Equipment:**

Quantity	Type	Hours of Daily Operation
1	Air Compressors	6

**Rialto Metrolink Affordable Housing Project**  
**San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

---

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	78.00	Dwelling Unit	4.88	78,000.00	223

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2018
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -  
 Land Use - Lot Acreage is 2.6 acres.  
 Construction Phase - Work days.  
 Off-road Equipment -  
 Off-road Equipment - Construction equipment.  
 Off-road Equipment - Construction equipment.  
 Off-road Equipment - Construction equipment.  
 Trips and VMT - Distance from site to haul/dump site and back.  
 Grading - Grading - 3,000 cy of cut and 300 cy of fill. 2,500 cy export.  
 Architectural Coating -  
 Vehicle Trips - Trip rate per Traffic Study.  
 Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Per AB 939.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	18.00	17.00
tblConstructionPhase	NumDays	230.00	264.00
tblConstructionPhase	NumDays	8.00	22.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	7/25/2017	1/23/2018
tblConstructionPhase	PhaseEndDate	4/4/2018	4/5/2018
tblConstructionPhase	PhaseEndDate	5/7/2018	6/30/2017
tblConstructionPhase	PhaseStartDate	7/1/2017	1/1/2018
tblConstructionPhase	PhaseStartDate	3/31/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	4/6/2018	6/1/2017
tblGrading	AcresOfGrading	38.50	2.60
tblGrading	MaterialExported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	25.00	40.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.1853	84.7915	54.3131	0.0869	1.4284	4.4242	5.8526	0.3729	4.0703	4.4432	0.0000	8,621.5397	8,621.5397	2.3516	0.0000	8,670.9240
2018	40.1795	43.5339	30.7340	0.0558	0.7992	2.1532	2.9524	0.2130	1.9930	2.2060	0.0000	5,390.6099	5,390.6099	1.3943	0.0000	5,419.8908

<b>Total</b>	<b>48.3648</b>	<b>128.3254</b>	<b>85.0471</b>	<b>0.1427</b>	<b>2.2276</b>	<b>6.5774</b>	<b>8.8050</b>	<b>0.5859</b>	<b>6.0633</b>	<b>6.6492</b>	<b>0.0000</b>	<b>14,012.1496</b>	<b>14,012.1496</b>	<b>3.7460</b>	<b>0.0000</b>	<b>14,090.8148</b>
--------------	----------------	-----------------	----------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	--------------------	--------------------	---------------	---------------	--------------------

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.1853	84.7915	54.3131	0.0869	1.0956	4.4242	5.5198	0.2912	4.0703	4.3615	0.0000	8,621.5397	8,621.5397	2.3516	0.0000	8,670.9240
2018	40.1795	43.5339	30.7340	0.0558	0.6204	2.1532	2.7736	0.1691	1.9930	2.1621	0.0000	5,390.6099	5,390.6099	1.3943	0.0000	5,419.8908
<b>Total</b>	<b>48.3648</b>	<b>128.3254</b>	<b>85.0471</b>	<b>0.1427</b>	<b>1.7159</b>	<b>6.5774</b>	<b>8.2934</b>	<b>0.4603</b>	<b>6.0633</b>	<b>6.5236</b>	<b>0.0000</b>	<b>14,012.1495</b>	<b>14,012.1495</b>	<b>3.7460</b>	<b>0.0000</b>	<b>14,090.8147</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>22.97</b>	<b>0.00</b>	<b>5.81</b>	<b>21.44</b>	<b>0.00</b>	<b>1.89</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	22.3501	0.5938	45.6867	0.0627		5.9937	5.9937		5.9927	5.9927	730.6196	1,415.5871	2,146.2067	2.1903	0.0496	2,207.5764
Energy	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
Mobile	1.9132	6.4833	21.9405	0.0578	4.0484	0.0904	4.1388	1.0813	0.0832	1.1645		4,801.4779	4,801.4779	0.1748		4,805.1496
<b>Total</b>	<b>24.2950</b>	<b>7.3473</b>	<b>67.7422</b>	<b>0.1222</b>	<b>4.0484</b>	<b>6.1059</b>	<b>10.1543</b>	<b>1.0813</b>	<b>6.0978</b>	<b>7.1790</b>	<b>730.6196</b>	<b>6,562.0551</b>	<b>7,292.6747</b>	<b>2.3718</b>	<b>0.0559</b>	<b>7,359.8156</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0476	0.0752	6.4880	3.4000e-004		0.1295	0.1295		0.1285	0.1285	0.0000	1,498.1753	1,498.1753	0.0400	0.0273	1,507.4636
Energy	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
Mobile	1.7749	5.2537	18.5486	0.0454	3.1582	0.0716	3.2297	0.8435	0.0659	0.9094		3,772.7184	3,772.7184	0.1397		3,775.6514
<b>Total</b>	<b>3.8541</b>	<b>5.5992</b>	<b>25.1516</b>	<b>0.0475</b>	<b>3.1582</b>	<b>0.2229</b>	<b>3.3811</b>	<b>0.8435</b>	<b>0.2163</b>	<b>1.0598</b>	<b>0.0000</b>	<b>5,615.8838</b>	<b>5,615.8838</b>	<b>0.1863</b>	<b>0.0336</b>	<b>5,630.2046</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>84.14</b>	<b>23.79</b>	<b>62.87</b>	<b>61.15</b>	<b>21.99</b>	<b>96.35</b>	<b>66.70</b>	<b>21.99</b>	<b>96.45</b>	<b>85.24</b>	<b>100.00</b>	<b>14.42</b>	<b>22.99</b>	<b>92.15</b>	<b>39.96</b>	<b>23.50</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2017	3/30/2017	5	22	
2	Building Construction	Building Construction	4/1/2017	4/5/2018	5	264	
3	Paving	Paving	6/1/2017	6/30/2017	5	22	
4	Architectural Coating	Architectural Coating	1/1/2018	1/23/2018	5	17	

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

**Acres of Grading (Grading Phase): 2.6**

**Acres of Paving: 0**

**Residential Indoor: 157,950; Residential Outdoor: 52,650; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating**



## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	8.00	174	0.41
Grading	Rollers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	255	0.40
Grading	Rubber Tired Loaders	2	6.00	199	0.36
Grading	Scrapers	1	6.00	361	0.48
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Trenchers	1	6.00	80	0.50
Building Construction	Cranes	0	8.00	226	0.29
Building Construction	Excavators	2	6.00	162	0.38
Building Construction	Forklifts	0	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Graders	2	6.00	174	0.41
Building Construction	Rubber Tired Loaders	2	6.00	199	0.36
Building Construction	Scrapers	1	6.00	361	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Graders	2	8.00	174	0.41
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Rubber Tired Dozers	0	8.00	255	0.40
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	40.00	0.00	313.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	56.00	8.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1382	0.0000	0.1382	0.0155	0.0000	0.0155			0.0000			0.0000
Off-Road	5.0425	54.9314	30.8299	0.0480		2.8125	2.8125		2.5875	2.5875		4,914.7821	4,914.7821	1.5059		4,946.4056
<b>Total</b>	<b>5.0425</b>	<b>54.9314</b>	<b>30.8299</b>	<b>0.0480</b>	<b>0.1382</b>	<b>2.8125</b>	<b>2.9507</b>	<b>0.0155</b>	<b>2.5875</b>	<b>2.6030</b>		<b>4,914.7821</b>	<b>4,914.7821</b>	<b>1.5059</b>		<b>4,946.4056</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1698	2.0088	2.4577	5.3300e-003	0.1241	0.0284	0.1525	0.0340	0.0261	0.0601		527.3112	527.3112	4.1700e-003		527.3987
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1431	0.2001	2.1103	5.1100e-003	0.4471	3.1900e-003	0.4503	0.1186	2.9500e-003	0.1215		408.7460	408.7460	0.0213		409.1928
<b>Total</b>	<b>0.3129</b>	<b>2.2089</b>	<b>4.5680</b>	<b>0.0104</b>	<b>0.5712</b>	<b>0.0316</b>	<b>0.6028</b>	<b>0.1526</b>	<b>0.0291</b>	<b>0.1816</b>		<b>936.0572</b>	<b>936.0572</b>	<b>0.0255</b>		<b>936.5915</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0512	0.0000	0.0512	5.7300e-003	0.0000	5.7300e-003			0.0000			0.0000
Off-Road	5.0425	54.9314	30.8299	0.0480		2.8125	2.8125		2.5875	2.5875	0.0000	4,914.7821	4,914.7821	1.5059		4,946.4056
<b>Total</b>	<b>5.0425</b>	<b>54.9314</b>	<b>30.8299</b>	<b>0.0480</b>	<b>0.0512</b>	<b>2.8125</b>	<b>2.8637</b>	<b>5.7300e-003</b>	<b>2.5875</b>	<b>2.5932</b>	<b>0.0000</b>	<b>4,914.7821</b>	<b>4,914.7821</b>	<b>1.5059</b>		<b>4,946.4056</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1698	2.0088	2.4577	5.3300e-003	0.0996	0.0284	0.1280	0.0280	0.0261	0.0541		527.3112	527.3112	4.1700e-003		527.3987
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.1431	0.2001	2.1103	5.1100e-003	0.3460	3.1900e-003	0.3492	0.0938	2.9500e-003	0.0967		408.7460	408.7460	0.0213		409.1928
<b>Total</b>	<b>0.3129</b>	<b>2.2089</b>	<b>4.5680</b>	<b>0.0104</b>	<b>0.4457</b>	<b>0.0316</b>	<b>0.4772</b>	<b>0.1218</b>	<b>0.0291</b>	<b>0.1508</b>		<b>936.0572</b>	<b>936.0572</b>	<b>0.0255</b>		<b>936.5915</b>

### 3.3 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2934	47.5542	26.6184	0.0426		2.3554	2.3554		2.1670	2.1670		4,355.0754	4,355.0754	1.3344		4,383.0975
<b>Total</b>	<b>4.2934</b>	<b>47.5542</b>	<b>26.6184</b>	<b>0.0426</b>		<b>2.3554</b>	<b>2.3554</b>		<b>2.1670</b>	<b>2.1670</b>		<b>4,355.0754</b>	<b>4,355.0754</b>	<b>1.3344</b>		<b>4,383.0975</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0666	0.6520	0.8707	1.7200e-003	0.0503	0.0104	0.0607	0.0144	9.5800e-003	0.0239		170.1202	170.1202	1.2500e-003		170.1465
Worker	0.2004	0.2802	2.9544	7.1600e-003	0.6260	4.4700e-003	0.6304	0.1660	4.1300e-003	0.1701		572.2444	572.2444	0.0298		572.8699
<b>Total</b>	<b>0.2669</b>	<b>0.9322</b>	<b>3.8251</b>	<b>8.8800e-003</b>	<b>0.6762</b>	<b>0.0149</b>	<b>0.6911</b>	<b>0.1804</b>	<b>0.0137</b>	<b>0.1941</b>		<b>742.3647</b>	<b>742.3647</b>	<b>0.0310</b>		<b>743.0165</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2934	47.5542	26.6184	0.0426		2.3554	2.3554		2.1670	2.1670	0.0000	4,355.0754	4,355.0754	1.3344		4,383.0975
<b>Total</b>	<b>4.2934</b>	<b>47.5542</b>	<b>26.6184</b>	<b>0.0426</b>		<b>2.3554</b>	<b>2.3554</b>		<b>2.1670</b>	<b>2.1670</b>	<b>0.0000</b>	<b>4,355.0754</b>	<b>4,355.0754</b>	<b>1.3344</b>		<b>4,383.0975</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0666	0.6520	0.8707	1.7200e-003	0.0408	0.0104	0.0512	0.0120	9.5800e-003	0.0216		170.1202	170.1202	1.2500e-003		170.1465
Worker	0.2004	0.2802	2.9544	7.1600e-003	0.4845	4.4700e-003	0.4889	0.1313	4.1300e-003	0.1354		572.2444	572.2444	0.0298		572.8699
<b>Total</b>	<b>0.2669</b>	<b>0.9322</b>	<b>3.8251</b>	<b>8.8800e-003</b>	<b>0.5252</b>	<b>0.0149</b>	<b>0.5401</b>	<b>0.1433</b>	<b>0.0137</b>	<b>0.1570</b>		<b>742.3647</b>	<b>742.3647</b>	<b>0.0310</b>		<b>743.0165</b>

### 3.3 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7188	40.6283	24.8654	0.0426		1.9876	1.9876		1.8286	1.8286		4,283.2448	4,283.2448	1.3334		4,311.2469

<b>Total</b>	<b>3.7188</b>	<b>40.6283</b>	<b>24.8654</b>	<b>0.0426</b>		<b>1.9876</b>	<b>1.9876</b>		<b>1.8286</b>	<b>1.8286</b>		<b>4,283.2448</b>	<b>4,283.2448</b>	<b>1.3334</b>		<b>4,311.2469</b>
--------------	---------------	----------------	----------------	---------------	--	---------------	---------------	--	---------------	---------------	--	-------------------	-------------------	---------------	--	-------------------

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0615	0.5975	0.8293	1.7200e-003	0.0503	9.8000e-003	0.0601	0.0144	9.0100e-003	0.0234		167.2056	167.2056	1.2400e-003		167.2317
Worker	0.1783	0.2527	2.6621	7.1600e-003	0.6260	4.3700e-003	0.6303	0.1660	4.0400e-003	0.1700		550.5644	550.5644	0.0275		551.1420
<b>Total</b>	<b>0.2399</b>	<b>0.8502</b>	<b>3.4914</b>	<b>8.8800e-003</b>	<b>0.6762</b>	<b>0.0142</b>	<b>0.6904</b>	<b>0.1804</b>	<b>0.0131</b>	<b>0.1934</b>		<b>717.7700</b>	<b>717.7700</b>	<b>0.0288</b>		<b>718.3737</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7188	40.6283	24.8654	0.0426		1.9876	1.9876		1.8286	1.8286	0.0000	4,283.2448	4,283.2448	1.3334		4,311.2469
<b>Total</b>	<b>3.7188</b>	<b>40.6283</b>	<b>24.8654</b>	<b>0.0426</b>		<b>1.9876</b>	<b>1.9876</b>		<b>1.8286</b>	<b>1.8286</b>	<b>0.0000</b>	<b>4,283.2448</b>	<b>4,283.2448</b>	<b>1.3334</b>		<b>4,311.2469</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0615	0.5975	0.8293	1.7200e-003	0.0408	9.8000e-003	0.0506	0.0120	9.0100e-003	0.0210		167.2056	167.2056	1.2400e-003		167.2317
Worker	0.1783	0.2527	2.6621	7.1600e-003	0.4845	4.3700e-003	0.4888	0.1313	4.0400e-003	0.1353		550.5644	550.5644	0.0275		551.1420
<b>Total</b>	<b>0.2399</b>	<b>0.8502</b>	<b>3.4914</b>	<b>8.8800e-003</b>	<b>0.5252</b>	<b>0.0142</b>	<b>0.5394</b>	<b>0.1433</b>	<b>0.0131</b>	<b>0.1564</b>		<b>717.7700</b>	<b>717.7700</b>	<b>0.0288</b>		<b>718.3737</b>

### 3.4 Paving - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4962	36.1250	21.9703	0.0308		2.0510	2.0510		1.8869	1.8869		3,156.2282	3,156.2282	0.9671		3,176.5365
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.4962</b>	<b>36.1250</b>	<b>21.9703</b>	<b>0.0308</b>		<b>2.0510</b>	<b>2.0510</b>		<b>1.8869</b>	<b>1.8869</b>		<b>3,156.2282</b>	<b>3,156.2282</b>	<b>0.9671</b>		<b>3,176.5365</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1288	0.1801	1.8993	4.6000e-003	0.7522	2.8800e-003	0.7551	0.1926	2.6500e-003	0.1952		367.8714	367.8714	0.0192		368.2735
<b>Total</b>	<b>0.1288</b>	<b>0.1801</b>	<b>1.8993</b>	<b>4.6000e-003</b>	<b>0.7522</b>	<b>2.8800e-003</b>	<b>0.7551</b>	<b>0.1926</b>	<b>2.6500e-003</b>	<b>0.1952</b>		<b>367.8714</b>	<b>367.8714</b>	<b>0.0192</b>		<b>368.2735</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4962	36.1250	21.9703	0.0308		2.0510	2.0510		1.8869	1.8869	0.0000	3,156.2282	3,156.2282	0.9671		3,176.5365
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.4962</b>	<b>36.1250</b>	<b>21.9703</b>	<b>0.0308</b>		<b>2.0510</b>	<b>2.0510</b>		<b>1.8869</b>	<b>1.8869</b>	<b>0.0000</b>	<b>3,156.2282</b>	<b>3,156.2282</b>	<b>0.9671</b>		<b>3,176.5365</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1288	0.1801	1.8993	4.6000e-003	0.5703	2.8800e-003	0.5732	0.1479	2.6500e-003	0.1506		367.8714	367.8714	0.0192		368.2735
<b>Total</b>	<b>0.1288</b>	<b>0.1801</b>	<b>1.8993</b>	<b>4.6000e-003</b>	<b>0.5703</b>	<b>2.8800e-003</b>	<b>0.5732</b>	<b>0.1479</b>	<b>2.6500e-003</b>	<b>0.1506</b>		<b>367.8714</b>	<b>367.8714</b>	<b>0.0192</b>		<b>368.2735</b>

**3.5 Architectural Coating - 2018**

**Unmitigated Construction On-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.8872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>36.1858</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0496	0.5229	1.4100e-003	0.1230	8.6000e-004	0.1238	0.0326	7.9000e-004	0.0334		108.1466	108.1466	5.4000e-003		108.2600
<b>Total</b>	<b>0.0350</b>	<b>0.0496</b>	<b>0.5229</b>	<b>1.4100e-003</b>	<b>0.1230</b>	<b>8.6000e-004</b>	<b>0.1238</b>	<b>0.0326</b>	<b>7.9000e-004</b>	<b>0.0334</b>		<b>108.1466</b>	<b>108.1466</b>	<b>5.4000e-003</b>		<b>108.2600</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.8872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>36.1858</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0350	0.0496	0.5229	1.4100e-003	0.0952	8.6000e-004	0.0960	0.0258	7.9000e-004	0.0266		108.1466	108.1466	5.4000e-003		108.2600
<b>Total</b>	<b>0.0350</b>	<b>0.0496</b>	<b>0.5229</b>	<b>1.4100e-003</b>	<b>0.0952</b>	<b>8.6000e-004</b>	<b>0.0960</b>	<b>0.0258</b>	<b>7.9000e-004</b>	<b>0.0266</b>		<b>108.1466</b>	<b>108.1466</b>	<b>5.4000e-003</b>		<b>108.2600</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7749	5.2537	18.5486	0.0454	3.1582	0.0716	3.2297	0.8435	0.0659	0.9094		3,772.7184	3,772.7184	0.1397		3,775.6514

Unmitigated	1.9132	6.4833	21.9405	0.0578	4.0484	0.0904	4.1388	1.0813	0.0832	1.1645		4,801.4779	4,801.4779	0.1748		4,805.1496
-------------	--------	--------	---------	--------	--------	--------	--------	--------	--------	--------	--	------------	------------	--------	--	------------

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	514.02	558.48	473.46	1,758,388	1,371,708
Total	514.02	558.48	473.46	1,758,388	1,371,708

## 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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470490	0.065594	0.173154	0.156076	0.056237	0.009050	0.016623	0.041711	0.001119	0.001337	0.004965	0.000700	0.002944

## 5.0 Energy Detail

### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
	lb/day										lb/day						
NaturalGas Mitigated	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219			344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
NaturalGas Unmitigated	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219			344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896

## 5.2 Energy by Land Use - Natural Gas

### Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2932.42	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
<b>Total</b>		<b>0.0316</b>	<b>0.2702</b>	<b>0.1150</b>	<b>1.7200e-003</b>		<b>0.0219</b>	<b>0.0219</b>		<b>0.0219</b>	<b>0.0219</b>		<b>344.9900</b>	<b>344.9900</b>	<b>6.6100e-003</b>	<b>6.3200e-003</b>	<b>347.0896</b>

### Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.93242	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
<b>Total</b>		<b>0.0316</b>	<b>0.2702</b>	<b>0.1150</b>	<b>1.7200e-003</b>		<b>0.0219</b>	<b>0.0219</b>		<b>0.0219</b>	<b>0.0219</b>		<b>344.9900</b>	<b>344.9900</b>	<b>6.6100e-003</b>	<b>6.3200e-003</b>	<b>347.0896</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0476	0.0752	6.4880	3.4000e-004		0.1295	0.1295		0.1285	0.1285	0.0000	1,498.1753	1,498.1753	0.0400	0.0273	1,507.4636
Unmitigated	22.3501	0.5938	45.6867	0.0627		5.9937	5.9937		5.9927	5.9927	730.6196	1,415.5871	2,146.2067	2.1903	0.0496	2,207.5764

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	20.4388	0.5186	39.2061	0.0624		5.9583	5.9583		5.9574	5.9574	730.6196	1,404.0000	2,134.6196	2.1789	0.0496	2,195.7481
Landscaping	0.1998	0.0752	6.4806	3.4000e-004		0.0354	0.0354		0.0354	0.0354		11.5871	11.5871	0.0115		11.8282
<b>Total</b>	<b>22.3501</b>	<b>0.5938</b>	<b>45.6867</b>	<b>0.0627</b>		<b>5.9937</b>	<b>5.9937</b>		<b>5.9927</b>	<b>5.9927</b>	<b>730.6196</b>	<b>1,415.5871</b>	<b>2,146.2067</b>	<b>2.1903</b>	<b>0.0496</b>	<b>2,207.5764</b>

### Mitigated

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

SubCategory	lb/day								lb/day							
Architectural Coating	0.1672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1363	1.0000e-005	7.4300e-003	0.0000		0.0942	0.0942		0.0932	0.0932	0.0000	1,486.5882	1,486.5882	0.0285	0.0273	1,495.6354
Landscaping	0.1998	0.0752	6.4806	3.4000e-004		0.0354	0.0354		0.0354	0.0354		11.5871	11.5871	0.0115		11.8282
<b>Total</b>	<b>2.0476</b>	<b>0.0752</b>	<b>6.4880</b>	<b>3.4000e-004</b>		<b>0.1295</b>	<b>0.1295</b>		<b>0.1285</b>	<b>0.1285</b>	<b>0.0000</b>	<b>1,498.1753</b>	<b>1,498.1753</b>	<b>0.0400</b>	<b>0.0273</b>	<b>1,507.4636</b>

## 7.0 Water Detail

---

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

---

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

---

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

## 10.0 Vegetation

---

**Rialto Metrolink Affordable Housing Project  
San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

---

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	78.00	Dwelling Unit	4.88	78,000.00	223

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2018
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

- Project Characteristics -
- Land Use - Lot Acreage is 2.6 acres.
- Construction Phase - Work days.
- Off-road Equipment -
- Off-road Equipment - Construction equipment.
- Off-road Equipment - Construction equipment.
- Off-road Equipment - Construction equipment.
- Trips and VMT - Distance from site to haul/dump site and back.
- Grading - Grading - 3,000 cy of cut and 300 cy of fill. 2,500 cy export.
- Architectural Coating -
- Vehicle Trips - Trip rate per Traffic Study.
- Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Per AB 939.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	18.00	17.00
tblConstructionPhase	NumDays	230.00	264.00
tblConstructionPhase	NumDays	8.00	22.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	7/25/2017	1/23/2018
tblConstructionPhase	PhaseEndDate	4/4/2018	4/5/2018
tblConstructionPhase	PhaseEndDate	5/7/2018	6/30/2017
tblConstructionPhase	PhaseStartDate	7/1/2017	1/1/2018
tblConstructionPhase	PhaseStartDate	3/31/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	4/6/2018	6/1/2017
tblGrading	AcresOfGrading	38.50	2.60
tblGrading	MaterialExported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00



tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	25.00	40.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5423	5.7582	3.6353	6.0600e-003	0.0805	0.2850	0.3655	0.0212	0.2622	0.2834	0.0000	545.4154	545.4154	0.1459	0.0000	548.4791
2018	0.4441	1.4492	1.0027	1.8200e-003	0.0239	0.0704	0.0943	6.3900e-003	0.0648	0.0712	0.0000	159.8310	159.8310	0.0429	0.0000	160.7315

<b>Total</b>	<b>0.9864</b>	<b>7.2074</b>	<b>4.6380</b>	<b>7.8800e-003</b>	<b>0.1044</b>	<b>0.3553</b>	<b>0.4597</b>	<b>0.0276</b>	<b>0.3270</b>	<b>0.3546</b>	<b>0.0000</b>	<b>705.2464</b>	<b>705.2464</b>	<b>0.1888</b>	<b>0.0000</b>	<b>709.2106</b>
--------------	---------------	---------------	---------------	--------------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	-----------------	-----------------	---------------	---------------	-----------------

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5423	5.7582	3.6353	6.0600e-003	0.0618	0.2850	0.3468	0.0167	0.2622	0.2789	0.0000	545.4148	545.4148	0.1459	0.0000	548.4786
2018	0.4441	1.4492	1.0027	1.8200e-003	0.0186	0.0704	0.0889	5.0800e-003	0.0648	0.0699	0.0000	159.8308	159.8308	0.0429	0.0000	160.7313
<b>Total</b>	<b>0.9864</b>	<b>7.2074</b>	<b>4.6380</b>	<b>7.8800e-003</b>	<b>0.0804</b>	<b>0.3553</b>	<b>0.4357</b>	<b>0.0218</b>	<b>0.3270</b>	<b>0.3488</b>	<b>0.0000</b>	<b>705.2456</b>	<b>705.2456</b>	<b>0.1888</b>	<b>0.0000</b>	<b>709.2099</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>22.98</b>	<b>0.00</b>	<b>5.22</b>	<b>20.93</b>	<b>0.00</b>	<b>1.63</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	0.5928	0.0159	1.3002	8.2000e-004		0.0789	0.0789		0.0789	0.0789	8.2851	17.2350	25.5201	0.0260	5.6000e-004	26.2407
Energy	5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	148.1381	148.1381	5.2800e-003	1.9100e-003	148.8419
Mobile	0.3093	1.1103	3.7911	9.8000e-003	0.6662	0.0151	0.6813	0.1782	0.0139	0.1921	0.0000	737.8911	737.8911	0.0266	0.0000	738.4486
Waste						0.0000	0.0000		0.0000	0.0000	7.2833	0.0000	7.2833	0.4304	0.0000	16.3224
Water						0.0000	0.0000		0.0000	0.0000	1.6123	29.1226	30.7349	0.1669	4.1900e-003	35.5386

Total	0.9079	1.1755	5.1123	0.0109	0.6662	0.0980	0.7641	0.1782	0.0968	0.2750	17.1807	932.3868	949.5675	0.6552	6.6600e-003	965.3921
-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	---------	----------	----------	--------	-------------	----------

### 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	0.3390	9.4000e-003	0.8102	4.0000e-005		5.6000e-003	5.6000e-003		5.5900e-003	5.5900e-003	0.0000	18.1716	18.1716	1.6300e-003	3.1000e-004	18.3015
Energy	5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	148.1381	148.1381	5.2800e-003	1.9100e-003	148.8419
Mobile	0.2858	0.8997	3.2027	7.7000e-003	0.5197	0.0120	0.5316	0.1390	0.0110	0.1500	0.0000	579.8582	579.8582	0.0212	0.0000	580.3035
Waste						0.0000	0.0000		0.0000	0.0000	3.6417	0.0000	3.6417	0.2152	0.0000	8.1612
Water						0.0000	0.0000		0.0000	0.0000	1.2898	24.7140	26.0038	0.1336	3.3600e-003	29.8502
<b>Total</b>	<b>0.6306</b>	<b>0.9585</b>	<b>4.0339</b>	<b>8.0500e-003</b>	<b>0.5197</b>	<b>0.0215</b>	<b>0.5412</b>	<b>0.1390</b>	<b>0.0206</b>	<b>0.1596</b>	<b>4.9315</b>	<b>770.8818</b>	<b>775.8133</b>	<b>0.3769</b>	<b>5.5800e-003</b>	<b>785.4583</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>30.54</b>	<b>18.47</b>	<b>21.09</b>	<b>26.35</b>	<b>21.99</b>	<b>78.02</b>	<b>29.18</b>	<b>21.99</b>	<b>78.73</b>	<b>41.96</b>	<b>71.30</b>	<b>17.32</b>	<b>18.30</b>	<b>42.47</b>	<b>16.22</b>	<b>18.64</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2017	3/30/2017	5	22	
2	Building Construction	Building Construction	4/1/2017	4/5/2018	5	264	
3	Paving	Paving	6/1/2017	6/30/2017	5	22	
4	Architectural Coating	Architectural Coating	1/1/2018	1/23/2018	5	17	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.6

Acres of Paving: 0

Residential Indoor: 157,950; Residential Outdoor: 52,650; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	8.00	174	0.41
Grading	Rollers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	255	0.40
Grading	Rubber Tired Loaders	2	6.00	199	0.36
Grading	Scrapers	1	6.00	361	0.48
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Trenchers	1	6.00	80	0.50
Building Construction	Cranes	0	8.00	226	0.29
Building Construction	Excavators	2	6.00	162	0.38
Building Construction	Forklifts	0	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Graders	2	6.00	174	0.41
Building Construction	Rubber Tired Loaders	2	6.00	199	0.36
Building Construction	Scrapers	1	6.00	361	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Graders	2	8.00	174	0.41
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Rubber Tired Dozers	0	8.00	255	0.40

Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	40.00	0.00	313.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	56.00	8.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5200e-003	0.0000	1.5200e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0555	0.6042	0.3391	5.3000e-004		0.0309	0.0309		0.0285	0.0285	0.0000	49.0448	49.0448	0.0150	0.0000	49.3603
<b>Total</b>	<b>0.0555</b>	<b>0.6042</b>	<b>0.3391</b>	<b>5.3000e-004</b>	<b>1.5200e-003</b>	<b>0.0309</b>	<b>0.0325</b>	<b>1.7000e-004</b>	<b>0.0285</b>	<b>0.0286</b>	<b>0.0000</b>	<b>49.0448</b>	<b>49.0448</b>	<b>0.0150</b>	<b>0.0000</b>	<b>49.3603</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8600e-003	0.0225	0.0278	6.0000e-005	1.3400e-003	3.1000e-004	1.6500e-003	3.7000e-004	2.9000e-004	6.5000e-004	0.0000	5.2764	5.2764	4.0000e-005	0.0000	5.2772
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	2.2900e-003	0.0241	6.0000e-005	4.8200e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3100e-003	0.0000	4.1420	4.1420	2.1000e-004	0.0000	4.1465
<b>Total</b>	<b>3.3600e-003</b>	<b>0.0248</b>	<b>0.0518</b>	<b>1.2000e-004</b>	<b>6.1600e-003</b>	<b>3.5000e-004</b>	<b>6.5100e-003</b>	<b>1.6500e-003</b>	<b>3.2000e-004</b>	<b>1.9600e-003</b>	<b>0.0000</b>	<b>9.4184</b>	<b>9.4184</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>9.4237</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.6000e-004	0.0000	5.6000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0555	0.6042	0.3391	5.3000e-004		0.0309	0.0309		0.0285	0.0285	0.0000	49.0447	49.0447	0.0150	0.0000	49.3603
<b>Total</b>	<b>0.0555</b>	<b>0.6042</b>	<b>0.3391</b>	<b>5.3000e-004</b>	<b>5.6000e-004</b>	<b>0.0309</b>	<b>0.0315</b>	<b>6.0000e-005</b>	<b>0.0285</b>	<b>0.0285</b>	<b>0.0000</b>	<b>49.0447</b>	<b>49.0447</b>	<b>0.0150</b>	<b>0.0000</b>	<b>49.3603</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8600e-003	0.0225	0.0278	6.0000e-005	1.0800e-003	3.1000e-004	1.3900e-003	3.0000e-004	2.9000e-004	5.9000e-004	0.0000	5.2764	5.2764	4.0000e-005	0.0000	5.2772
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-003	2.2900e-003	0.0241	6.0000e-005	3.7400e-003	4.0000e-005	3.7700e-003	1.0100e-003	3.0000e-005	1.0500e-003	0.0000	4.1420	4.1420	2.1000e-004	0.0000	4.1465
<b>Total</b>	<b>3.3600e-003</b>	<b>0.0248</b>	<b>0.0518</b>	<b>1.2000e-004</b>	<b>4.8200e-003</b>	<b>3.5000e-004</b>	<b>5.1600e-003</b>	<b>1.3100e-003</b>	<b>3.2000e-004</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>9.4184</b>	<b>9.4184</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>9.4237</b>

### 3.3 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4186	4.6365	2.5953	4.1500e-003		0.2297	0.2297		0.2113	0.2113	0.0000	385.2087	385.2087	0.1180	0.0000	387.6872
<b>Total</b>	<b>0.4186</b>	<b>4.6365</b>	<b>2.5953</b>	<b>4.1500e-003</b>		<b>0.2297</b>	<b>0.2297</b>		<b>0.2113</b>	<b>0.2113</b>	<b>0.0000</b>	<b>385.2087</b>	<b>385.2087</b>	<b>0.1180</b>	<b>0.0000</b>	<b>387.6872</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.4500e-003	0.0648	0.0869	1.7000e-004	4.8200e-003	1.0100e-003	5.8300e-003	1.3800e-003	9.3000e-004	2.3100e-003	0.0000	15.1212	15.1212	1.1000e-004	0.0000	15.1235
Worker	0.0186	0.0284	0.2988	7.1000e-004	0.0599	4.4000e-004	0.0603	0.0159	4.0000e-004	0.0163	0.0000	51.3985	51.3985	2.6300e-003	0.0000	51.4538

<b>Total</b>	<b>0.0250</b>	<b>0.0932</b>	<b>0.3857</b>	<b>8.8000e-004</b>	<b>0.0647</b>	<b>1.4500e-003</b>	<b>0.0661</b>	<b>0.0173</b>	<b>1.3300e-003</b>	<b>0.0186</b>	<b>0.0000</b>	<b>66.5197</b>	<b>66.5197</b>	<b>2.7400e-003</b>	<b>0.0000</b>	<b>66.5773</b>
--------------	---------------	---------------	---------------	--------------------	---------------	--------------------	---------------	---------------	--------------------	---------------	---------------	----------------	----------------	--------------------	---------------	----------------

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4186	4.6365	2.5953	4.1500e-003		0.2297	0.2297		0.2113	0.2113	0.0000	385.2082	385.2082	0.1180	0.0000	387.6868
<b>Total</b>	<b>0.4186</b>	<b>4.6365</b>	<b>2.5953</b>	<b>4.1500e-003</b>		<b>0.2297</b>	<b>0.2297</b>		<b>0.2113</b>	<b>0.2113</b>	<b>0.0000</b>	<b>385.2082</b>	<b>385.2082</b>	<b>0.1180</b>	<b>0.0000</b>	<b>387.6868</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.4500e-003	0.0648	0.0869	1.7000e-004	3.9200e-003	1.0100e-003	4.9300e-003	1.1600e-003	9.3000e-004	2.0900e-003	0.0000	15.1212	15.1212	1.1000e-004	0.0000	15.1235
Worker	0.0186	0.0284	0.2988	7.1000e-004	0.0464	4.4000e-004	0.0468	0.0126	4.0000e-004	0.0130	0.0000	51.3985	51.3985	2.6300e-003	0.0000	51.4538
<b>Total</b>	<b>0.0250</b>	<b>0.0932</b>	<b>0.3857</b>	<b>8.8000e-004</b>	<b>0.0503</b>	<b>1.4500e-003</b>	<b>0.0517</b>	<b>0.0138</b>	<b>1.3300e-003</b>	<b>0.0151</b>	<b>0.0000</b>	<b>66.5197</b>	<b>66.5197</b>	<b>2.7400e-003</b>	<b>0.0000</b>	<b>66.5773</b>

**3.3 Building Construction - 2018**

**Unmitigated Construction On-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1283	1.4017	0.8579	1.4700e-003		0.0686	0.0686		0.0631	0.0631	0.0000	134.0565	134.0565	0.0417	0.0000	134.9329
<b>Total</b>	<b>0.1283</b>	<b>1.4017</b>	<b>0.8579</b>	<b>1.4700e-003</b>		<b>0.0686</b>	<b>0.0686</b>		<b>0.0631</b>	<b>0.0631</b>	<b>0.0000</b>	<b>134.0565</b>	<b>134.0565</b>	<b>0.0417</b>	<b>0.0000</b>	<b>134.9329</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1100e-003	0.0210	0.0293	6.0000e-005	1.7100e-003	3.4000e-004	2.0400e-003	4.9000e-004	3.1000e-004	8.0000e-004	0.0000	5.2590	5.2590	4.0000e-005	0.0000	5.2598
Worker	5.8400e-003	9.0700e-003	0.0952	2.5000e-004	0.0212	1.5000e-004	0.0213	5.6300e-003	1.4000e-004	5.7700e-003	0.0000	17.4984	17.4984	8.6000e-004	0.0000	17.5165
<b>Total</b>	<b>7.9500e-003</b>	<b>0.0301</b>	<b>0.1245</b>	<b>3.1000e-004</b>	<b>0.0229</b>	<b>4.9000e-004</b>	<b>0.0234</b>	<b>6.1200e-003</b>	<b>4.5000e-004</b>	<b>6.5700e-003</b>	<b>0.0000</b>	<b>22.7574</b>	<b>22.7574</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>22.7763</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1283	1.4017	0.8579	1.4700e-003		0.0686	0.0686		0.0631	0.0631	0.0000	134.0563	134.0563	0.0417	0.0000	134.9327
<b>Total</b>	<b>0.1283</b>	<b>1.4017</b>	<b>0.8579</b>	<b>1.4700e-003</b>		<b>0.0686</b>	<b>0.0686</b>		<b>0.0631</b>	<b>0.0631</b>	<b>0.0000</b>	<b>134.0563</b>	<b>134.0563</b>	<b>0.0417</b>	<b>0.0000</b>	<b>134.9327</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1100e-003	0.0210	0.0293	6.0000e-005	1.3900e-003	3.4000e-004	1.7200e-003	4.1000e-004	3.1000e-004	7.2000e-004	0.0000	5.2590	5.2590	4.0000e-005	0.0000	5.2598
Worker	5.8400e-003	9.0700e-003	0.0952	2.5000e-004	0.0164	1.5000e-004	0.0166	4.4500e-003	1.4000e-004	4.5900e-003	0.0000	17.4984	17.4984	8.6000e-004	0.0000	17.5165
<b>Total</b>	<b>7.9500e-003</b>	<b>0.0301</b>	<b>0.1245</b>	<b>3.1000e-004</b>	<b>0.0178</b>	<b>4.9000e-004</b>	<b>0.0183</b>	<b>4.8600e-003</b>	<b>4.5000e-004</b>	<b>5.3100e-003</b>	<b>0.0000</b>	<b>22.7574</b>	<b>22.7574</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>22.7763</b>

**3.4 Paving - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0385	0.3974	0.2417	3.4000e-004		0.0226	0.0226		0.0208	0.0208	0.0000	31.4961	31.4961	9.6500e-003	0.0000	31.6988
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0385</b>	<b>0.3974</b>	<b>0.2417</b>	<b>3.4000e-004</b>		<b>0.0226</b>	<b>0.0226</b>		<b>0.0208</b>	<b>0.0208</b>	<b>0.0000</b>	<b>31.4961</b>	<b>31.4961</b>	<b>9.6500e-003</b>	<b>0.0000</b>	<b>31.6988</b>

**Unmitigated Construction Off-Site**



Worker	1.3500e-003	2.0600e-003	0.0217	5.0000e-005	6.1500e-003	3.0000e-005	6.1800e-003	1.6000e-003	3.0000e-005	1.6300e-003	0.0000	3.7278	3.7278	1.9000e-004	0.0000	3.7318
<b>Total</b>	<b>1.3500e-003</b>	<b>2.0600e-003</b>	<b>0.0217</b>	<b>5.0000e-005</b>	<b>6.1500e-003</b>	<b>3.0000e-005</b>	<b>6.1800e-003</b>	<b>1.6000e-003</b>	<b>3.0000e-005</b>	<b>1.6300e-003</b>	<b>0.0000</b>	<b>3.7278</b>	<b>3.7278</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>3.7318</b>

### 3.5 Architectural Coating - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5400e-003	0.0171	0.0158	3.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	2.1703	2.1703	2.1000e-004	0.0000	2.1746
<b>Total</b>	<b>0.3076</b>	<b>0.0171</b>	<b>0.0158</b>	<b>3.0000e-005</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>	<b>0.0000</b>	<b>2.1703</b>	<b>2.1703</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1746</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.4000e-004	4.6100e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.8468	0.8468	4.0000e-005	0.0000	0.8477
<b>Total</b>	<b>2.8000e-004</b>	<b>4.4000e-004</b>	<b>4.6100e-003</b>	<b>1.0000e-005</b>	<b>1.0300e-003</b>	<b>1.0000e-005</b>	<b>1.0300e-003</b>	<b>2.7000e-004</b>	<b>1.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.8468</b>	<b>0.8468</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8477</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3050					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5400e-003	0.0171	0.0158	3.0000e-005		1.2800e-003	1.2800e-003		1.2800e-003	1.2800e-003	0.0000	2.1703	2.1703	2.1000e-004	0.0000	2.1746
<b>Total</b>	<b>0.3076</b>	<b>0.0171</b>	<b>0.0158</b>	<b>3.0000e-005</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>		<b>1.2800e-003</b>	<b>1.2800e-003</b>	<b>0.0000</b>	<b>2.1703</b>	<b>2.1703</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1746</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	4.4000e-004	4.6100e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.8468	0.8468	4.0000e-005	0.0000	0.8477
<b>Total</b>	<b>2.8000e-004</b>	<b>4.4000e-004</b>	<b>4.6100e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.8468</b>	<b>0.8468</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.8477</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2858	0.8997	3.2027	7.7000e-003	0.5197	0.0120	0.5316	0.1390	0.0110	0.1500	0.0000	579.8582	579.8582	0.0212	0.0000	580.3035
Unmitigated	0.3093	1.1103	3.7911	9.8000e-003	0.6662	0.0151	0.6813	0.1782	0.0139	0.1921	0.0000	737.8911	737.8911	0.0266	0.0000	738.4486

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	514.02	558.48	473.46	1,758,388	1,371,708
Total	514.02	558.48	473.46	1,758,388	1,371,708

#### 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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470490	0.065594	0.173154	0.156076	0.056237	0.009050	0.016623	0.041711	0.001119	0.001337	0.004965	0.000700	0.002944

#### 5.0 Energy Detail

##### 4.4 Fleet Mix

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	91.0211	91.0211	4.1800e-003	8.7000e-004	91.3773
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	91.0211	91.0211	4.1800e-003	8.7000e-004	91.3773
NaturalGas Mitigated	5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1170	57.1170	1.0900e-003	1.0500e-003	57.4646
NaturalGas Unmitigated	5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1170	57.1170	1.0900e-003	1.0500e-003	57.4646

## 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					
Apartments Low Rise	1.07033e+006	5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1170	57.1170	1.0900e-003	1.0500e-003	57.4646
<b>Total</b>		<b>5.7700e-003</b>	<b>0.0493</b>	<b>0.0210</b>	<b>3.1000e-004</b>		<b>3.9900e-003</b>	<b>3.9900e-003</b>		<b>3.9900e-003</b>	<b>3.9900e-003</b>	<b>0.0000</b>	<b>57.1170</b>	<b>57.1170</b>	<b>1.0900e-003</b>	<b>1.0500e-003</b>	<b>57.4646</b>

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.07033e+006	5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1170	57.1170	1.0900e-003	1.0500e-003	57.4646

Total		5.7700e-003	0.0493	0.0210	3.1000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.1170	57.1170	1.0900e-003	1.0500e-003	57.4646
-------	--	-------------	--------	--------	-------------	--	-------------	-------------	--	-------------	-------------	--------	---------	---------	-------------	-------------	---------

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	318070	91.0211	4.1800e-003	8.7000e-004	91.3773
<b>Total</b>		<b>91.0211</b>	<b>4.1800e-003</b>	<b>8.7000e-004</b>	<b>91.3773</b>

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	318070	91.0211	4.1800e-003	8.7000e-004	91.3773
<b>Total</b>		<b>91.0211</b>	<b>4.1800e-003</b>	<b>8.7000e-004</b>	<b>91.3773</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior



Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3390	9.4000e-003	0.8102	4.0000e-005		5.6000e-003	5.6000e-003		5.5900e-003	5.5900e-003	0.0000	18.1716	18.1716	1.6300e-003	3.1000e-004	18.3015
Unmitigated	0.5928	0.0159	1.3002	8.2000e-004		0.0789	0.0789		0.0789	0.0789	8.2851	17.2350	25.5201	0.0260	5.6000e-004	26.2407

## 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	0.0305					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2819					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2555	6.4800e-003	0.4901	7.8000e-004		0.0745	0.0745		0.0745	0.0745	8.2851	15.9211	24.2062	0.0247	5.6000e-004	24.8994
Landscaping	0.0250	9.4000e-003	0.8101	4.0000e-005		4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	1.3140	1.3140	1.3000e-003	0.0000	1.3413
<b>Total</b>	<b>0.5928</b>	<b>0.0159</b>	<b>1.3002</b>	<b>8.2000e-004</b>		<b>0.0789</b>	<b>0.0789</b>		<b>0.0789</b>	<b>0.0789</b>	<b>8.2851</b>	<b>17.2350</b>	<b>25.5201</b>	<b>0.0260</b>	<b>5.6000e-004</b>	<b>26.2407</b>

### 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	0.0305						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	0.2819						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	1.7000e-003	0.0000	9.0000e-005	0.0000			1.1800e-003	1.1800e-003		1.1600e-003	1.1600e-003	0.0000	16.8576	16.8576	3.2000e-004	3.1000e-004	16.9602
Landscaping	0.0250	9.4000e-003	0.8101	4.0000e-005			4.4200e-003	4.4200e-003		4.4200e-003	4.4200e-003	0.0000	1.3140	1.3140	1.3000e-003	0.0000	1.3413
<b>Total</b>	<b>0.3390</b>	<b>9.4000e-003</b>	<b>0.8102</b>	<b>4.0000e-005</b>			<b>5.6000e-003</b>	<b>5.6000e-003</b>		<b>5.5800e-003</b>	<b>5.5800e-003</b>	<b>0.0000</b>	<b>18.1716</b>	<b>18.1716</b>	<b>1.6200e-003</b>	<b>3.1000e-004</b>	<b>18.3015</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.0038	0.1336	3.3600e-003	29.8502
Unmitigated	30.7349	0.1669	4.1900e-003	35.5386

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.08201 / 3.20388	30.7349	0.1669	4.1900e-003	35.5386
<b>Total</b>		<b>30.7349</b>	<b>0.1669</b>	<b>4.1900e-003</b>	<b>35.5386</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	4.06561 / 3.00844	26.0038	0.1336	3.3600e-003	29.8502
<b>Total</b>		<b>26.0038</b>	<b>0.1336</b>	<b>3.3600e-003</b>	<b>29.8502</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e

	MT/yr			
Mitigated	3.6417	0.2152	0.0000	8.1612
Unmitigated	7.2833	0.4304	0.0000	16.3224

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	35.88	7.2833	0.4304	0.0000	16.3224
<b>Total</b>		<b>7.2833</b>	<b>0.4304</b>	<b>0.0000</b>	<b>16.3224</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	17.94	3.6417	0.2152	0.0000	8.1612
<b>Total</b>		<b>3.6417</b>	<b>0.2152</b>	<b>0.0000</b>	<b>8.1612</b>

## 9.0 Operational Offroad

---

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

## 10.0 Vegetation

---

**Rialto Metrolink Affordable Housing Project**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

---

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	78.00	Dwelling Unit	4.88	78,000.00	223

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2018
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -  
 Land Use - Lot Acreage is 2.6 acres.  
 Construction Phase - Work days.  
 Off-road Equipment -  
 Off-road Equipment - Construction equipment.  
 Off-road Equipment - Construction equipment.  
 Off-road Equipment - Construction equipment.  
 Trips and VMT - Distance from site to haul/dump site and back.  
 Grading - Grading - 3,000 cy of cut and 300 cy of fill. 2,500 cy export.  
 Architectural Coating -  
 Vehicle Trips - Trip rate per Traffic Study.  
 Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation - Per AB 939.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstructionPhase	NumDays	18.00	17.00
tblConstructionPhase	NumDays	230.00	264.00
tblConstructionPhase	NumDays	8.00	22.00
tblConstructionPhase	NumDays	18.00	22.00
tblConstructionPhase	PhaseEndDate	7/25/2017	1/23/2018
tblConstructionPhase	PhaseEndDate	4/4/2018	4/5/2018
tblConstructionPhase	PhaseEndDate	5/7/2018	6/30/2017
tblConstructionPhase	PhaseStartDate	7/1/2017	1/1/2018
tblConstructionPhase	PhaseStartDate	3/31/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	4/6/2018	6/1/2017
tblGrading	AcresOfGrading	38.50	2.60
tblGrading	MaterialExported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblTripsAndVMT	WorkerTripNumber	25.00	40.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.2038	84.7457	55.0344	0.0881	1.4284	4.4241	5.8525	0.3729	4.0702	4.4431	0.0000	8,715.0849	8,715.0849	2.3516	0.0000	8,764.4684
2018	40.1914	43.5001	31.1777	0.0567	0.7992	2.1531	2.9523	0.2130	1.9929	2.2059	0.0000	5,456.6434	5,456.6434	1.3943	0.0000	5,485.9235



<b>Total</b>	<b>48.3952</b>	<b>128.2457</b>	<b>86.2120</b>	<b>0.1447</b>	<b>2.2276</b>	<b>6.5772</b>	<b>8.8048</b>	<b>0.5859</b>	<b>6.0631</b>	<b>6.6490</b>	<b>0.0000</b>	<b>14,171.7283</b>	<b>14,171.7283</b>	<b>3.7459</b>	<b>0.0000</b>	<b>14,250.3919</b>
--------------	----------------	-----------------	----------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------	--------------------	--------------------	---------------	---------------	--------------------

### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	8.2038	84.7457	55.0344	0.0881	1.0956	4.4241	5.5197	0.2912	4.0702	4.3614	0.0000	8,715.0849	8,715.0849	2.3516	0.0000	8,764.4684
2018	40.1914	43.5001	31.1777	0.0567	0.6204	2.1531	2.7735	0.1691	1.9929	2.1620	0.0000	5,456.6434	5,456.6434	1.3943	0.0000	5,485.9235
<b>Total</b>	<b>48.3952</b>	<b>128.2457</b>	<b>86.2120</b>	<b>0.1447</b>	<b>1.7159</b>	<b>6.5772</b>	<b>8.2932</b>	<b>0.4603</b>	<b>6.0631</b>	<b>6.5234</b>	<b>0.0000</b>	<b>14,171.7283</b>	<b>14,171.7283</b>	<b>3.7459</b>	<b>0.0000</b>	<b>14,250.3919</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>22.97</b>	<b>0.00</b>	<b>5.81</b>	<b>21.44</b>	<b>0.00</b>	<b>1.89</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	22.3501	0.5938	45.6867	0.0627		5.9937	5.9937		5.9927	5.9927	730.6196	1,415.5871	2,146.2067	2.1903	0.0496	2,207.5764
Energy	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
Mobile	1.9813	6.2088	23.6286	0.0621	4.0484	0.0900	4.1384	1.0813	0.0829	1.1642		5,132.4647	5,132.4647	0.1746		5,136.1323
<b>Total</b>	<b>24.3631</b>	<b>7.0728</b>	<b>69.4303</b>	<b>0.1265</b>	<b>4.0484</b>	<b>6.1055</b>	<b>10.1540</b>	<b>1.0813</b>	<b>6.0975</b>	<b>7.1787</b>	<b>730.6196</b>	<b>6,893.0419</b>	<b>7,623.6615</b>	<b>2.3716</b>	<b>0.0559</b>	<b>7,690.7982</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.0476	0.0752	6.4880	3.4000e-004		0.1295	0.1295		0.1285	0.1285	0.0000	1,498.1753	1,498.1753	0.0400	0.0273	1,507.4636
Energy	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
Mobile	1.8346	5.0397	19.5873	0.0488	3.1582	0.0712	3.2294	0.8435	0.0656	0.9091		4,032.2109	4,032.2109	0.1395		4,035.1398
<b>Total</b>	<b>3.9139</b>	<b>5.3852</b>	<b>26.1903</b>	<b>0.0508</b>	<b>3.1582</b>	<b>0.2226</b>	<b>3.3807</b>	<b>0.8435</b>	<b>0.2160</b>	<b>1.0595</b>	<b>0.0000</b>	<b>5,875.3763</b>	<b>5,875.3763</b>	<b>0.1861</b>	<b>0.0336</b>	<b>5,889.6930</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	83.94	23.86	62.28	59.83	21.99	96.35	66.71	21.99	96.46	85.24	100.00	14.76	22.93	92.15	39.96	23.42

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	3/1/2017	3/30/2017	5	22	
2	Building Construction	Building Construction	4/1/2017	4/5/2018	5	264	
3	Paving	Paving	6/1/2017	6/30/2017	5	22	
4	Architectural Coating	Architectural Coating	1/1/2018	1/23/2018	5	17	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.6

Acres of Paving: 0

Residential Indoor: 157,950; Residential Outdoor: 52,650; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	6.00	162	0.38
Grading	Graders	2	8.00	174	0.41
Grading	Rollers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	0	8.00	255	0.40
Grading	Rubber Tired Loaders	2	6.00	199	0.36
Grading	Scrapers	1	6.00	361	0.48
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Trenchers	1	6.00	80	0.50
Building Construction	Cranes	0	8.00	226	0.29
Building Construction	Excavators	2	6.00	162	0.38
Building Construction	Forklifts	0	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Graders	2	6.00	174	0.41
Building Construction	Rubber Tired Loaders	2	6.00	199	0.36
Building Construction	Scrapers	1	6.00	361	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Trenchers	1	6.00	80	0.50
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Graders	2	8.00	174	0.41
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Rubber Tired Dozers	0	8.00	255	0.40
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	10	40.00	0.00	313.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	56.00	8.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	10.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1382	0.0000	0.1382	0.0155	0.0000	0.0155			0.0000			0.0000
Off-Road	5.0425	54.9314	30.8299	0.0480		2.8125	2.8125		2.5875	2.5875		4,914.7821	4,914.7821	1.5059		4,946.4056
<b>Total</b>	<b>5.0425</b>	<b>54.9314</b>	<b>30.8299</b>	<b>0.0480</b>	<b>0.1382</b>	<b>2.8125</b>	<b>2.9507</b>	<b>0.0155</b>	<b>2.5875</b>	<b>2.6030</b>		<b>4,914.7821</b>	<b>4,914.7821</b>	<b>1.5059</b>		<b>4,946.4056</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1608	1.9410	2.1512	5.3500e-003	0.1241	0.0283	0.1523	0.0340	0.0260	0.0600		529.7860	529.7860	4.0600e-003		529.8713
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1529	0.1875	2.4750	5.6200e-003	0.4471	3.1900e-003	0.4503	0.1186	2.9500e-003	0.1215		448.7906	448.7906	0.0213		449.2374
<b>Total</b>	<b>0.3137</b>	<b>2.1285</b>	<b>4.6262</b>	<b>0.0110</b>	<b>0.5712</b>	<b>0.0314</b>	<b>0.6026</b>	<b>0.1526</b>	<b>0.0289</b>	<b>0.1815</b>		<b>978.5766</b>	<b>978.5766</b>	<b>0.0253</b>		<b>979.1087</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0512	0.0000	0.0512	5.7300e-003	0.0000	5.7300e-003			0.0000			0.0000
Off-Road	5.0425	54.9314	30.8299	0.0480		2.8125	2.8125		2.5875	2.5875	0.0000	4,914.7821	4,914.7821	1.5059		4,946.4056
<b>Total</b>	<b>5.0425</b>	<b>54.9314</b>	<b>30.8299</b>	<b>0.0480</b>	<b>0.0512</b>	<b>2.8125</b>	<b>2.8637</b>	<b>5.7300e-003</b>	<b>2.5875</b>	<b>2.5932</b>	<b>0.0000</b>	<b>4,914.7821</b>	<b>4,914.7821</b>	<b>1.5059</b>		<b>4,946.4056</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1608	1.9410	2.1512	5.3500e-003	0.0996	0.0283	0.1279	0.0280	0.0260	0.0540		529.7860	529.7860	4.0600e-003		529.8713
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.1529	0.1875	2.4750	5.6200e-003	0.3460	3.1900e-003	0.3492	0.0938	2.9500e-003	0.0967		448.7906	448.7906	0.0213		449.2374
<b>Total</b>	<b>0.3137</b>	<b>2.1285</b>	<b>4.6262</b>	<b>0.0110</b>	<b>0.4457</b>	<b>0.0314</b>	<b>0.4771</b>	<b>0.1218</b>	<b>0.0289</b>	<b>0.1507</b>		<b>978.5766</b>	<b>978.5766</b>	<b>0.0253</b>		<b>979.1087</b>

### 3.3 Building Construction - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2934	47.5542	26.6184	0.0426		2.3554	2.3554		2.1670	2.1670		4,355.0754	4,355.0754	1.3344		4,383.0975
<b>Total</b>	<b>4.2934</b>	<b>47.5542</b>	<b>26.6184</b>	<b>0.0426</b>		<b>2.3554</b>	<b>2.3554</b>		<b>2.1670</b>	<b>2.1670</b>		<b>4,355.0754</b>	<b>4,355.0754</b>	<b>1.3344</b>		<b>4,383.0975</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0626	0.6353	0.7531	1.7400e-003	0.0503	0.0103	0.0606	0.0144	9.4900e-003	0.0238		171.5629	171.5629	1.2100e-003		171.5884
Worker	0.2141	0.2625	3.4650	7.8700e-003	0.6260	4.4700e-003	0.6304	0.1660	4.1300e-003	0.1701		628.3069	628.3069	0.0298		628.9324
<b>Total</b>	<b>0.2767</b>	<b>0.8978</b>	<b>4.2181</b>	<b>9.6100e-003</b>	<b>0.6762</b>	<b>0.0148</b>	<b>0.6910</b>	<b>0.1804</b>	<b>0.0136</b>	<b>0.1940</b>		<b>799.8697</b>	<b>799.8697</b>	<b>0.0310</b>		<b>800.5207</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2934	47.5542	26.6184	0.0426		2.3554	2.3554		2.1670	2.1670	0.0000	4,355.0754	4,355.0754	1.3344		4,383.0975
<b>Total</b>	<b>4.2934</b>	<b>47.5542</b>	<b>26.6184</b>	<b>0.0426</b>		<b>2.3554</b>	<b>2.3554</b>		<b>2.1670</b>	<b>2.1670</b>	<b>0.0000</b>	<b>4,355.0754</b>	<b>4,355.0754</b>	<b>1.3344</b>		<b>4,383.0975</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0626	0.6353	0.7531	1.7400e-003	0.0408	0.0103	0.0511	0.0120	9.4900e-003	0.0215		171.5629	171.5629	1.2100e-003		171.5884
Worker	0.2141	0.2625	3.4650	7.8700e-003	0.4845	4.4700e-003	0.4889	0.1313	4.1300e-003	0.1354		628.3069	628.3069	0.0298		628.9324
<b>Total</b>	<b>0.2767</b>	<b>0.8978</b>	<b>4.2181</b>	<b>9.6100e-003</b>	<b>0.5252</b>	<b>0.0148</b>	<b>0.5400</b>	<b>0.1433</b>	<b>0.0136</b>	<b>0.1569</b>		<b>799.8697</b>	<b>799.8697</b>	<b>0.0310</b>		<b>800.5207</b>

### 3.3 Building Construction - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7188	40.6283	24.8654	0.0426		1.9876	1.9876		1.8286	1.8286		4,283.2448	4,283.2448	1.3334		4,311.2469

<b>Total</b>	<b>3.7188</b>	<b>40.6283</b>	<b>24.8654</b>	<b>0.0426</b>		<b>1.9876</b>	<b>1.9876</b>		<b>1.8286</b>	<b>1.8286</b>		<b>4,283.2448</b>	<b>4,283.2448</b>	<b>1.3334</b>		<b>4,311.2469</b>
--------------	---------------	----------------	----------------	---------------	--	---------------	---------------	--	---------------	---------------	--	-------------------	-------------------	---------------	--	-------------------

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0580	0.5825	0.7108	1.7300e-003	0.0503	9.7100e-003	0.0600	0.0144	8.9300e-003	0.0233		168.6270	168.6270	1.2100e-003		168.6523
Worker	0.1912	0.2369	3.1320	7.8700e-003	0.6260	4.3700e-003	0.6303	0.1660	4.0400e-003	0.1700		604.5685	604.5685	0.0275		605.1462
<b>Total</b>	<b>0.2492</b>	<b>0.8195</b>	<b>3.8428</b>	<b>9.6000e-003</b>	<b>0.6762</b>	<b>0.0141</b>	<b>0.6903</b>	<b>0.1804</b>	<b>0.0130</b>	<b>0.1933</b>		<b>773.1956</b>	<b>773.1956</b>	<b>0.0287</b>		<b>773.7985</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7188	40.6283	24.8654	0.0426		1.9876	1.9876		1.8286	1.8286	0.0000	4,283.2448	4,283.2448	1.3334		4,311.2469
<b>Total</b>	<b>3.7188</b>	<b>40.6283</b>	<b>24.8654</b>	<b>0.0426</b>		<b>1.9876</b>	<b>1.9876</b>		<b>1.8286</b>	<b>1.8286</b>	<b>0.0000</b>	<b>4,283.2448</b>	<b>4,283.2448</b>	<b>1.3334</b>		<b>4,311.2469</b>

**Mitigated Construction Off-Site**



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0580	0.5825	0.7108	1.7300e-003	0.0408	9.7100e-003	0.0505	0.0120	8.9300e-003	0.0210		168.6270	168.6270	1.2100e-003		168.6523
Worker	0.1912	0.2369	3.1320	7.8700e-003	0.4845	4.3700e-003	0.4888	0.1313	4.0400e-003	0.1353		604.5685	604.5685	0.0275		605.1462
<b>Total</b>	<b>0.2492</b>	<b>0.8195</b>	<b>3.8428</b>	<b>9.6000e-003</b>	<b>0.5252</b>	<b>0.0141</b>	<b>0.5393</b>	<b>0.1433</b>	<b>0.0130</b>	<b>0.1563</b>		<b>773.1956</b>	<b>773.1956</b>	<b>0.0287</b>		<b>773.7985</b>

### 3.4 Paving - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4962	36.1250	21.9703	0.0308		2.0510	2.0510		1.8869	1.8869		3,156.2282	3,156.2282	0.9671		3,176.5365
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.4962</b>	<b>36.1250</b>	<b>21.9703</b>	<b>0.0308</b>		<b>2.0510</b>	<b>2.0510</b>		<b>1.8869</b>	<b>1.8869</b>		<b>3,156.2282</b>	<b>3,156.2282</b>	<b>0.9671</b>		<b>3,176.5365</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1376	0.1687	2.2275	5.0600e-003	0.7522	2.8800e-003	0.7551	0.1926	2.6500e-003	0.1952		403.9116	403.9116	0.0192		404.3137
<b>Total</b>	<b>0.1376</b>	<b>0.1687</b>	<b>2.2275</b>	<b>5.0600e-003</b>	<b>0.7522</b>	<b>2.8800e-003</b>	<b>0.7551</b>	<b>0.1926</b>	<b>2.6500e-003</b>	<b>0.1952</b>		<b>403.9116</b>	<b>403.9116</b>	<b>0.0192</b>		<b>404.3137</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4962	36.1250	21.9703	0.0308		2.0510	2.0510		1.8869	1.8869	0.0000	3,156.2282	3,156.2282	0.9671		3,176.5365
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>3.4962</b>	<b>36.1250</b>	<b>21.9703</b>	<b>0.0308</b>		<b>2.0510</b>	<b>2.0510</b>		<b>1.8869</b>	<b>1.8869</b>	<b>0.0000</b>	<b>3,156.2282</b>	<b>3,156.2282</b>	<b>0.9671</b>		<b>3,176.5365</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1376	0.1687	2.2275	5.0600e-003	0.5703	2.8800e-003	0.5732	0.1479	2.6500e-003	0.1506		403.9116	403.9116	0.0192		404.3137
<b>Total</b>	<b>0.1376</b>	<b>0.1687</b>	<b>2.2275</b>	<b>5.0600e-003</b>	<b>0.5703</b>	<b>2.8800e-003</b>	<b>0.5732</b>	<b>0.1479</b>	<b>2.6500e-003</b>	<b>0.1506</b>		<b>403.9116</b>	<b>403.9116</b>	<b>0.0192</b>		<b>404.3137</b>

**3.5 Architectural Coating - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.8872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>36.1858</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>		<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0376	0.0465	0.6152	1.5500e-003	0.1230	8.6000e-004	0.1238	0.0326	7.9000e-004	0.0334		118.7545	118.7545	5.4000e-003		118.8680
<b>Total</b>	<b>0.0376</b>	<b>0.0465</b>	<b>0.6152</b>	<b>1.5500e-003</b>	<b>0.1230</b>	<b>8.6000e-004</b>	<b>0.1238</b>	<b>0.0326</b>	<b>7.9000e-004</b>	<b>0.0334</b>		<b>118.7545</b>	<b>118.7545</b>	<b>5.4000e-003</b>		<b>118.8680</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.8872					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
<b>Total</b>	<b>36.1858</b>	<b>2.0058</b>	<b>1.8542</b>	<b>2.9700e-003</b>		<b>0.1506</b>	<b>0.1506</b>		<b>0.1506</b>	<b>0.1506</b>	<b>0.0000</b>	<b>281.4485</b>	<b>281.4485</b>	<b>0.0267</b>		<b>282.0102</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0376	0.0465	0.6152	1.5500e-003	0.0952	8.6000e-004	0.0960	0.0258	7.9000e-004	0.0266		118.7545	118.7545	5.4000e-003		118.8680
<b>Total</b>	<b>0.0376</b>	<b>0.0465</b>	<b>0.6152</b>	<b>1.5500e-003</b>	<b>0.0952</b>	<b>8.6000e-004</b>	<b>0.0960</b>	<b>0.0258</b>	<b>7.9000e-004</b>	<b>0.0266</b>		<b>118.7545</b>	<b>118.7545</b>	<b>5.4000e-003</b>		<b>118.8680</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8346	5.0397	19.5873	0.0488	3.1582	0.0712	3.2294	0.8435	0.0656	0.9091		4,032.2109	4,032.2109	0.1395		4,035.1398

Unmitigated	1.9813	6.2088	23.6286	0.0621	4.0484	0.0900	4.1384	1.0813	0.0829	1.1642	5,132.4647	5,132.4647	0.1746	5,136.1323
-------------	--------	--------	---------	--------	--------	--------	--------	--------	--------	--------	------------	------------	--------	------------

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	514.02	558.48	473.46	1,758,388	1,371,708
Total	514.02	558.48	473.46	1,758,388	1,371,708

## 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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.470490	0.065594	0.173154	0.156076	0.056237	0.009050	0.016623	0.041711	0.001119	0.001337	0.004965	0.000700	0.002944

## 5.0 Energy Detail

### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
NaturalGas Unmitigated	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896

## 5.2 Energy by Land Use - Natural Gas

### Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2932.42	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
<b>Total</b>		<b>0.0316</b>	<b>0.2702</b>	<b>0.1150</b>	<b>1.7200e-003</b>		<b>0.0219</b>	<b>0.0219</b>		<b>0.0219</b>	<b>0.0219</b>		<b>344.9900</b>	<b>344.9900</b>	<b>6.6100e-003</b>	<b>6.3200e-003</b>	<b>347.0896</b>

### Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	2.93242	0.0316	0.2702	0.1150	1.7200e-003		0.0219	0.0219		0.0219	0.0219		344.9900	344.9900	6.6100e-003	6.3200e-003	347.0896
<b>Total</b>		<b>0.0316</b>	<b>0.2702</b>	<b>0.1150</b>	<b>1.7200e-003</b>		<b>0.0219</b>	<b>0.0219</b>		<b>0.0219</b>	<b>0.0219</b>		<b>344.9900</b>	<b>344.9900</b>	<b>6.6100e-003</b>	<b>6.3200e-003</b>	<b>347.0896</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0476	0.0752	6.4880	3.4000e-004		0.1295	0.1295		0.1285	0.1285	0.0000	1,498.1753	1,498.1753	0.0400	0.0273	1,507.4636
Unmitigated	22.3501	0.5938	45.6867	0.0627		5.9937	5.9937		5.9927	5.9927	730.6196	1,415.5871	2,146.2067	2.1903	0.0496	2,207.5764

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	20.4388	0.5186	39.2061	0.0624		5.9583	5.9583		5.9574	5.9574	730.6196	1,404.0000	2,134.6196	2.1789	0.0496	2,195.7481
Landscaping	0.1998	0.0752	6.4806	3.4000e-004		0.0354	0.0354		0.0354	0.0354		11.5871	11.5871	0.0115		11.8282
<b>Total</b>	<b>22.3501</b>	<b>0.5938</b>	<b>45.6867</b>	<b>0.0627</b>		<b>5.9937</b>	<b>5.9937</b>		<b>5.9927</b>	<b>5.9927</b>	<b>730.6196</b>	<b>1,415.5871</b>	<b>2,146.2067</b>	<b>2.1903</b>	<b>0.0496</b>	<b>2,207.5764</b>

### Mitigated

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

SubCategory	lb/day								lb/day							
Architectural Coating	0.1672					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.5444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1363	1.0000e-005	7.4300e-003	0.0000		0.0942	0.0942		0.0932	0.0932	0.0000	1,486.5882	1,486.5882	0.0285	0.0273	1,495.6354
Landscaping	0.1998	0.0752	6.4806	3.4000e-004		0.0354	0.0354		0.0354	0.0354		11.5871	11.5871	0.0115		11.8282
<b>Total</b>	<b>2.0476</b>	<b>0.0752</b>	<b>6.4880</b>	<b>3.4000e-004</b>		<b>0.1295</b>	<b>0.1295</b>		<b>0.1285</b>	<b>0.1285</b>	<b>0.0000</b>	<b>1,498.1753</b>	<b>1,498.1753</b>	<b>0.0400</b>	<b>0.0273</b>	<b>1,507.4636</b>

## 7.0 Water Detail

---

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

---

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

---

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

## 10.0 Vegetation

---



**Rialto Metrolink Affordable Housing Project  
Emission Calculations**

**Passenger Train Travel Emissions**

Avg HP 4121

Train Travel	Daily Trains	# Engines used	HP	gr/bhp-hr	gr/sec/engine	gr/sec/train	Average Speed (MPH)	Average Speed (mi/sec)	Total distance (miles)	time (sec/train)	gr/day/train	gr/day	gr/sec (24 hrs)
Metrolink	32	1	4,121	0.09	0.10303	0.10303	44	0.012	0.47	38.45	3.96	126.78	0.0015

gr/bhp-hr is based on the average emission rates for Tier 0, Tier 2, and Tier 4 locomotives.

**Idling Emissions**

Train Travel	Daily Trains	# Engines used	HP	gr/bhp-hr	gr/sec/engine	gr/sec/train	Idling (sec/train)	gr/day/train	gr/day	gr/sec (24 hrs)
Metrolink	31	1	4,121	0.09	0.10303	0.10303	60	6.1815	191.6265	0.0022

gr/bhp-hr is based on the average emission rates for Tier 0, Tier 2, and Tier 4 locomotives.

**Freight Train Travel Emissions**

HP 4400

Train Travel	Daily Trains	# Engines used	HP	gr/bhp-hr	gr/sec/engine	gr/sec/train	Average Speed (MPH)	Average Speed (mi/sec)	Total distance (miles)	time (sec/train)	gr/day/train	gr/day	gr/sec (24 hrs)
BNSF	2	3	4,400	0.22	0.26889	0.80667	25	0.007	0.47	67.68	54.60	109.19	0.0013

**Risk Calculations**

24 Hour Avg Concentration: 3.68E-01  
 Annual Avg Concentration: 3.68E-02

**Cancer Risk**

	Risk	in one million
Risk = $(CPF \cdot C_{air} \cdot DBR \cdot A \cdot EF \cdot ED \cdot 10^{-6}) / AT$	1.17318E-05	11.73
Threshold:		10 in one million

DOSE <sub>air</sub>		mg/kg-d	Dose through inhalation
CPF	1.1	(mg/kg/day) <sup>-1</sup>	Cancer Potency Factor for DPM
DBR	302	L/kg	Daily Breathing rate normalized to body weight
10 <sup>-6</sup>	1.00E-06		Micrograms to milligrams conversions, liters to cubic meters conversion
C <sub>air</sub>	3.68E-02	ug/m <sup>3</sup>	Concentration in air (ug/m <sup>3</sup> ), modeled annual average concentration
A	1		Inhalation absorption factor
EF	350.00	days/year	Exposure frequency (days/year) (350 days/365 days in a year for a resident)
ED	70	years	Exposure duration (years)
AT	25550	years	Averaging time period over which exposure is averaged

**Chronic Noncancer Hazard**

Threshold: 1

Hazard Quotient = C<sub>i</sub>/REL<sub>i</sub>

HQ = 7.37E-03

C<sub>i</sub> 3.68E-02 Concentration (annual average)

REL<sub>i</sub> 5 Reference Exposure Level

**Acute NonCancer Hazard**

Threshold: 1

Acute HQ = Maximum Hourly Concentration/Acute REL

Acute HQ = 1.94E-01

Max Hourly 3.68E-02

Acute REL (Acrol) 0.19

Rialto.ADI

```
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 12/22/2015
** File: H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Health Risk
Assessment\AERMOD\Rialto\Rialto.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal
MODELOPT DFAULT CONC
AVERTIME 1 24
URBANOPT 2015355
POLLUTID PM_2.5
RUNORNOT RUN
ERRORFIL Rialto.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE1
** DESCRSRC train
** PREFIX
** Length of Side = 9.00
** Configuration = Separated 2w
** Emission Rate = 0.0028
** Vertical Dimension = 4.72
** SZINIT = 2.20
** Nodes = 2
** 466051.292, 3772958.406, 305.00, 4.72, 1.42
```

Rialto.ADI

\*\* 465278.065, 3772935.255, 305.00, 4.72, 1.42

\*\*

---

LOCATION	L0001054	VOLUME	466046.794	3772958.271	305.00
LOCATION	L0001055	VOLUME	466028.802	3772957.732	305.00
LOCATION	L0001056	VOLUME	466010.810	3772957.194	305.00
LOCATION	L0001057	VOLUME	465992.818	3772956.655	305.00
LOCATION	L0001058	VOLUME	465974.826	3772956.116	305.00
LOCATION	L0001059	VOLUME	465956.834	3772955.578	305.00
LOCATION	L0001060	VOLUME	465938.842	3772955.039	305.00
LOCATION	L0001061	VOLUME	465920.850	3772954.500	305.00
LOCATION	L0001062	VOLUME	465902.858	3772953.962	305.00
LOCATION	L0001063	VOLUME	465884.866	3772953.423	305.00
LOCATION	L0001064	VOLUME	465866.874	3772952.884	305.00
LOCATION	L0001065	VOLUME	465848.882	3772952.346	305.00
LOCATION	L0001066	VOLUME	465830.890	3772951.807	305.00
LOCATION	L0001067	VOLUME	465812.898	3772951.268	305.00
LOCATION	L0001068	VOLUME	465794.907	3772950.729	305.00
LOCATION	L0001069	VOLUME	465776.915	3772950.191	305.00
LOCATION	L0001070	VOLUME	465758.923	3772949.652	305.00
LOCATION	L0001071	VOLUME	465740.931	3772949.113	305.00
LOCATION	L0001072	VOLUME	465722.939	3772948.575	305.00
LOCATION	L0001073	VOLUME	465704.947	3772948.036	305.00
LOCATION	L0001074	VOLUME	465686.955	3772947.497	305.00
LOCATION	L0001075	VOLUME	465668.963	3772946.959	305.00
LOCATION	L0001076	VOLUME	465650.971	3772946.420	305.00
LOCATION	L0001077	VOLUME	465632.979	3772945.881	305.00
LOCATION	L0001078	VOLUME	465614.987	3772945.343	305.00
LOCATION	L0001079	VOLUME	465596.995	3772944.804	305.00
LOCATION	L0001080	VOLUME	465579.003	3772944.265	305.00
LOCATION	L0001081	VOLUME	465561.011	3772943.727	305.00
LOCATION	L0001082	VOLUME	465543.019	3772943.188	305.00
LOCATION	L0001083	VOLUME	465525.027	3772942.649	305.00
LOCATION	L0001084	VOLUME	465507.036	3772942.111	305.00
LOCATION	L0001085	VOLUME	465489.044	3772941.572	305.00
LOCATION	L0001086	VOLUME	465471.052	3772941.033	305.00
LOCATION	L0001087	VOLUME	465453.060	3772940.495	305.00
LOCATION	L0001088	VOLUME	465435.068	3772939.956	305.00
LOCATION	L0001089	VOLUME	465417.076	3772939.417	305.00
LOCATION	L0001090	VOLUME	465399.084	3772938.878	305.00
LOCATION	L0001091	VOLUME	465381.092	3772938.340	305.00
LOCATION	L0001092	VOLUME	465363.100	3772937.801	305.00
LOCATION	L0001093	VOLUME	465345.108	3772937.262	305.00
LOCATION	L0001094	VOLUME	465327.116	3772936.724	305.00
LOCATION	L0001095	VOLUME	465309.124	3772936.185	305.00
LOCATION	L0001096	VOLUME	465291.132	3772935.646	305.00

\*\* End of LINE VOLUME Source ID = SLINE1

LOCATION	STCK1	POINT	465564.930	3772944.240	305.000
----------	-------	-------	------------	-------------	---------

\*\* DESCRSRC Train WB Idle

	LOCATION STCK2	POINT	465807.290	Rialto.ADI 3772951.220	305.000
**	DESCRSRC Train EB Idle				
**	Source Parameters **				
**	LINE VOLUME Source ID = SLINE1				
	SRCPARAM L0001054	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001055	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001056	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001057	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001058	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001059	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001060	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001061	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001062	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001063	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001064	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001065	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001066	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001067	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001068	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001069	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001070	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001071	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001072	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001073	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001074	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001075	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001076	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001077	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001078	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001079	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001080	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001081	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001082	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001083	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001084	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001085	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001086	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001087	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001088	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001089	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001090	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001091	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001092	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001093	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001094	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001095	0.0000651163	4.72	1.42	2.20
	SRCPARAM L0001096	0.0000651163	4.72	1.42	2.20
**	-----				

				Rialto.ADI		
SRCPARAM	STCK1	0.0011	4.720	351.000	3.73000	0.666
SRCPARAM	STCK2	0.0011	4.720	351.000	3.73000	0.666
URBANSRC	ALL					
SRCGROUP	SLINE1	L0001054	L0001055	L0001056	L0001057	L0001058
SRCGROUP	SLINE1	L0001060	L0001061	L0001062	L0001063	L0001064
SRCGROUP	SLINE1	L0001066	L0001067	L0001068	L0001069	L0001070
SRCGROUP	SLINE1	L0001072	L0001073	L0001074	L0001075	L0001076
SRCGROUP	SLINE1	L0001078	L0001079	L0001080	L0001081	L0001082
SRCGROUP	SLINE1	L0001084	L0001085	L0001086	L0001087	L0001088
SRCGROUP	SLINE1	L0001090	L0001091	L0001092	L0001093	L0001094
SRCGROUP	SLINE1	L0001096				
SRCGROUP	STCK1	STCK1				
SRCGROUP	ALL					

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

\*\* DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"

DISCCART	465630.31	3772850.73	0.00	0.00
DISCCART	465634.70	3772850.73	0.00	0.00
DISCCART	465639.09	3772850.73	0.00	0.00
DISCCART	465643.48	3772850.73	0.00	0.00
DISCCART	465647.87	3772850.73	0.00	0.00
DISCCART	465652.26	3772850.73	0.00	0.00
DISCCART	465656.65	3772850.73	0.00	0.00
DISCCART	465661.04	3772850.73	0.00	0.00
DISCCART	465665.43	3772850.73	0.00	0.00
DISCCART	465669.82	3772850.73	0.00	0.00
DISCCART	465674.21	3772850.73	0.00	0.00
DISCCART	465678.60	3772850.73	0.00	0.00
DISCCART	465682.99	3772850.73	0.00	0.00
DISCCART	465687.38	3772850.73	0.00	0.00
DISCCART	465691.77	3772850.73	0.00	0.00
DISCCART	465696.16	3772850.73	0.00	0.00
DISCCART	465700.55	3772850.73	0.00	0.00
DISCCART	465704.94	3772850.73	0.00	0.00
DISCCART	465709.33	3772850.73	0.00	0.00
DISCCART	465713.72	3772850.73	0.00	0.00
DISCCART	465718.11	3772850.73	0.00	0.00
DISCCART	465630.31	3772853.97	0.00	0.00
DISCCART	465634.70	3772853.97	0.00	0.00
DISCCART	465639.09	3772853.97	0.00	0.00
DISCCART	465643.48	3772853.97	0.00	0.00
DISCCART	465647.87	3772853.97	0.00	0.00

DISCCART	465652.26	3772853.97	0.00	Rialto.ADI 0.00
DISCCART	465656.65	3772853.97	0.00	0.00
DISCCART	465661.04	3772853.97	0.00	0.00
DISCCART	465665.43	3772853.97	0.00	0.00
DISCCART	465669.82	3772853.97	0.00	0.00
DISCCART	465674.21	3772853.97	0.00	0.00
DISCCART	465678.60	3772853.97	0.00	0.00
DISCCART	465682.99	3772853.97	0.00	0.00
DISCCART	465687.38	3772853.97	0.00	0.00
DISCCART	465691.77	3772853.97	0.00	0.00
DISCCART	465696.16	3772853.97	0.00	0.00
DISCCART	465700.55	3772853.97	0.00	0.00
DISCCART	465704.94	3772853.97	0.00	0.00
DISCCART	465709.33	3772853.97	0.00	0.00
DISCCART	465713.72	3772853.97	0.00	0.00
DISCCART	465718.11	3772853.97	0.00	0.00
DISCCART	465630.31	3772857.21	0.00	0.00
DISCCART	465634.70	3772857.21	0.00	0.00
DISCCART	465639.09	3772857.21	0.00	0.00
DISCCART	465643.48	3772857.21	0.00	0.00
DISCCART	465647.87	3772857.21	0.00	0.00
DISCCART	465652.26	3772857.21	0.00	0.00
DISCCART	465656.65	3772857.21	0.00	0.00
DISCCART	465661.04	3772857.21	0.00	0.00
DISCCART	465665.43	3772857.21	0.00	0.00
DISCCART	465669.82	3772857.21	0.00	0.00
DISCCART	465674.21	3772857.21	0.00	0.00
DISCCART	465678.60	3772857.21	0.00	0.00
DISCCART	465682.99	3772857.21	0.00	0.00
DISCCART	465687.38	3772857.21	0.00	0.00
DISCCART	465691.77	3772857.21	0.00	0.00
DISCCART	465696.16	3772857.21	0.00	0.00
DISCCART	465700.55	3772857.21	0.00	0.00
DISCCART	465704.94	3772857.21	0.00	0.00
DISCCART	465709.33	3772857.21	0.00	0.00
DISCCART	465713.72	3772857.21	0.00	0.00
DISCCART	465718.11	3772857.21	0.00	0.00
DISCCART	465630.31	3772860.45	0.00	0.00
DISCCART	465634.70	3772860.45	0.00	0.00
DISCCART	465639.09	3772860.45	0.00	0.00
DISCCART	465643.48	3772860.45	0.00	0.00
DISCCART	465647.87	3772860.45	0.00	0.00
DISCCART	465652.26	3772860.45	0.00	0.00
DISCCART	465656.65	3772860.45	0.00	0.00
DISCCART	465661.04	3772860.45	0.00	0.00
DISCCART	465665.43	3772860.45	0.00	0.00
DISCCART	465669.82	3772860.45	0.00	0.00
DISCCART	465674.21	3772860.45	0.00	0.00

DISCCART	465678.60	3772860.45	0.00	Rialto.ADI 0.00
DISCCART	465682.99	3772860.45	0.00	0.00
DISCCART	465687.38	3772860.45	0.00	0.00
DISCCART	465691.77	3772860.45	0.00	0.00
DISCCART	465696.16	3772860.45	0.00	0.00
DISCCART	465700.55	3772860.45	0.00	0.00
DISCCART	465704.94	3772860.45	0.00	0.00
DISCCART	465709.33	3772860.45	0.00	0.00
DISCCART	465713.72	3772860.45	0.00	0.00
DISCCART	465718.11	3772860.45	0.00	0.00
DISCCART	465630.31	3772863.69	0.00	0.00
DISCCART	465634.70	3772863.69	0.00	0.00
DISCCART	465639.09	3772863.69	0.00	0.00
DISCCART	465643.48	3772863.69	0.00	0.00
DISCCART	465647.87	3772863.69	0.00	0.00
DISCCART	465652.26	3772863.69	0.00	0.00
DISCCART	465656.65	3772863.69	0.00	0.00
DISCCART	465661.04	3772863.69	0.00	0.00
DISCCART	465665.43	3772863.69	0.00	0.00
DISCCART	465669.82	3772863.69	0.00	0.00
DISCCART	465674.21	3772863.69	0.00	0.00
DISCCART	465678.60	3772863.69	0.00	0.00
DISCCART	465682.99	3772863.69	0.00	0.00
DISCCART	465687.38	3772863.69	0.00	0.00
DISCCART	465691.77	3772863.69	0.00	0.00
DISCCART	465696.16	3772863.69	0.00	0.00
DISCCART	465700.55	3772863.69	0.00	0.00
DISCCART	465704.94	3772863.69	0.00	0.00
DISCCART	465709.33	3772863.69	0.00	0.00
DISCCART	465713.72	3772863.69	0.00	0.00
DISCCART	465718.11	3772863.69	0.00	0.00
DISCCART	465630.31	3772866.93	0.00	0.00
DISCCART	465634.70	3772866.93	0.00	0.00
DISCCART	465639.09	3772866.93	0.00	0.00
DISCCART	465643.48	3772866.93	0.00	0.00
DISCCART	465647.87	3772866.93	0.00	0.00
DISCCART	465652.26	3772866.93	0.00	0.00
DISCCART	465656.65	3772866.93	0.00	0.00
DISCCART	465661.04	3772866.93	0.00	0.00
DISCCART	465665.43	3772866.93	0.00	0.00
DISCCART	465669.82	3772866.93	0.00	0.00
DISCCART	465674.21	3772866.93	0.00	0.00
DISCCART	465678.60	3772866.93	0.00	0.00
DISCCART	465682.99	3772866.93	0.00	0.00
DISCCART	465687.38	3772866.93	0.00	0.00
DISCCART	465691.77	3772866.93	0.00	0.00
DISCCART	465696.16	3772866.93	0.00	0.00
DISCCART	465700.55	3772866.93	0.00	0.00



				Rialto.ADI
DISCCART	465704.94	3772866.93	0.00	0.00
DISCCART	465709.33	3772866.93	0.00	0.00
DISCCART	465713.72	3772866.93	0.00	0.00
DISCCART	465718.11	3772866.93	0.00	0.00
DISCCART	465630.31	3772870.17	0.00	0.00
DISCCART	465634.70	3772870.17	0.00	0.00
DISCCART	465639.09	3772870.17	0.00	0.00
DISCCART	465643.48	3772870.17	0.00	0.00
DISCCART	465647.87	3772870.17	0.00	0.00
DISCCART	465652.26	3772870.17	0.00	0.00
DISCCART	465656.65	3772870.17	0.00	0.00
DISCCART	465661.04	3772870.17	0.00	0.00
DISCCART	465665.43	3772870.17	0.00	0.00
DISCCART	465669.82	3772870.17	0.00	0.00
DISCCART	465674.21	3772870.17	0.00	0.00
DISCCART	465678.60	3772870.17	0.00	0.00
DISCCART	465682.99	3772870.17	0.00	0.00
DISCCART	465687.38	3772870.17	0.00	0.00
DISCCART	465691.77	3772870.17	0.00	0.00
DISCCART	465696.16	3772870.17	0.00	0.00
DISCCART	465700.55	3772870.17	0.00	0.00
DISCCART	465704.94	3772870.17	0.00	0.00
DISCCART	465709.33	3772870.17	0.00	0.00
DISCCART	465713.72	3772870.17	0.00	0.00
DISCCART	465718.11	3772870.17	0.00	0.00
DISCCART	465630.31	3772873.41	0.00	0.00
DISCCART	465634.70	3772873.41	0.00	0.00
DISCCART	465639.09	3772873.41	0.00	0.00
DISCCART	465643.48	3772873.41	0.00	0.00
DISCCART	465647.87	3772873.41	0.00	0.00
DISCCART	465652.26	3772873.41	0.00	0.00
DISCCART	465656.65	3772873.41	0.00	0.00
DISCCART	465661.04	3772873.41	0.00	0.00
DISCCART	465665.43	3772873.41	0.00	0.00
DISCCART	465669.82	3772873.41	0.00	0.00
DISCCART	465674.21	3772873.41	0.00	0.00
DISCCART	465678.60	3772873.41	0.00	0.00
DISCCART	465682.99	3772873.41	0.00	0.00
DISCCART	465687.38	3772873.41	0.00	0.00
DISCCART	465691.77	3772873.41	0.00	0.00
DISCCART	465696.16	3772873.41	0.00	0.00
DISCCART	465700.55	3772873.41	0.00	0.00
DISCCART	465704.94	3772873.41	0.00	0.00
DISCCART	465709.33	3772873.41	0.00	0.00
DISCCART	465713.72	3772873.41	0.00	0.00
DISCCART	465718.11	3772873.41	0.00	0.00
DISCCART	465630.31	3772876.65	0.00	0.00
DISCCART	465634.70	3772876.65	0.00	0.00

				Rialto.ADI
DISCCART	465639.09	3772876.65	0.00	0.00
DISCCART	465643.48	3772876.65	0.00	0.00
DISCCART	465647.87	3772876.65	0.00	0.00
DISCCART	465652.26	3772876.65	0.00	0.00
DISCCART	465656.65	3772876.65	0.00	0.00
DISCCART	465661.04	3772876.65	0.00	0.00
DISCCART	465665.43	3772876.65	0.00	0.00
DISCCART	465669.82	3772876.65	0.00	0.00
DISCCART	465674.21	3772876.65	0.00	0.00
DISCCART	465678.60	3772876.65	0.00	0.00
DISCCART	465682.99	3772876.65	0.00	0.00
DISCCART	465687.38	3772876.65	0.00	0.00
DISCCART	465691.77	3772876.65	0.00	0.00
DISCCART	465696.16	3772876.65	0.00	0.00
DISCCART	465700.55	3772876.65	0.00	0.00
DISCCART	465704.94	3772876.65	0.00	0.00
DISCCART	465709.33	3772876.65	0.00	0.00
DISCCART	465713.72	3772876.65	0.00	0.00
DISCCART	465718.11	3772876.65	0.00	0.00
DISCCART	465630.31	3772879.89	0.00	0.00
DISCCART	465634.70	3772879.89	0.00	0.00
DISCCART	465639.09	3772879.89	0.00	0.00
DISCCART	465643.48	3772879.89	0.00	0.00
DISCCART	465647.87	3772879.89	0.00	0.00
DISCCART	465652.26	3772879.89	0.00	0.00
DISCCART	465656.65	3772879.89	0.00	0.00
DISCCART	465661.04	3772879.89	0.00	0.00
DISCCART	465665.43	3772879.89	0.00	0.00
DISCCART	465669.82	3772879.89	0.00	0.00
DISCCART	465674.21	3772879.89	0.00	0.00
DISCCART	465678.60	3772879.89	0.00	0.00
DISCCART	465682.99	3772879.89	0.00	0.00
DISCCART	465687.38	3772879.89	0.00	0.00
DISCCART	465691.77	3772879.89	0.00	0.00
DISCCART	465696.16	3772879.89	0.00	0.00
DISCCART	465700.55	3772879.89	0.00	0.00
DISCCART	465704.94	3772879.89	0.00	0.00
DISCCART	465709.33	3772879.89	0.00	0.00
DISCCART	465713.72	3772879.89	0.00	0.00
DISCCART	465718.11	3772879.89	0.00	0.00
DISCCART	465630.31	3772883.13	0.00	0.00
DISCCART	465634.70	3772883.13	0.00	0.00
DISCCART	465639.09	3772883.13	0.00	0.00
DISCCART	465643.48	3772883.13	0.00	0.00
DISCCART	465647.87	3772883.13	0.00	0.00
DISCCART	465652.26	3772883.13	0.00	0.00
DISCCART	465656.65	3772883.13	0.00	0.00
DISCCART	465661.04	3772883.13	0.00	0.00

DISCCART	465665.43	3772883.13	0.00	Rialto.ADI 0.00
DISCCART	465669.82	3772883.13	0.00	0.00
DISCCART	465674.21	3772883.13	0.00	0.00
DISCCART	465678.60	3772883.13	0.00	0.00
DISCCART	465682.99	3772883.13	0.00	0.00
DISCCART	465687.38	3772883.13	0.00	0.00
DISCCART	465691.77	3772883.13	0.00	0.00
DISCCART	465696.16	3772883.13	0.00	0.00
DISCCART	465700.55	3772883.13	0.00	0.00
DISCCART	465704.94	3772883.13	0.00	0.00
DISCCART	465709.33	3772883.13	0.00	0.00
DISCCART	465713.72	3772883.13	0.00	0.00
DISCCART	465718.11	3772883.13	0.00	0.00
DISCCART	465630.31	3772886.37	0.00	0.00
DISCCART	465634.70	3772886.37	0.00	0.00
DISCCART	465639.09	3772886.37	0.00	0.00
DISCCART	465643.48	3772886.37	0.00	0.00
DISCCART	465647.87	3772886.37	0.00	0.00
DISCCART	465652.26	3772886.37	0.00	0.00
DISCCART	465656.65	3772886.37	0.00	0.00
DISCCART	465661.04	3772886.37	0.00	0.00
DISCCART	465665.43	3772886.37	0.00	0.00
DISCCART	465669.82	3772886.37	0.00	0.00
DISCCART	465674.21	3772886.37	0.00	0.00
DISCCART	465678.60	3772886.37	0.00	0.00
DISCCART	465682.99	3772886.37	0.00	0.00
DISCCART	465687.38	3772886.37	0.00	0.00
DISCCART	465691.77	3772886.37	0.00	0.00
DISCCART	465696.16	3772886.37	0.00	0.00
DISCCART	465700.55	3772886.37	0.00	0.00
DISCCART	465704.94	3772886.37	0.00	0.00
DISCCART	465709.33	3772886.37	0.00	0.00
DISCCART	465713.72	3772886.37	0.00	0.00
DISCCART	465718.11	3772886.37	0.00	0.00
DISCCART	465630.31	3772889.61	0.00	0.00
DISCCART	465634.70	3772889.61	0.00	0.00
DISCCART	465639.09	3772889.61	0.00	0.00
DISCCART	465643.48	3772889.61	0.00	0.00
DISCCART	465647.87	3772889.61	0.00	0.00
DISCCART	465652.26	3772889.61	0.00	0.00
DISCCART	465656.65	3772889.61	0.00	0.00
DISCCART	465661.04	3772889.61	0.00	0.00
DISCCART	465665.43	3772889.61	0.00	0.00
DISCCART	465669.82	3772889.61	0.00	0.00
DISCCART	465674.21	3772889.61	0.00	0.00
DISCCART	465678.60	3772889.61	0.00	0.00
DISCCART	465682.99	3772889.61	0.00	0.00
DISCCART	465687.38	3772889.61	0.00	0.00

				Rialto.ADI
DISCCART	465691.77	3772889.61	0.00	0.00
DISCCART	465696.16	3772889.61	0.00	0.00
DISCCART	465700.55	3772889.61	0.00	0.00
DISCCART	465704.94	3772889.61	0.00	0.00
DISCCART	465709.33	3772889.61	0.00	0.00
DISCCART	465713.72	3772889.61	0.00	0.00
DISCCART	465718.11	3772889.61	0.00	0.00
DISCCART	465630.31	3772892.85	0.00	0.00
DISCCART	465634.70	3772892.85	0.00	0.00
DISCCART	465639.09	3772892.85	0.00	0.00
DISCCART	465643.48	3772892.85	0.00	0.00
DISCCART	465647.87	3772892.85	0.00	0.00
DISCCART	465652.26	3772892.85	0.00	0.00
DISCCART	465656.65	3772892.85	0.00	0.00
DISCCART	465661.04	3772892.85	0.00	0.00
DISCCART	465665.43	3772892.85	0.00	0.00
DISCCART	465669.82	3772892.85	0.00	0.00
DISCCART	465674.21	3772892.85	0.00	0.00
DISCCART	465678.60	3772892.85	0.00	0.00
DISCCART	465682.99	3772892.85	0.00	0.00
DISCCART	465687.38	3772892.85	0.00	0.00
DISCCART	465691.77	3772892.85	0.00	0.00
DISCCART	465696.16	3772892.85	0.00	0.00
DISCCART	465700.55	3772892.85	0.00	0.00
DISCCART	465704.94	3772892.85	0.00	0.00
DISCCART	465709.33	3772892.85	0.00	0.00
DISCCART	465713.72	3772892.85	0.00	0.00
DISCCART	465718.11	3772892.85	0.00	0.00
DISCCART	465630.31	3772896.09	0.00	0.00
DISCCART	465634.70	3772896.09	0.00	0.00
DISCCART	465639.09	3772896.09	0.00	0.00
DISCCART	465643.48	3772896.09	0.00	0.00
DISCCART	465647.87	3772896.09	0.00	0.00
DISCCART	465652.26	3772896.09	0.00	0.00
DISCCART	465656.65	3772896.09	0.00	0.00
DISCCART	465661.04	3772896.09	0.00	0.00
DISCCART	465665.43	3772896.09	0.00	0.00
DISCCART	465669.82	3772896.09	0.00	0.00
DISCCART	465674.21	3772896.09	0.00	0.00
DISCCART	465678.60	3772896.09	0.00	0.00
DISCCART	465682.99	3772896.09	0.00	0.00
DISCCART	465687.38	3772896.09	0.00	0.00
DISCCART	465691.77	3772896.09	0.00	0.00
DISCCART	465696.16	3772896.09	0.00	0.00
DISCCART	465700.55	3772896.09	0.00	0.00
DISCCART	465704.94	3772896.09	0.00	0.00
DISCCART	465709.33	3772896.09	0.00	0.00
DISCCART	465713.72	3772896.09	0.00	0.00

				Rialto.ADI
DISCCART	465718.11	3772896.09	0.00	0.00
DISCCART	465630.31	3772899.33	0.00	0.00
DISCCART	465634.70	3772899.33	0.00	0.00
DISCCART	465639.09	3772899.33	0.00	0.00
DISCCART	465643.48	3772899.33	0.00	0.00
DISCCART	465647.87	3772899.33	0.00	0.00
DISCCART	465652.26	3772899.33	0.00	0.00
DISCCART	465656.65	3772899.33	0.00	0.00
DISCCART	465661.04	3772899.33	0.00	0.00
DISCCART	465665.43	3772899.33	0.00	0.00
DISCCART	465669.82	3772899.33	0.00	0.00
DISCCART	465674.21	3772899.33	0.00	0.00
DISCCART	465678.60	3772899.33	0.00	0.00
DISCCART	465682.99	3772899.33	0.00	0.00
DISCCART	465687.38	3772899.33	0.00	0.00
DISCCART	465691.77	3772899.33	0.00	0.00
DISCCART	465696.16	3772899.33	0.00	0.00
DISCCART	465700.55	3772899.33	0.00	0.00
DISCCART	465704.94	3772899.33	0.00	0.00
DISCCART	465709.33	3772899.33	0.00	0.00
DISCCART	465713.72	3772899.33	0.00	0.00
DISCCART	465718.11	3772899.33	0.00	0.00
DISCCART	465630.31	3772902.57	0.00	0.00
DISCCART	465634.70	3772902.57	0.00	0.00
DISCCART	465639.09	3772902.57	0.00	0.00
DISCCART	465643.48	3772902.57	0.00	0.00
DISCCART	465647.87	3772902.57	0.00	0.00
DISCCART	465652.26	3772902.57	0.00	0.00
DISCCART	465656.65	3772902.57	0.00	0.00
DISCCART	465661.04	3772902.57	0.00	0.00
DISCCART	465665.43	3772902.57	0.00	0.00
DISCCART	465669.82	3772902.57	0.00	0.00
DISCCART	465674.21	3772902.57	0.00	0.00
DISCCART	465678.60	3772902.57	0.00	0.00
DISCCART	465682.99	3772902.57	0.00	0.00
DISCCART	465687.38	3772902.57	0.00	0.00
DISCCART	465691.77	3772902.57	0.00	0.00
DISCCART	465696.16	3772902.57	0.00	0.00
DISCCART	465700.55	3772902.57	0.00	0.00
DISCCART	465704.94	3772902.57	0.00	0.00
DISCCART	465709.33	3772902.57	0.00	0.00
DISCCART	465713.72	3772902.57	0.00	0.00
DISCCART	465718.11	3772902.57	0.00	0.00
DISCCART	465630.31	3772905.81	0.00	0.00
DISCCART	465634.70	3772905.81	0.00	0.00
DISCCART	465639.09	3772905.81	0.00	0.00
DISCCART	465643.48	3772905.81	0.00	0.00
DISCCART	465647.87	3772905.81	0.00	0.00

DISCCART	465652.26	3772905.81	0.00	Rialto.ADI	0.00
DISCCART	465656.65	3772905.81	0.00		0.00
DISCCART	465661.04	3772905.81	0.00		0.00
DISCCART	465665.43	3772905.81	0.00		0.00
DISCCART	465669.82	3772905.81	0.00		0.00
DISCCART	465674.21	3772905.81	0.00		0.00
DISCCART	465678.60	3772905.81	0.00		0.00
DISCCART	465682.99	3772905.81	0.00		0.00
DISCCART	465687.38	3772905.81	0.00		0.00
DISCCART	465691.77	3772905.81	0.00		0.00
DISCCART	465696.16	3772905.81	0.00		0.00
DISCCART	465700.55	3772905.81	0.00		0.00
DISCCART	465704.94	3772905.81	0.00		0.00
DISCCART	465709.33	3772905.81	0.00		0.00
DISCCART	465713.72	3772905.81	0.00		0.00
DISCCART	465718.11	3772905.81	0.00		0.00
DISCCART	465630.31	3772909.05	0.00		0.00
DISCCART	465634.70	3772909.05	0.00		0.00
DISCCART	465639.09	3772909.05	0.00		0.00
DISCCART	465643.48	3772909.05	0.00		0.00
DISCCART	465647.87	3772909.05	0.00		0.00
DISCCART	465652.26	3772909.05	0.00		0.00
DISCCART	465656.65	3772909.05	0.00		0.00
DISCCART	465661.04	3772909.05	0.00		0.00
DISCCART	465665.43	3772909.05	0.00		0.00
DISCCART	465669.82	3772909.05	0.00		0.00
DISCCART	465674.21	3772909.05	0.00		0.00
DISCCART	465678.60	3772909.05	0.00		0.00
DISCCART	465682.99	3772909.05	0.00		0.00
DISCCART	465687.38	3772909.05	0.00		0.00
DISCCART	465691.77	3772909.05	0.00		0.00
DISCCART	465696.16	3772909.05	0.00		0.00
DISCCART	465700.55	3772909.05	0.00		0.00
DISCCART	465704.94	3772909.05	0.00		0.00
DISCCART	465709.33	3772909.05	0.00		0.00
DISCCART	465713.72	3772909.05	0.00		0.00
DISCCART	465718.11	3772909.05	0.00		0.00
DISCCART	465630.31	3772912.29	0.00		0.00
DISCCART	465634.70	3772912.29	0.00		0.00
DISCCART	465639.09	3772912.29	0.00		0.00
DISCCART	465643.48	3772912.29	0.00		0.00
DISCCART	465647.87	3772912.29	0.00		0.00
DISCCART	465652.26	3772912.29	0.00		0.00
DISCCART	465656.65	3772912.29	0.00		0.00
DISCCART	465661.04	3772912.29	0.00		0.00
DISCCART	465665.43	3772912.29	0.00		0.00
DISCCART	465669.82	3772912.29	0.00		0.00
DISCCART	465674.21	3772912.29	0.00		0.00

				Rialto.ADI
DISCCART	465678.60	3772912.29	0.00	0.00
DISCCART	465682.99	3772912.29	0.00	0.00
DISCCART	465687.38	3772912.29	0.00	0.00
DISCCART	465691.77	3772912.29	0.00	0.00
DISCCART	465696.16	3772912.29	0.00	0.00
DISCCART	465700.55	3772912.29	0.00	0.00
DISCCART	465704.94	3772912.29	0.00	0.00
DISCCART	465709.33	3772912.29	0.00	0.00
DISCCART	465713.72	3772912.29	0.00	0.00
DISCCART	465718.11	3772912.29	0.00	0.00
DISCCART	465630.31	3772915.53	0.00	0.00
DISCCART	465634.70	3772915.53	0.00	0.00
DISCCART	465639.09	3772915.53	0.00	0.00
DISCCART	465643.48	3772915.53	0.00	0.00
DISCCART	465647.87	3772915.53	0.00	0.00
DISCCART	465652.26	3772915.53	0.00	0.00
DISCCART	465656.65	3772915.53	0.00	0.00
DISCCART	465661.04	3772915.53	0.00	0.00
DISCCART	465665.43	3772915.53	0.00	0.00
DISCCART	465669.82	3772915.53	0.00	0.00
DISCCART	465674.21	3772915.53	0.00	0.00
DISCCART	465678.60	3772915.53	0.00	0.00
DISCCART	465682.99	3772915.53	0.00	0.00
DISCCART	465687.38	3772915.53	0.00	0.00
DISCCART	465691.77	3772915.53	0.00	0.00
DISCCART	465696.16	3772915.53	0.00	0.00
DISCCART	465700.55	3772915.53	0.00	0.00
DISCCART	465704.94	3772915.53	0.00	0.00
DISCCART	465709.33	3772915.53	0.00	0.00
DISCCART	465713.72	3772915.53	0.00	0.00
DISCCART	465718.11	3772915.53	0.00	0.00

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE ..\snbo8.sfc

PROFFILE ..\snbo8.PFL

SURFDATA 0 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 305.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

```
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  RECTABLE 24 1ST
** Auto-Generated Plotfiles
  PLOTFILE 1 ALL 1ST Rialto.AD\01H1GALL.PLT 31
  PLOTFILE 24 ALL 1ST Rialto.AD\24H1GALL.PLT 32
  PLOTFILE 1 SLINE1 1ST Rialto.AD\01H1G001.PLT 33
  PLOTFILE 24 SLINE1 1ST Rialto.AD\24H1G001.PLT 34
  PLOTFILE 1 STCK1 1ST Rialto.AD\01H1G002.PLT 35
  PLOTFILE 24 STCK1 1ST Rialto.AD\24H1G002.PLT 36
  SUMMFILE Rialto.sum
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```



Rialto.ADO

```
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 12/22/2015
** File: H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Health Risk
Assessment\AERMOD\Rialto\Rialto.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal
MODELOPT DFAULT CONC
AVERTIME 1 24
URBANOPT 2015355
POLLUTID PM_2.5
RUNORNOT RUN
ERRORFIL Rialto.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Separated Volume Sources (2W)
** LINE VOLUME Source ID = SLINE1
** DESCRSRC train
** PREFIX
** Length of Side = 9.00
** Configuration = Separated 2w
** Emission Rate = 0.0028
** Vertical Dimension = 4.72
** SZINIT = 2.20
** Nodes = 2
** 466051.292, 3772958.406, 305.00, 4.72, 1.42
```

Rialto.ADO

\*\* 465278.065, 3772935.255, 305.00, 4.72, 1.42

\*\*

---

LOCATION	L0001054	VOLUME	466046.794	3772958.271	305.00
LOCATION	L0001055	VOLUME	466028.802	3772957.732	305.00
LOCATION	L0001056	VOLUME	466010.810	3772957.194	305.00
LOCATION	L0001057	VOLUME	465992.818	3772956.655	305.00
LOCATION	L0001058	VOLUME	465974.826	3772956.116	305.00
LOCATION	L0001059	VOLUME	465956.834	3772955.578	305.00
LOCATION	L0001060	VOLUME	465938.842	3772955.039	305.00
LOCATION	L0001061	VOLUME	465920.850	3772954.500	305.00
LOCATION	L0001062	VOLUME	465902.858	3772953.962	305.00
LOCATION	L0001063	VOLUME	465884.866	3772953.423	305.00
LOCATION	L0001064	VOLUME	465866.874	3772952.884	305.00
LOCATION	L0001065	VOLUME	465848.882	3772952.346	305.00
LOCATION	L0001066	VOLUME	465830.890	3772951.807	305.00
LOCATION	L0001067	VOLUME	465812.898	3772951.268	305.00
LOCATION	L0001068	VOLUME	465794.907	3772950.729	305.00
LOCATION	L0001069	VOLUME	465776.915	3772950.191	305.00
LOCATION	L0001070	VOLUME	465758.923	3772949.652	305.00
LOCATION	L0001071	VOLUME	465740.931	3772949.113	305.00
LOCATION	L0001072	VOLUME	465722.939	3772948.575	305.00
LOCATION	L0001073	VOLUME	465704.947	3772948.036	305.00
LOCATION	L0001074	VOLUME	465686.955	3772947.497	305.00
LOCATION	L0001075	VOLUME	465668.963	3772946.959	305.00
LOCATION	L0001076	VOLUME	465650.971	3772946.420	305.00
LOCATION	L0001077	VOLUME	465632.979	3772945.881	305.00
LOCATION	L0001078	VOLUME	465614.987	3772945.343	305.00
LOCATION	L0001079	VOLUME	465596.995	3772944.804	305.00
LOCATION	L0001080	VOLUME	465579.003	3772944.265	305.00
LOCATION	L0001081	VOLUME	465561.011	3772943.727	305.00
LOCATION	L0001082	VOLUME	465543.019	3772943.188	305.00
LOCATION	L0001083	VOLUME	465525.027	3772942.649	305.00
LOCATION	L0001084	VOLUME	465507.036	3772942.111	305.00
LOCATION	L0001085	VOLUME	465489.044	3772941.572	305.00
LOCATION	L0001086	VOLUME	465471.052	3772941.033	305.00
LOCATION	L0001087	VOLUME	465453.060	3772940.495	305.00
LOCATION	L0001088	VOLUME	465435.068	3772939.956	305.00
LOCATION	L0001089	VOLUME	465417.076	3772939.417	305.00
LOCATION	L0001090	VOLUME	465399.084	3772938.878	305.00
LOCATION	L0001091	VOLUME	465381.092	3772938.340	305.00
LOCATION	L0001092	VOLUME	465363.100	3772937.801	305.00
LOCATION	L0001093	VOLUME	465345.108	3772937.262	305.00
LOCATION	L0001094	VOLUME	465327.116	3772936.724	305.00
LOCATION	L0001095	VOLUME	465309.124	3772936.185	305.00
LOCATION	L0001096	VOLUME	465291.132	3772935.646	305.00
**	End of LINE	VOLUME	Source	ID = SLINE1	
**	LOCATION	STCK1	POINT	465564.930	3772944.240
**	DESCRSRC	Train	WB	Idle	305.000

				Rialto.ADO	
LOCATION STCK2	POINT	465807.290	3772951.220	305.000	
** DESCRSRC	Train EB	Idle			
** Source Parameters	**				
** LINE VOLUME	Source ID =	SLINE1			
SRCPARAM	L0001054	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001055	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001056	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001057	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001058	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001059	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001060	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001061	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001062	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001063	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001064	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001065	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001066	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001067	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001068	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001069	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001070	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001071	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001072	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001073	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001074	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001075	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001076	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001077	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001078	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001079	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001080	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001081	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001082	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001083	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001084	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001085	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001086	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001087	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001088	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001089	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001090	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001091	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001092	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001093	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001094	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001095	0.0000651163	4.72	1.42	2.20
SRCPARAM	L0001096	0.0000651163	4.72	1.42	2.20
**	-----				

```

                                Rialto.ADO
SRCPARAM STCK1          0.0011    4.720    351.000    3.73000    0.666
SRCPARAM STCK2          0.0011    4.720    351.000    3.73000    0.666
URBANSRC ALL
SRCGROUP SLINE1    L0001054 L0001055 L0001056 L0001057 L0001058 L0001059
SRCGROUP SLINE1    L0001060 L0001061 L0001062 L0001063 L0001064 L0001065
SRCGROUP SLINE1    L0001066 L0001067 L0001068 L0001069 L0001070 L0001071
SRCGROUP SLINE1    L0001072 L0001073 L0001074 L0001075 L0001076 L0001077
SRCGROUP SLINE1    L0001078 L0001079 L0001080 L0001081 L0001082 L0001083
SRCGROUP SLINE1    L0001084 L0001085 L0001086 L0001087 L0001088 L0001089
SRCGROUP SLINE1    L0001090 L0001091 L0001092 L0001093 L0001094 L0001095
SRCGROUP SLINE1    L0001096
SRCGROUP STCK1     STCK1
SRCGROUP ALL

```

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

\*\* DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"

DISCCART	465630.31	3772850.73	0.00	0.00
DISCCART	465634.70	3772850.73	0.00	0.00
DISCCART	465639.09	3772850.73	0.00	0.00
DISCCART	465643.48	3772850.73	0.00	0.00
DISCCART	465647.87	3772850.73	0.00	0.00
DISCCART	465652.26	3772850.73	0.00	0.00
DISCCART	465656.65	3772850.73	0.00	0.00
DISCCART	465661.04	3772850.73	0.00	0.00
DISCCART	465665.43	3772850.73	0.00	0.00
DISCCART	465669.82	3772850.73	0.00	0.00
DISCCART	465674.21	3772850.73	0.00	0.00
DISCCART	465678.60	3772850.73	0.00	0.00
DISCCART	465682.99	3772850.73	0.00	0.00
DISCCART	465687.38	3772850.73	0.00	0.00
DISCCART	465691.77	3772850.73	0.00	0.00
DISCCART	465696.16	3772850.73	0.00	0.00
DISCCART	465700.55	3772850.73	0.00	0.00
DISCCART	465704.94	3772850.73	0.00	0.00
DISCCART	465709.33	3772850.73	0.00	0.00
DISCCART	465713.72	3772850.73	0.00	0.00
DISCCART	465718.11	3772850.73	0.00	0.00
DISCCART	465630.31	3772853.97	0.00	0.00
DISCCART	465634.70	3772853.97	0.00	0.00
DISCCART	465639.09	3772853.97	0.00	0.00
DISCCART	465643.48	3772853.97	0.00	0.00
DISCCART	465647.87	3772853.97	0.00	0.00

				Rialto.ADO
DISCCART	465652.26	3772853.97	0.00	0.00
DISCCART	465656.65	3772853.97	0.00	0.00
DISCCART	465661.04	3772853.97	0.00	0.00
DISCCART	465665.43	3772853.97	0.00	0.00
DISCCART	465669.82	3772853.97	0.00	0.00
DISCCART	465674.21	3772853.97	0.00	0.00
DISCCART	465678.60	3772853.97	0.00	0.00
DISCCART	465682.99	3772853.97	0.00	0.00
DISCCART	465687.38	3772853.97	0.00	0.00
DISCCART	465691.77	3772853.97	0.00	0.00
DISCCART	465696.16	3772853.97	0.00	0.00
DISCCART	465700.55	3772853.97	0.00	0.00
DISCCART	465704.94	3772853.97	0.00	0.00
DISCCART	465709.33	3772853.97	0.00	0.00
DISCCART	465713.72	3772853.97	0.00	0.00
DISCCART	465718.11	3772853.97	0.00	0.00
DISCCART	465630.31	3772857.21	0.00	0.00
DISCCART	465634.70	3772857.21	0.00	0.00
DISCCART	465639.09	3772857.21	0.00	0.00
DISCCART	465643.48	3772857.21	0.00	0.00
DISCCART	465647.87	3772857.21	0.00	0.00
DISCCART	465652.26	3772857.21	0.00	0.00
DISCCART	465656.65	3772857.21	0.00	0.00
DISCCART	465661.04	3772857.21	0.00	0.00
DISCCART	465665.43	3772857.21	0.00	0.00
DISCCART	465669.82	3772857.21	0.00	0.00
DISCCART	465674.21	3772857.21	0.00	0.00
DISCCART	465678.60	3772857.21	0.00	0.00
DISCCART	465682.99	3772857.21	0.00	0.00
DISCCART	465687.38	3772857.21	0.00	0.00
DISCCART	465691.77	3772857.21	0.00	0.00
DISCCART	465696.16	3772857.21	0.00	0.00
DISCCART	465700.55	3772857.21	0.00	0.00
DISCCART	465704.94	3772857.21	0.00	0.00
DISCCART	465709.33	3772857.21	0.00	0.00
DISCCART	465713.72	3772857.21	0.00	0.00
DISCCART	465718.11	3772857.21	0.00	0.00
DISCCART	465630.31	3772860.45	0.00	0.00
DISCCART	465634.70	3772860.45	0.00	0.00
DISCCART	465639.09	3772860.45	0.00	0.00
DISCCART	465643.48	3772860.45	0.00	0.00
DISCCART	465647.87	3772860.45	0.00	0.00
DISCCART	465652.26	3772860.45	0.00	0.00
DISCCART	465656.65	3772860.45	0.00	0.00
DISCCART	465661.04	3772860.45	0.00	0.00
DISCCART	465665.43	3772860.45	0.00	0.00
DISCCART	465669.82	3772860.45	0.00	0.00
DISCCART	465674.21	3772860.45	0.00	0.00

				Rialto.ADO
DISCCART	465678.60	3772860.45	0.00	0.00
DISCCART	465682.99	3772860.45	0.00	0.00
DISCCART	465687.38	3772860.45	0.00	0.00
DISCCART	465691.77	3772860.45	0.00	0.00
DISCCART	465696.16	3772860.45	0.00	0.00
DISCCART	465700.55	3772860.45	0.00	0.00
DISCCART	465704.94	3772860.45	0.00	0.00
DISCCART	465709.33	3772860.45	0.00	0.00
DISCCART	465713.72	3772860.45	0.00	0.00
DISCCART	465718.11	3772860.45	0.00	0.00
DISCCART	465630.31	3772863.69	0.00	0.00
DISCCART	465634.70	3772863.69	0.00	0.00
DISCCART	465639.09	3772863.69	0.00	0.00
DISCCART	465643.48	3772863.69	0.00	0.00
DISCCART	465647.87	3772863.69	0.00	0.00
DISCCART	465652.26	3772863.69	0.00	0.00
DISCCART	465656.65	3772863.69	0.00	0.00
DISCCART	465661.04	3772863.69	0.00	0.00
DISCCART	465665.43	3772863.69	0.00	0.00
DISCCART	465669.82	3772863.69	0.00	0.00
DISCCART	465674.21	3772863.69	0.00	0.00
DISCCART	465678.60	3772863.69	0.00	0.00
DISCCART	465682.99	3772863.69	0.00	0.00
DISCCART	465687.38	3772863.69	0.00	0.00
DISCCART	465691.77	3772863.69	0.00	0.00
DISCCART	465696.16	3772863.69	0.00	0.00
DISCCART	465700.55	3772863.69	0.00	0.00
DISCCART	465704.94	3772863.69	0.00	0.00
DISCCART	465709.33	3772863.69	0.00	0.00
DISCCART	465713.72	3772863.69	0.00	0.00
DISCCART	465718.11	3772863.69	0.00	0.00
DISCCART	465630.31	3772866.93	0.00	0.00
DISCCART	465634.70	3772866.93	0.00	0.00
DISCCART	465639.09	3772866.93	0.00	0.00
DISCCART	465643.48	3772866.93	0.00	0.00
DISCCART	465647.87	3772866.93	0.00	0.00
DISCCART	465652.26	3772866.93	0.00	0.00
DISCCART	465656.65	3772866.93	0.00	0.00
DISCCART	465661.04	3772866.93	0.00	0.00
DISCCART	465665.43	3772866.93	0.00	0.00
DISCCART	465669.82	3772866.93	0.00	0.00
DISCCART	465674.21	3772866.93	0.00	0.00
DISCCART	465678.60	3772866.93	0.00	0.00
DISCCART	465682.99	3772866.93	0.00	0.00
DISCCART	465687.38	3772866.93	0.00	0.00
DISCCART	465691.77	3772866.93	0.00	0.00
DISCCART	465696.16	3772866.93	0.00	0.00
DISCCART	465700.55	3772866.93	0.00	0.00

				Rialto.ADO
DISCCART	465704.94	3772866.93	0.00	0.00
DISCCART	465709.33	3772866.93	0.00	0.00
DISCCART	465713.72	3772866.93	0.00	0.00
DISCCART	465718.11	3772866.93	0.00	0.00
DISCCART	465630.31	3772870.17	0.00	0.00
DISCCART	465634.70	3772870.17	0.00	0.00
DISCCART	465639.09	3772870.17	0.00	0.00
DISCCART	465643.48	3772870.17	0.00	0.00
DISCCART	465647.87	3772870.17	0.00	0.00
DISCCART	465652.26	3772870.17	0.00	0.00
DISCCART	465656.65	3772870.17	0.00	0.00
DISCCART	465661.04	3772870.17	0.00	0.00
DISCCART	465665.43	3772870.17	0.00	0.00
DISCCART	465669.82	3772870.17	0.00	0.00
DISCCART	465674.21	3772870.17	0.00	0.00
DISCCART	465678.60	3772870.17	0.00	0.00
DISCCART	465682.99	3772870.17	0.00	0.00
DISCCART	465687.38	3772870.17	0.00	0.00
DISCCART	465691.77	3772870.17	0.00	0.00
DISCCART	465696.16	3772870.17	0.00	0.00
DISCCART	465700.55	3772870.17	0.00	0.00
DISCCART	465704.94	3772870.17	0.00	0.00
DISCCART	465709.33	3772870.17	0.00	0.00
DISCCART	465713.72	3772870.17	0.00	0.00
DISCCART	465718.11	3772870.17	0.00	0.00
DISCCART	465630.31	3772873.41	0.00	0.00
DISCCART	465634.70	3772873.41	0.00	0.00
DISCCART	465639.09	3772873.41	0.00	0.00
DISCCART	465643.48	3772873.41	0.00	0.00
DISCCART	465647.87	3772873.41	0.00	0.00
DISCCART	465652.26	3772873.41	0.00	0.00
DISCCART	465656.65	3772873.41	0.00	0.00
DISCCART	465661.04	3772873.41	0.00	0.00
DISCCART	465665.43	3772873.41	0.00	0.00
DISCCART	465669.82	3772873.41	0.00	0.00
DISCCART	465674.21	3772873.41	0.00	0.00
DISCCART	465678.60	3772873.41	0.00	0.00
DISCCART	465682.99	3772873.41	0.00	0.00
DISCCART	465687.38	3772873.41	0.00	0.00
DISCCART	465691.77	3772873.41	0.00	0.00
DISCCART	465696.16	3772873.41	0.00	0.00
DISCCART	465700.55	3772873.41	0.00	0.00
DISCCART	465704.94	3772873.41	0.00	0.00
DISCCART	465709.33	3772873.41	0.00	0.00
DISCCART	465713.72	3772873.41	0.00	0.00
DISCCART	465718.11	3772873.41	0.00	0.00
DISCCART	465630.31	3772876.65	0.00	0.00
DISCCART	465634.70	3772876.65	0.00	0.00

				Rialto.ADO
DISCCART	465639.09	3772876.65	0.00	0.00
DISCCART	465643.48	3772876.65	0.00	0.00
DISCCART	465647.87	3772876.65	0.00	0.00
DISCCART	465652.26	3772876.65	0.00	0.00
DISCCART	465656.65	3772876.65	0.00	0.00
DISCCART	465661.04	3772876.65	0.00	0.00
DISCCART	465665.43	3772876.65	0.00	0.00
DISCCART	465669.82	3772876.65	0.00	0.00
DISCCART	465674.21	3772876.65	0.00	0.00
DISCCART	465678.60	3772876.65	0.00	0.00
DISCCART	465682.99	3772876.65	0.00	0.00
DISCCART	465687.38	3772876.65	0.00	0.00
DISCCART	465691.77	3772876.65	0.00	0.00
DISCCART	465696.16	3772876.65	0.00	0.00
DISCCART	465700.55	3772876.65	0.00	0.00
DISCCART	465704.94	3772876.65	0.00	0.00
DISCCART	465709.33	3772876.65	0.00	0.00
DISCCART	465713.72	3772876.65	0.00	0.00
DISCCART	465718.11	3772876.65	0.00	0.00
DISCCART	465630.31	3772879.89	0.00	0.00
DISCCART	465634.70	3772879.89	0.00	0.00
DISCCART	465639.09	3772879.89	0.00	0.00
DISCCART	465643.48	3772879.89	0.00	0.00
DISCCART	465647.87	3772879.89	0.00	0.00
DISCCART	465652.26	3772879.89	0.00	0.00
DISCCART	465656.65	3772879.89	0.00	0.00
DISCCART	465661.04	3772879.89	0.00	0.00
DISCCART	465665.43	3772879.89	0.00	0.00
DISCCART	465669.82	3772879.89	0.00	0.00
DISCCART	465674.21	3772879.89	0.00	0.00
DISCCART	465678.60	3772879.89	0.00	0.00
DISCCART	465682.99	3772879.89	0.00	0.00
DISCCART	465687.38	3772879.89	0.00	0.00
DISCCART	465691.77	3772879.89	0.00	0.00
DISCCART	465696.16	3772879.89	0.00	0.00
DISCCART	465700.55	3772879.89	0.00	0.00
DISCCART	465704.94	3772879.89	0.00	0.00
DISCCART	465709.33	3772879.89	0.00	0.00
DISCCART	465713.72	3772879.89	0.00	0.00
DISCCART	465718.11	3772879.89	0.00	0.00
DISCCART	465630.31	3772883.13	0.00	0.00
DISCCART	465634.70	3772883.13	0.00	0.00
DISCCART	465639.09	3772883.13	0.00	0.00
DISCCART	465643.48	3772883.13	0.00	0.00
DISCCART	465647.87	3772883.13	0.00	0.00
DISCCART	465652.26	3772883.13	0.00	0.00
DISCCART	465656.65	3772883.13	0.00	0.00
DISCCART	465661.04	3772883.13	0.00	0.00



				Rialto.ADO
DISCCART	465665.43	3772883.13	0.00	0.00
DISCCART	465669.82	3772883.13	0.00	0.00
DISCCART	465674.21	3772883.13	0.00	0.00
DISCCART	465678.60	3772883.13	0.00	0.00
DISCCART	465682.99	3772883.13	0.00	0.00
DISCCART	465687.38	3772883.13	0.00	0.00
DISCCART	465691.77	3772883.13	0.00	0.00
DISCCART	465696.16	3772883.13	0.00	0.00
DISCCART	465700.55	3772883.13	0.00	0.00
DISCCART	465704.94	3772883.13	0.00	0.00
DISCCART	465709.33	3772883.13	0.00	0.00
DISCCART	465713.72	3772883.13	0.00	0.00
DISCCART	465718.11	3772883.13	0.00	0.00
DISCCART	465630.31	3772886.37	0.00	0.00
DISCCART	465634.70	3772886.37	0.00	0.00
DISCCART	465639.09	3772886.37	0.00	0.00
DISCCART	465643.48	3772886.37	0.00	0.00
DISCCART	465647.87	3772886.37	0.00	0.00
DISCCART	465652.26	3772886.37	0.00	0.00
DISCCART	465656.65	3772886.37	0.00	0.00
DISCCART	465661.04	3772886.37	0.00	0.00
DISCCART	465665.43	3772886.37	0.00	0.00
DISCCART	465669.82	3772886.37	0.00	0.00
DISCCART	465674.21	3772886.37	0.00	0.00
DISCCART	465678.60	3772886.37	0.00	0.00
DISCCART	465682.99	3772886.37	0.00	0.00
DISCCART	465687.38	3772886.37	0.00	0.00
DISCCART	465691.77	3772886.37	0.00	0.00
DISCCART	465696.16	3772886.37	0.00	0.00
DISCCART	465700.55	3772886.37	0.00	0.00
DISCCART	465704.94	3772886.37	0.00	0.00
DISCCART	465709.33	3772886.37	0.00	0.00
DISCCART	465713.72	3772886.37	0.00	0.00
DISCCART	465718.11	3772886.37	0.00	0.00
DISCCART	465630.31	3772889.61	0.00	0.00
DISCCART	465634.70	3772889.61	0.00	0.00
DISCCART	465639.09	3772889.61	0.00	0.00
DISCCART	465643.48	3772889.61	0.00	0.00
DISCCART	465647.87	3772889.61	0.00	0.00
DISCCART	465652.26	3772889.61	0.00	0.00
DISCCART	465656.65	3772889.61	0.00	0.00
DISCCART	465661.04	3772889.61	0.00	0.00
DISCCART	465665.43	3772889.61	0.00	0.00
DISCCART	465669.82	3772889.61	0.00	0.00
DISCCART	465674.21	3772889.61	0.00	0.00
DISCCART	465678.60	3772889.61	0.00	0.00
DISCCART	465682.99	3772889.61	0.00	0.00
DISCCART	465687.38	3772889.61	0.00	0.00

DISCCART	465691.77	3772889.61	0.00	Rialto.ADO 0.00
DISCCART	465696.16	3772889.61	0.00	0.00
DISCCART	465700.55	3772889.61	0.00	0.00
DISCCART	465704.94	3772889.61	0.00	0.00
DISCCART	465709.33	3772889.61	0.00	0.00
DISCCART	465713.72	3772889.61	0.00	0.00
DISCCART	465718.11	3772889.61	0.00	0.00
DISCCART	465630.31	3772892.85	0.00	0.00
DISCCART	465634.70	3772892.85	0.00	0.00
DISCCART	465639.09	3772892.85	0.00	0.00
DISCCART	465643.48	3772892.85	0.00	0.00
DISCCART	465647.87	3772892.85	0.00	0.00
DISCCART	465652.26	3772892.85	0.00	0.00
DISCCART	465656.65	3772892.85	0.00	0.00
DISCCART	465661.04	3772892.85	0.00	0.00
DISCCART	465665.43	3772892.85	0.00	0.00
DISCCART	465669.82	3772892.85	0.00	0.00
DISCCART	465674.21	3772892.85	0.00	0.00
DISCCART	465678.60	3772892.85	0.00	0.00
DISCCART	465682.99	3772892.85	0.00	0.00
DISCCART	465687.38	3772892.85	0.00	0.00
DISCCART	465691.77	3772892.85	0.00	0.00
DISCCART	465696.16	3772892.85	0.00	0.00
DISCCART	465700.55	3772892.85	0.00	0.00
DISCCART	465704.94	3772892.85	0.00	0.00
DISCCART	465709.33	3772892.85	0.00	0.00
DISCCART	465713.72	3772892.85	0.00	0.00
DISCCART	465718.11	3772892.85	0.00	0.00
DISCCART	465630.31	3772896.09	0.00	0.00
DISCCART	465634.70	3772896.09	0.00	0.00
DISCCART	465639.09	3772896.09	0.00	0.00
DISCCART	465643.48	3772896.09	0.00	0.00
DISCCART	465647.87	3772896.09	0.00	0.00
DISCCART	465652.26	3772896.09	0.00	0.00
DISCCART	465656.65	3772896.09	0.00	0.00
DISCCART	465661.04	3772896.09	0.00	0.00
DISCCART	465665.43	3772896.09	0.00	0.00
DISCCART	465669.82	3772896.09	0.00	0.00
DISCCART	465674.21	3772896.09	0.00	0.00
DISCCART	465678.60	3772896.09	0.00	0.00
DISCCART	465682.99	3772896.09	0.00	0.00
DISCCART	465687.38	3772896.09	0.00	0.00
DISCCART	465691.77	3772896.09	0.00	0.00
DISCCART	465696.16	3772896.09	0.00	0.00
DISCCART	465700.55	3772896.09	0.00	0.00
DISCCART	465704.94	3772896.09	0.00	0.00
DISCCART	465709.33	3772896.09	0.00	0.00
DISCCART	465713.72	3772896.09	0.00	0.00

				Rialto.ADO
DISCCART	465718.11	3772896.09	0.00	0.00
DISCCART	465630.31	3772899.33	0.00	0.00
DISCCART	465634.70	3772899.33	0.00	0.00
DISCCART	465639.09	3772899.33	0.00	0.00
DISCCART	465643.48	3772899.33	0.00	0.00
DISCCART	465647.87	3772899.33	0.00	0.00
DISCCART	465652.26	3772899.33	0.00	0.00
DISCCART	465656.65	3772899.33	0.00	0.00
DISCCART	465661.04	3772899.33	0.00	0.00
DISCCART	465665.43	3772899.33	0.00	0.00
DISCCART	465669.82	3772899.33	0.00	0.00
DISCCART	465674.21	3772899.33	0.00	0.00
DISCCART	465678.60	3772899.33	0.00	0.00
DISCCART	465682.99	3772899.33	0.00	0.00
DISCCART	465687.38	3772899.33	0.00	0.00
DISCCART	465691.77	3772899.33	0.00	0.00
DISCCART	465696.16	3772899.33	0.00	0.00
DISCCART	465700.55	3772899.33	0.00	0.00
DISCCART	465704.94	3772899.33	0.00	0.00
DISCCART	465709.33	3772899.33	0.00	0.00
DISCCART	465713.72	3772899.33	0.00	0.00
DISCCART	465718.11	3772899.33	0.00	0.00
DISCCART	465630.31	3772902.57	0.00	0.00
DISCCART	465634.70	3772902.57	0.00	0.00
DISCCART	465639.09	3772902.57	0.00	0.00
DISCCART	465643.48	3772902.57	0.00	0.00
DISCCART	465647.87	3772902.57	0.00	0.00
DISCCART	465652.26	3772902.57	0.00	0.00
DISCCART	465656.65	3772902.57	0.00	0.00
DISCCART	465661.04	3772902.57	0.00	0.00
DISCCART	465665.43	3772902.57	0.00	0.00
DISCCART	465669.82	3772902.57	0.00	0.00
DISCCART	465674.21	3772902.57	0.00	0.00
DISCCART	465678.60	3772902.57	0.00	0.00
DISCCART	465682.99	3772902.57	0.00	0.00
DISCCART	465687.38	3772902.57	0.00	0.00
DISCCART	465691.77	3772902.57	0.00	0.00
DISCCART	465696.16	3772902.57	0.00	0.00
DISCCART	465700.55	3772902.57	0.00	0.00
DISCCART	465704.94	3772902.57	0.00	0.00
DISCCART	465709.33	3772902.57	0.00	0.00
DISCCART	465713.72	3772902.57	0.00	0.00
DISCCART	465718.11	3772902.57	0.00	0.00
DISCCART	465630.31	3772905.81	0.00	0.00
DISCCART	465634.70	3772905.81	0.00	0.00
DISCCART	465639.09	3772905.81	0.00	0.00
DISCCART	465643.48	3772905.81	0.00	0.00
DISCCART	465647.87	3772905.81	0.00	0.00

				Rialto.ADO
DISCCART	465652.26	3772905.81	0.00	0.00
DISCCART	465656.65	3772905.81	0.00	0.00
DISCCART	465661.04	3772905.81	0.00	0.00
DISCCART	465665.43	3772905.81	0.00	0.00
DISCCART	465669.82	3772905.81	0.00	0.00
DISCCART	465674.21	3772905.81	0.00	0.00
DISCCART	465678.60	3772905.81	0.00	0.00
DISCCART	465682.99	3772905.81	0.00	0.00
DISCCART	465687.38	3772905.81	0.00	0.00
DISCCART	465691.77	3772905.81	0.00	0.00
DISCCART	465696.16	3772905.81	0.00	0.00
DISCCART	465700.55	3772905.81	0.00	0.00
DISCCART	465704.94	3772905.81	0.00	0.00
DISCCART	465709.33	3772905.81	0.00	0.00
DISCCART	465713.72	3772905.81	0.00	0.00
DISCCART	465718.11	3772905.81	0.00	0.00
DISCCART	465630.31	3772909.05	0.00	0.00
DISCCART	465634.70	3772909.05	0.00	0.00
DISCCART	465639.09	3772909.05	0.00	0.00
DISCCART	465643.48	3772909.05	0.00	0.00
DISCCART	465647.87	3772909.05	0.00	0.00
DISCCART	465652.26	3772909.05	0.00	0.00
DISCCART	465656.65	3772909.05	0.00	0.00
DISCCART	465661.04	3772909.05	0.00	0.00
DISCCART	465665.43	3772909.05	0.00	0.00
DISCCART	465669.82	3772909.05	0.00	0.00
DISCCART	465674.21	3772909.05	0.00	0.00
DISCCART	465678.60	3772909.05	0.00	0.00
DISCCART	465682.99	3772909.05	0.00	0.00
DISCCART	465687.38	3772909.05	0.00	0.00
DISCCART	465691.77	3772909.05	0.00	0.00
DISCCART	465696.16	3772909.05	0.00	0.00
DISCCART	465700.55	3772909.05	0.00	0.00
DISCCART	465704.94	3772909.05	0.00	0.00
DISCCART	465709.33	3772909.05	0.00	0.00
DISCCART	465713.72	3772909.05	0.00	0.00
DISCCART	465718.11	3772909.05	0.00	0.00
DISCCART	465630.31	3772912.29	0.00	0.00
DISCCART	465634.70	3772912.29	0.00	0.00
DISCCART	465639.09	3772912.29	0.00	0.00
DISCCART	465643.48	3772912.29	0.00	0.00
DISCCART	465647.87	3772912.29	0.00	0.00
DISCCART	465652.26	3772912.29	0.00	0.00
DISCCART	465656.65	3772912.29	0.00	0.00
DISCCART	465661.04	3772912.29	0.00	0.00
DISCCART	465665.43	3772912.29	0.00	0.00
DISCCART	465669.82	3772912.29	0.00	0.00
DISCCART	465674.21	3772912.29	0.00	0.00

				Rialto.ADO
DISCCART	465678.60	3772912.29	0.00	0.00
DISCCART	465682.99	3772912.29	0.00	0.00
DISCCART	465687.38	3772912.29	0.00	0.00
DISCCART	465691.77	3772912.29	0.00	0.00
DISCCART	465696.16	3772912.29	0.00	0.00
DISCCART	465700.55	3772912.29	0.00	0.00
DISCCART	465704.94	3772912.29	0.00	0.00
DISCCART	465709.33	3772912.29	0.00	0.00
DISCCART	465713.72	3772912.29	0.00	0.00
DISCCART	465718.11	3772912.29	0.00	0.00
DISCCART	465630.31	3772915.53	0.00	0.00
DISCCART	465634.70	3772915.53	0.00	0.00
DISCCART	465639.09	3772915.53	0.00	0.00
DISCCART	465643.48	3772915.53	0.00	0.00
DISCCART	465647.87	3772915.53	0.00	0.00
DISCCART	465652.26	3772915.53	0.00	0.00
DISCCART	465656.65	3772915.53	0.00	0.00
DISCCART	465661.04	3772915.53	0.00	0.00
DISCCART	465665.43	3772915.53	0.00	0.00
DISCCART	465669.82	3772915.53	0.00	0.00
DISCCART	465674.21	3772915.53	0.00	0.00
DISCCART	465678.60	3772915.53	0.00	0.00
DISCCART	465682.99	3772915.53	0.00	0.00
DISCCART	465687.38	3772915.53	0.00	0.00
DISCCART	465691.77	3772915.53	0.00	0.00
DISCCART	465696.16	3772915.53	0.00	0.00
DISCCART	465700.55	3772915.53	0.00	0.00
DISCCART	465704.94	3772915.53	0.00	0.00
DISCCART	465709.33	3772915.53	0.00	0.00
DISCCART	465713.72	3772915.53	0.00	0.00
DISCCART	465718.11	3772915.53	0.00	0.00

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE ..\snbo8.sfc

PROFFILE ..\snbo8.PFL

SURFDATA 0 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 305.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 24 1ST

\*\* Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST Rialto.AD\01H1GALL.PLT 31

PLOTFILE 24 ALL 1ST Rialto.AD\24H1GALL.PLT 32

PLOTFILE 1 SLINE1 1ST Rialto.AD\01H1G001.PLT 33

PLOTFILE 24 SLINE1 1ST Rialto.AD\24H1G001.PLT 34

PLOTFILE 1 STCK1 1ST Rialto.AD\01H1G002.PLT 35

PLOTFILE 24 STCK1 1ST Rialto.AD\24H1G002.PLT 36

SUMMFILE Rialto.sum

OU FINISHED

\*\*\*\*\*

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

\*\*\*\*\*

□ \*\*\* AERMOD - VERSION 15181 \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
\*\*\* 12/22/15  
\*\*\* AERMET - VERSION 14134 \*\*\*  
\*\*\* 09:16:37

PAGE 1

\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* 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 URBAN Dispersion Algorithm for the SBL for 45 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2015355.0 ; Urban Roughness Length = 1.000 m

\*\*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.
6. Urban Roughness Length of 1.0 Meter Assumed.

**\*\*Other Options Specified:**

TEMP\_Sub - Meteorological data includes TEMP substitutions

**\*\*Model Assumes No FLAGPOLE Receptor Heights.**

**\*\*The User Specified a Pollutant Type of: PM<sub>2.5</sub>**

**\*\*Model Calculates 2 Short Term Average(s) of: 1-HR 24-HR**

**\*\*This Run Includes: 45 Source(s); 3 Source Group(s); and 441 Receptor(s)**

with: 2 POINT(s), including  
 0 POINTCAP(s) and 0 POINTHOR(s)  
 and: 43 VOLUME source(s)  
 and: 0 AREA type source(s)  
 and: 0 LINE source(s)  
 and: 0 OPENPIT source(s)

**\*\*Model Set To Continue RUNNING After the Setup Testing.**

**\*\*The AERMET Input Meteorological Data Version Date: 14134**

**\*\*Output Options Selected:**

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)  
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)  
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**\*\*Misc. Inputs:** Base Elev. for Pot. Temp. Profile (m MSL) = 305.00 ; 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 = 3.6 MB of RAM.**

**\*\*Detailed Error/Message File: Rialto.err**

\*\*File for Summary of Results: Rialto.sum

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 2

\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* POINT SOURCE DATA \*\*\*

URBAN	CAP/ SOURCE	NUMBER EMIS RATE	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS
	SCALAR ID	CATS. VARY BY									

STCK1		0	0.11000E-02	465564.9	3772944.2	305.0	4.72	351.00	3.73	0.67	NO
YES	NO										
STCK2		0	0.11000E-02	465807.3	3772951.2	305.0	4.72	351.00	3.73	0.67	NO
YES	NO										

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 3

\*\*MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

RATE	SOURCE	NUMBER EMIS RATE	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION SCALAR BY
	SCALAR ID	CATS. VARY BY									

L0001054		0	0.65116E-04	466046.8	3772958.3	305.0	4.72	1.42	2.20	YES	
L0001055		0	0.65116E-04	466028.8	3772957.7	305.0	4.72	1.42	2.20	YES	
L0001056		0	0.65116E-04	466010.8	3772957.2	305.0	4.72	1.42	2.20	YES	



Rialto.ADO

L0001057	0	0.65116E-04	465992.8	3772956.7	305.0	4.72	1.42	2.20	YES
L0001058	0	0.65116E-04	465974.8	3772956.1	305.0	4.72	1.42	2.20	YES
L0001059	0	0.65116E-04	465956.8	3772955.6	305.0	4.72	1.42	2.20	YES
L0001060	0	0.65116E-04	465938.8	3772955.0	305.0	4.72	1.42	2.20	YES
L0001061	0	0.65116E-04	465920.8	3772954.5	305.0	4.72	1.42	2.20	YES
L0001062	0	0.65116E-04	465902.9	3772954.0	305.0	4.72	1.42	2.20	YES
L0001063	0	0.65116E-04	465884.9	3772953.4	305.0	4.72	1.42	2.20	YES
L0001064	0	0.65116E-04	465866.9	3772952.9	305.0	4.72	1.42	2.20	YES
L0001065	0	0.65116E-04	465848.9	3772952.3	305.0	4.72	1.42	2.20	YES
L0001066	0	0.65116E-04	465830.9	3772951.8	305.0	4.72	1.42	2.20	YES
L0001067	0	0.65116E-04	465812.9	3772951.3	305.0	4.72	1.42	2.20	YES
L0001068	0	0.65116E-04	465794.9	3772950.7	305.0	4.72	1.42	2.20	YES
L0001069	0	0.65116E-04	465776.9	3772950.2	305.0	4.72	1.42	2.20	YES
L0001070	0	0.65116E-04	465758.9	3772949.7	305.0	4.72	1.42	2.20	YES
L0001071	0	0.65116E-04	465740.9	3772949.1	305.0	4.72	1.42	2.20	YES
L0001072	0	0.65116E-04	465722.9	3772948.6	305.0	4.72	1.42	2.20	YES
L0001073	0	0.65116E-04	465704.9	3772948.0	305.0	4.72	1.42	2.20	YES
L0001074	0	0.65116E-04	465687.0	3772947.5	305.0	4.72	1.42	2.20	YES
L0001075	0	0.65116E-04	465669.0	3772947.0	305.0	4.72	1.42	2.20	YES
L0001076	0	0.65116E-04	465651.0	3772946.4	305.0	4.72	1.42	2.20	YES
L0001077	0	0.65116E-04	465633.0	3772945.9	305.0	4.72	1.42	2.20	YES
L0001078	0	0.65116E-04	465615.0	3772945.3	305.0	4.72	1.42	2.20	YES
L0001079	0	0.65116E-04	465597.0	3772944.8	305.0	4.72	1.42	2.20	YES
L0001080	0	0.65116E-04	465579.0	3772944.3	305.0	4.72	1.42	2.20	YES
L0001081	0	0.65116E-04	465561.0	3772943.7	305.0	4.72	1.42	2.20	YES
L0001082	0	0.65116E-04	465543.0	3772943.2	305.0	4.72	1.42	2.20	YES
L0001083	0	0.65116E-04	465525.0	3772942.6	305.0	4.72	1.42	2.20	YES
L0001084	0	0.65116E-04	465507.0	3772942.1	305.0	4.72	1.42	2.20	YES
L0001085	0	0.65116E-04	465489.0	3772941.6	305.0	4.72	1.42	2.20	YES
L0001086	0	0.65116E-04	465471.1	3772941.0	305.0	4.72	1.42	2.20	YES
L0001087	0	0.65116E-04	465453.1	3772940.5	305.0	4.72	1.42	2.20	YES
L0001088	0	0.65116E-04	465435.1	3772940.0	305.0	4.72	1.42	2.20	YES
L0001089	0	0.65116E-04	465417.1	3772939.4	305.0	4.72	1.42	2.20	YES
L0001090	0	0.65116E-04	465399.1	3772938.9	305.0	4.72	1.42	2.20	YES
L0001091	0	0.65116E-04	465381.1	3772938.3	305.0	4.72	1.42	2.20	YES
L0001092	0	0.65116E-04	465363.1	3772937.8	305.0	4.72	1.42	2.20	YES
L0001093	0	0.65116E-04	465345.1	3772937.3	305.0	4.72	1.42	2.20	YES

□ \*\*\* AERMOD - VERSION 15181 \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 4  
 \*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* VOLUME SOURCE DATA \*\*\*

Rialto.ADO

RATE	NUMBER	EMISSION	BASE			RELEASE	INIT.	INIT.	URBAN	EMISSION
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR
VARY	ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY

L0001094	0	0.65116E-04	465327.1	3772936.7	305.0	4.72	1.42	2.20	YES	
L0001095	0	0.65116E-04	465309.1	3772936.2	305.0	4.72	1.42	2.20	YES	
L0001096	0	0.65116E-04	465291.1	3772935.6	305.0	4.72	1.42	2.20	YES	

□ \*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\* 09:16:37

PAGE 5  
 \*\*MODELOPTS: RegDEFAULT CONC ELEV URBAN

\*\*\* SOURCE IDS DEFINING SOURCE GROUPS \*\*\*

SRCGROUP	ID	SOURCE IDS							
SLINE1	L0001054	, L0001055	, L0001056	, L0001057	, L0001058	, L0001059	, L0001060		
, L0001061	,								
	L0001062	, L0001063	, L0001064	, L0001065	, L0001066	, L0001067	, L0001068		
, L0001069	,								
	L0001070	, L0001071	, L0001072	, L0001073	, L0001074	, L0001075	, L0001076		
, L0001077	,								
	L0001078	, L0001079	, L0001080	, L0001081	, L0001082	, L0001083	, L0001084		
, L0001085	,								
	L0001086	, L0001087	, L0001088	, L0001089	, L0001090	, L0001091	, L0001092		
, L0001093	,								
	L0001094	, L0001095	, L0001096	,					
STCK1	STCK1	,							
ALL	L0001054	, L0001055	, L0001056	, L0001057	, L0001058	, L0001059	, L0001060		
, L0001061	,								

Rialto.ADO

, L0001069 , L0001062 , L0001063 , L0001064 , L0001065 , L0001066 , L0001067 , L0001068  
 , L0001077 , L0001070 , L0001071 , L0001072 , L0001073 , L0001074 , L0001075 , L0001076  
 , L0001085 , L0001078 , L0001079 , L0001080 , L0001081 , L0001082 , L0001083 , L0001084  
 , L0001093 , L0001086 , L0001087 , L0001088 , L0001089 , L0001090 , L0001091 , L0001092

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*  
 \*\*\* 09:16:37

PAGE 6  
 \*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs						
-----	-----	-----	-----	-----	-----	-----	-----	-----
L0001060 L0001061	2015355.	L0001054	, L0001055	, L0001056	, L0001057	, L0001058	, L0001059	,
, L0001069	, L0001062	, L0001063	, L0001064	, L0001065	, L0001066	, L0001067	, L0001068	
, L0001077	, L0001070	, L0001071	, L0001072	, L0001073	, L0001074	, L0001075	, L0001076	
, L0001085	, L0001078	, L0001079	, L0001080	, L0001081	, L0001082	, L0001083	, L0001084	
, L0001093	, L0001086	, L0001087	, L0001088	, L0001089	, L0001090	, L0001091	, L0001092	

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*

Rialto.ADO

\*\*\* 09:16:37

PAGE 7  
 \*\*MODELOPTS: RegDFault CONC

ELEV URBAN

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

( 465630.3, 3772850.7,	0.0,	0.0,	0.0);	( 465634.7, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465639.1, 3772850.7,	0.0,	0.0,	0.0);	( 465643.5, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465647.9, 3772850.7,	0.0,	0.0,	0.0);	( 465652.3, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465656.6, 3772850.7,	0.0,	0.0,	0.0);	( 465661.0, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465665.4, 3772850.7,	0.0,	0.0,	0.0);	( 465669.8, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465674.2, 3772850.7,	0.0,	0.0,	0.0);	( 465678.6, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465683.0, 3772850.7,	0.0,	0.0,	0.0);	( 465687.4, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465691.8, 3772850.7,	0.0,	0.0,	0.0);	( 465696.2, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465700.5, 3772850.7,	0.0,	0.0,	0.0);	( 465704.9, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465709.3, 3772850.7,	0.0,	0.0,	0.0);	( 465713.7, 3772850.7,	0.0,
0.0, 0.0);				0.0, 3772850.7,	0.0,
( 465718.1, 3772850.7,	0.0,	0.0,	0.0);	( 465630.3, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465634.7, 3772854.0,	0.0,	0.0,	0.0);	( 465639.1, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465643.5, 3772854.0,	0.0,	0.0,	0.0);	( 465647.9, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465652.3, 3772854.0,	0.0,	0.0,	0.0);	( 465656.6, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465661.0, 3772854.0,	0.0,	0.0,	0.0);	( 465665.4, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465669.8, 3772854.0,	0.0,	0.0,	0.0);	( 465674.2, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465678.6, 3772854.0,	0.0,	0.0,	0.0);	( 465683.0, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465687.4, 3772854.0,	0.0,	0.0,	0.0);	( 465691.8, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465696.2, 3772854.0,	0.0,	0.0,	0.0);	( 465700.5, 3772854.0,	0.0,
0.0, 0.0);				0.0, 3772854.0,	0.0,
( 465704.9, 3772854.0,	0.0,	0.0,	0.0);	( 465709.3, 3772854.0,	0.0,

Rialto.ADO

0.0,	0.0);						
( 465713.7,	3772854.0,	0.0,	0.0,	0.0);	( 465718.1,	3772854.0,	0.0,
0.0,	0.0);						
( 465630.3,	3772857.2,	0.0,	0.0,	0.0);	( 465634.7,	3772857.2,	0.0,
0.0,	0.0);						
( 465639.1,	3772857.2,	0.0,	0.0,	0.0);	( 465643.5,	3772857.2,	0.0,
0.0,	0.0);						
( 465647.9,	3772857.2,	0.0,	0.0,	0.0);	( 465652.3,	3772857.2,	0.0,
0.0,	0.0);						
( 465656.6,	3772857.2,	0.0,	0.0,	0.0);	( 465661.0,	3772857.2,	0.0,
0.0,	0.0);						
( 465665.4,	3772857.2,	0.0,	0.0,	0.0);	( 465669.8,	3772857.2,	0.0,
0.0,	0.0);						
( 465674.2,	3772857.2,	0.0,	0.0,	0.0);	( 465678.6,	3772857.2,	0.0,
0.0,	0.0);						
( 465683.0,	3772857.2,	0.0,	0.0,	0.0);	( 465687.4,	3772857.2,	0.0,
0.0,	0.0);						
( 465691.8,	3772857.2,	0.0,	0.0,	0.0);	( 465696.2,	3772857.2,	0.0,
0.0,	0.0);						
( 465700.5,	3772857.2,	0.0,	0.0,	0.0);	( 465704.9,	3772857.2,	0.0,
0.0,	0.0);						
( 465709.3,	3772857.2,	0.0,	0.0,	0.0);	( 465713.7,	3772857.2,	0.0,
0.0,	0.0);						
( 465718.1,	3772857.2,	0.0,	0.0,	0.0);	( 465630.3,	3772860.4,	0.0,
0.0,	0.0);						
( 465634.7,	3772860.4,	0.0,	0.0,	0.0);	( 465639.1,	3772860.4,	0.0,
0.0,	0.0);						
( 465643.5,	3772860.4,	0.0,	0.0,	0.0);	( 465647.9,	3772860.4,	0.0,
0.0,	0.0);						
( 465652.3,	3772860.4,	0.0,	0.0,	0.0);	( 465656.6,	3772860.4,	0.0,
0.0,	0.0);						
( 465661.0,	3772860.4,	0.0,	0.0,	0.0);	( 465665.4,	3772860.4,	0.0,
0.0,	0.0);						
( 465669.8,	3772860.4,	0.0,	0.0,	0.0);	( 465674.2,	3772860.4,	0.0,
0.0,	0.0);						
( 465678.6,	3772860.4,	0.0,	0.0,	0.0);	( 465683.0,	3772860.4,	0.0,
0.0,	0.0);						
( 465687.4,	3772860.4,	0.0,	0.0,	0.0);	( 465691.8,	3772860.4,	0.0,
0.0,	0.0);						
( 465696.2,	3772860.4,	0.0,	0.0,	0.0);	( 465700.5,	3772860.4,	0.0,
0.0,	0.0);						
( 465704.9,	3772860.4,	0.0,	0.0,	0.0);	( 465709.3,	3772860.4,	0.0,
0.0,	0.0);						
( 465713.7,	3772860.4,	0.0,	0.0,	0.0);	( 465718.1,	3772860.4,	0.0,
0.0,	0.0);						
( 465630.3,	3772863.7,	0.0,	0.0,	0.0);	( 465634.7,	3772863.7,	0.0,
0.0,	0.0);						
( 465639.1,	3772863.7,	0.0,	0.0,	0.0);	( 465643.5,	3772863.7,	0.0,

Rialto.ADO

0.0, ( 465647.9, 3772863.7, 0.0, 0.0, 0.0); ( 465652.3, 3772863.7, 0.0,  
 0.0, 0.0);  
 \*\*\* AERMOD - VERSION 15181 \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:16:37

PAGE 8  
 \*\*MODELOPTS: RegDEFAULT CONC ELEV URBAN

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

( 465656.6, 3772863.7, 0.0, 0.0, 0.0);	( 465661.0, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465665.4, 3772863.7, 0.0, 0.0, 0.0);	( 465669.8, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465674.2, 3772863.7, 0.0, 0.0, 0.0);	( 465678.6, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465683.0, 3772863.7, 0.0, 0.0, 0.0);	( 465687.4, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465691.8, 3772863.7, 0.0, 0.0, 0.0);	( 465696.2, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465700.5, 3772863.7, 0.0, 0.0, 0.0);	( 465704.9, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465709.3, 3772863.7, 0.0, 0.0, 0.0);	( 465713.7, 3772863.7, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465718.1, 3772863.7, 0.0, 0.0, 0.0);	( 465630.3, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465634.7, 3772866.9, 0.0, 0.0, 0.0);	( 465639.1, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465643.5, 3772866.9, 0.0, 0.0, 0.0);	( 465647.9, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465652.3, 3772866.9, 0.0, 0.0, 0.0);	( 465656.6, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465661.0, 3772866.9, 0.0, 0.0, 0.0);	( 465665.4, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465669.8, 3772866.9, 0.0, 0.0, 0.0);	( 465674.2, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465678.6, 3772866.9, 0.0, 0.0, 0.0);	( 465683.0, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465687.4, 3772866.9, 0.0, 0.0, 0.0);	( 465691.8, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465696.2, 3772866.9, 0.0, 0.0, 0.0);	( 465700.5, 3772866.9, 0.0,
0.0, 0.0);	0.0, 0.0);
( 465704.9, 3772866.9, 0.0, 0.0, 0.0);	( 465709.3, 3772866.9, 0.0,

Rialto.ADO

0.0,	0.0);						
( 465713.7,	3772866.9,	0.0,	0.0,	0.0);	( 465718.1,	3772866.9,	0.0,
0.0,	0.0);						
( 465630.3,	3772870.2,	0.0,	0.0,	0.0);	( 465634.7,	3772870.2,	0.0,
0.0,	0.0);						
( 465639.1,	3772870.2,	0.0,	0.0,	0.0);	( 465643.5,	3772870.2,	0.0,
0.0,	0.0);						
( 465647.9,	3772870.2,	0.0,	0.0,	0.0);	( 465652.3,	3772870.2,	0.0,
0.0,	0.0);						
( 465656.6,	3772870.2,	0.0,	0.0,	0.0);	( 465661.0,	3772870.2,	0.0,
0.0,	0.0);						
( 465665.4,	3772870.2,	0.0,	0.0,	0.0);	( 465669.8,	3772870.2,	0.0,
0.0,	0.0);						
( 465674.2,	3772870.2,	0.0,	0.0,	0.0);	( 465678.6,	3772870.2,	0.0,
0.0,	0.0);						
( 465683.0,	3772870.2,	0.0,	0.0,	0.0);	( 465687.4,	3772870.2,	0.0,
0.0,	0.0);						
( 465691.8,	3772870.2,	0.0,	0.0,	0.0);	( 465696.2,	3772870.2,	0.0,
0.0,	0.0);						
( 465700.5,	3772870.2,	0.0,	0.0,	0.0);	( 465704.9,	3772870.2,	0.0,
0.0,	0.0);						
( 465709.3,	3772870.2,	0.0,	0.0,	0.0);	( 465713.7,	3772870.2,	0.0,
0.0,	0.0);						
( 465718.1,	3772870.2,	0.0,	0.0,	0.0);	( 465630.3,	3772873.4,	0.0,
0.0,	0.0);						
( 465634.7,	3772873.4,	0.0,	0.0,	0.0);	( 465639.1,	3772873.4,	0.0,
0.0,	0.0);						
( 465643.5,	3772873.4,	0.0,	0.0,	0.0);	( 465647.9,	3772873.4,	0.0,
0.0,	0.0);						
( 465652.3,	3772873.4,	0.0,	0.0,	0.0);	( 465656.6,	3772873.4,	0.0,
0.0,	0.0);						
( 465661.0,	3772873.4,	0.0,	0.0,	0.0);	( 465665.4,	3772873.4,	0.0,
0.0,	0.0);						
( 465669.8,	3772873.4,	0.0,	0.0,	0.0);	( 465674.2,	3772873.4,	0.0,
0.0,	0.0);						
( 465678.6,	3772873.4,	0.0,	0.0,	0.0);	( 465683.0,	3772873.4,	0.0,
0.0,	0.0);						
( 465687.4,	3772873.4,	0.0,	0.0,	0.0);	( 465691.8,	3772873.4,	0.0,
0.0,	0.0);						
( 465696.2,	3772873.4,	0.0,	0.0,	0.0);	( 465700.5,	3772873.4,	0.0,
0.0,	0.0);						
( 465704.9,	3772873.4,	0.0,	0.0,	0.0);	( 465709.3,	3772873.4,	0.0,
0.0,	0.0);						
( 465713.7,	3772873.4,	0.0,	0.0,	0.0);	( 465718.1,	3772873.4,	0.0,
0.0,	0.0);						
( 465630.3,	3772876.6,	0.0,	0.0,	0.0);	( 465634.7,	3772876.6,	0.0,
0.0,	0.0);						
( 465639.1,	3772876.6,	0.0,	0.0,	0.0);	( 465643.5,	3772876.6,	0.0,

Rialto.ADO

0.0, ( 465647.9, 3772876.6, 0.0, 0.0, 0.0); ( 465652.3, 3772876.6, 0.0,  
 0.0, ( 465656.6, 3772876.6, 0.0, 0.0, 0.0); ( 465661.0, 3772876.6, 0.0,  
 0.0, ( 465665.4, 3772876.6, 0.0, 0.0, 0.0); ( 465669.8, 3772876.6, 0.0,  
 0.0, ( 465674.2, 3772876.6, 0.0, 0.0, 0.0); ( 465678.6, 3772876.6, 0.0,  
 0.0, ( 0.0);

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 9  
 \*\*MODELOPTS: RegDEFAULT CONC ELEV URBAN

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

( 465683.0, 3772876.6, 0.0, 0.0, 0.0); ( 465687.4, 3772876.6, 0.0,  
 0.0, ( 465691.8, 3772876.6, 0.0, 0.0, 0.0); ( 465696.2, 3772876.6, 0.0,  
 0.0, ( 465700.5, 3772876.6, 0.0, 0.0, 0.0); ( 465704.9, 3772876.6, 0.0,  
 0.0, ( 465709.3, 3772876.6, 0.0, 0.0, 0.0); ( 465713.7, 3772876.6, 0.0,  
 0.0, ( 465718.1, 3772876.6, 0.0, 0.0, 0.0); ( 465630.3, 3772879.9, 0.0,  
 0.0, ( 465634.7, 3772879.9, 0.0, 0.0, 0.0); ( 465639.1, 3772879.9, 0.0,  
 0.0, ( 465643.5, 3772879.9, 0.0, 0.0, 0.0); ( 465647.9, 3772879.9, 0.0,  
 0.0, ( 465652.3, 3772879.9, 0.0, 0.0, 0.0); ( 465656.6, 3772879.9, 0.0,  
 0.0, ( 465661.0, 3772879.9, 0.0, 0.0, 0.0); ( 465665.4, 3772879.9, 0.0,  
 0.0, ( 465669.8, 3772879.9, 0.0, 0.0, 0.0); ( 465674.2, 3772879.9, 0.0,  
 0.0, ( 465678.6, 3772879.9, 0.0, 0.0, 0.0); ( 465683.0, 3772879.9, 0.0,  
 0.0, ( 465687.4, 3772879.9, 0.0, 0.0, 0.0); ( 465691.8, 3772879.9, 0.0,  
 0.0, ( 465696.2, 3772879.9, 0.0, 0.0, 0.0); ( 465700.5, 3772879.9, 0.0,  
 0.0, ( 465704.9, 3772879.9, 0.0, 0.0, 0.0); ( 465709.3, 3772879.9, 0.0,



Rialto.ADO

0.0,	0.0);						
( 465713.7,	3772879.9,	0.0,	0.0,	0.0);	( 465718.1,	3772879.9,	0.0,
0.0,	0.0);				( 465634.7,	3772883.1,	0.0,
( 465630.3,	3772883.1,	0.0,	0.0,	0.0);	( 465634.7,	3772883.1,	0.0,
0.0,	0.0);				( 465643.5,	3772883.1,	0.0,
( 465639.1,	3772883.1,	0.0,	0.0,	0.0);	( 465643.5,	3772883.1,	0.0,
0.0,	0.0);				( 465652.3,	3772883.1,	0.0,
( 465647.9,	3772883.1,	0.0,	0.0,	0.0);	( 465652.3,	3772883.1,	0.0,
0.0,	0.0);				( 465661.0,	3772883.1,	0.0,
( 465656.6,	3772883.1,	0.0,	0.0,	0.0);	( 465661.0,	3772883.1,	0.0,
0.0,	0.0);				( 465669.8,	3772883.1,	0.0,
( 465665.4,	3772883.1,	0.0,	0.0,	0.0);	( 465669.8,	3772883.1,	0.0,
0.0,	0.0);				( 465678.6,	3772883.1,	0.0,
( 465674.2,	3772883.1,	0.0,	0.0,	0.0);	( 465678.6,	3772883.1,	0.0,
0.0,	0.0);				( 465687.4,	3772883.1,	0.0,
( 465683.0,	3772883.1,	0.0,	0.0,	0.0);	( 465687.4,	3772883.1,	0.0,
0.0,	0.0);				( 465696.2,	3772883.1,	0.0,
( 465691.8,	3772883.1,	0.0,	0.0,	0.0);	( 465696.2,	3772883.1,	0.0,
0.0,	0.0);				( 465704.9,	3772883.1,	0.0,
( 465700.5,	3772883.1,	0.0,	0.0,	0.0);	( 465704.9,	3772883.1,	0.0,
0.0,	0.0);				( 465713.7,	3772883.1,	0.0,
( 465709.3,	3772883.1,	0.0,	0.0,	0.0);	( 465713.7,	3772883.1,	0.0,
0.0,	0.0);				( 465630.3,	3772886.4,	0.0,
( 465718.1,	3772883.1,	0.0,	0.0,	0.0);	( 465630.3,	3772886.4,	0.0,
0.0,	0.0);				( 465639.1,	3772886.4,	0.0,
( 465634.7,	3772886.4,	0.0,	0.0,	0.0);	( 465639.1,	3772886.4,	0.0,
0.0,	0.0);				( 465647.9,	3772886.4,	0.0,
( 465643.5,	3772886.4,	0.0,	0.0,	0.0);	( 465647.9,	3772886.4,	0.0,
0.0,	0.0);				( 465656.6,	3772886.4,	0.0,
( 465652.3,	3772886.4,	0.0,	0.0,	0.0);	( 465656.6,	3772886.4,	0.0,
0.0,	0.0);				( 465665.4,	3772886.4,	0.0,
( 465661.0,	3772886.4,	0.0,	0.0,	0.0);	( 465665.4,	3772886.4,	0.0,
0.0,	0.0);				( 465674.2,	3772886.4,	0.0,
( 465669.8,	3772886.4,	0.0,	0.0,	0.0);	( 465674.2,	3772886.4,	0.0,
0.0,	0.0);				( 465683.0,	3772886.4,	0.0,
( 465678.6,	3772886.4,	0.0,	0.0,	0.0);	( 465683.0,	3772886.4,	0.0,
0.0,	0.0);				( 465691.8,	3772886.4,	0.0,
( 465687.4,	3772886.4,	0.0,	0.0,	0.0);	( 465691.8,	3772886.4,	0.0,
0.0,	0.0);				( 465700.5,	3772886.4,	0.0,
( 465696.2,	3772886.4,	0.0,	0.0,	0.0);	( 465700.5,	3772886.4,	0.0,
0.0,	0.0);				( 465709.3,	3772886.4,	0.0,
( 465704.9,	3772886.4,	0.0,	0.0,	0.0);	( 465709.3,	3772886.4,	0.0,
0.0,	0.0);				( 465718.1,	3772886.4,	0.0,
( 465713.7,	3772886.4,	0.0,	0.0,	0.0);	( 465718.1,	3772886.4,	0.0,
0.0,	0.0);				( 465634.7,	3772889.6,	0.0,
( 465630.3,	3772889.6,	0.0,	0.0,	0.0);	( 465634.7,	3772889.6,	0.0,
0.0,	0.0);				( 465643.5,	3772889.6,	0.0,
( 465639.1,	3772889.6,	0.0,	0.0,	0.0);	( 465643.5,	3772889.6,	0.0,

Rialto.ADO

0.0,	0.0);	0.0,	0.0,	0.0);	( 465652.3, 3772889.6,	0.0,
( 465647.9, 3772889.6,	0.0);	( 465656.6, 3772889.6,	0.0);	( 465661.0, 3772889.6,	0.0,	
0.0,	0.0);	( 465665.4, 3772889.6,	0.0);	( 465669.8, 3772889.6,	0.0,	
0.0,	0.0);	( 465674.2, 3772889.6,	0.0);	( 465678.6, 3772889.6,	0.0,	
0.0,	0.0);	( 465683.0, 3772889.6,	0.0);	( 465687.4, 3772889.6,	0.0,	
0.0,	0.0);	( 465691.8, 3772889.6,	0.0);	( 465696.2, 3772889.6,	0.0,	
0.0,	0.0);	( 465700.5, 3772889.6,	0.0);	( 465704.9, 3772889.6,	0.0,	
0.0,	0.0);					

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 10  
 \*\*MODELOPTS: RegDEFAULT CONC

ELEV URBAN

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

( 465709.3, 3772889.6,	0.0);	( 465713.7, 3772889.6,	0.0,
0.0,	0.0);	( 465630.3, 3772892.8,	0.0,
0.0,	0.0);	( 465639.1, 3772892.8,	0.0,
0.0,	0.0);	( 465647.9, 3772892.8,	0.0,
0.0,	0.0);	( 465656.6, 3772892.8,	0.0,
0.0,	0.0);	( 465665.4, 3772892.8,	0.0,
0.0,	0.0);	( 465674.2, 3772892.8,	0.0,
0.0,	0.0);	( 465683.0, 3772892.8,	0.0,
0.0,	0.0);	( 465691.8, 3772892.8,	0.0,
0.0,	0.0);	( 465700.5, 3772892.8,	0.0,
0.0,	0.0);	( 465704.9, 3772892.8,	0.0,
( 465709.3, 3772892.8,	0.0,		

Rialto.ADO

0.0,	0.0);						
( 465713.7,	3772892.8,	0.0,	0.0,	0.0);	( 465718.1,	3772892.8,	0.0,
0.0,	0.0);						
( 465630.3,	3772896.1,	0.0,	0.0,	0.0);	( 465634.7,	3772896.1,	0.0,
0.0,	0.0);						
( 465639.1,	3772896.1,	0.0,	0.0,	0.0);	( 465643.5,	3772896.1,	0.0,
0.0,	0.0);						
( 465647.9,	3772896.1,	0.0,	0.0,	0.0);	( 465652.3,	3772896.1,	0.0,
0.0,	0.0);						
( 465656.6,	3772896.1,	0.0,	0.0,	0.0);	( 465661.0,	3772896.1,	0.0,
0.0,	0.0);						
( 465665.4,	3772896.1,	0.0,	0.0,	0.0);	( 465669.8,	3772896.1,	0.0,
0.0,	0.0);						
( 465674.2,	3772896.1,	0.0,	0.0,	0.0);	( 465678.6,	3772896.1,	0.0,
0.0,	0.0);						
( 465683.0,	3772896.1,	0.0,	0.0,	0.0);	( 465687.4,	3772896.1,	0.0,
0.0,	0.0);						
( 465691.8,	3772896.1,	0.0,	0.0,	0.0);	( 465696.2,	3772896.1,	0.0,
0.0,	0.0);						
( 465700.5,	3772896.1,	0.0,	0.0,	0.0);	( 465704.9,	3772896.1,	0.0,
0.0,	0.0);						
( 465709.3,	3772896.1,	0.0,	0.0,	0.0);	( 465713.7,	3772896.1,	0.0,
0.0,	0.0);						
( 465718.1,	3772896.1,	0.0,	0.0,	0.0);	( 465630.3,	3772899.3,	0.0,
0.0,	0.0);						
( 465634.7,	3772899.3,	0.0,	0.0,	0.0);	( 465639.1,	3772899.3,	0.0,
0.0,	0.0);						
( 465643.5,	3772899.3,	0.0,	0.0,	0.0);	( 465647.9,	3772899.3,	0.0,
0.0,	0.0);						
( 465652.3,	3772899.3,	0.0,	0.0,	0.0);	( 465656.6,	3772899.3,	0.0,
0.0,	0.0);						
( 465661.0,	3772899.3,	0.0,	0.0,	0.0);	( 465665.4,	3772899.3,	0.0,
0.0,	0.0);						
( 465669.8,	3772899.3,	0.0,	0.0,	0.0);	( 465674.2,	3772899.3,	0.0,
0.0,	0.0);						
( 465678.6,	3772899.3,	0.0,	0.0,	0.0);	( 465683.0,	3772899.3,	0.0,
0.0,	0.0);						
( 465687.4,	3772899.3,	0.0,	0.0,	0.0);	( 465691.8,	3772899.3,	0.0,
0.0,	0.0);						
( 465696.2,	3772899.3,	0.0,	0.0,	0.0);	( 465700.5,	3772899.3,	0.0,
0.0,	0.0);						
( 465704.9,	3772899.3,	0.0,	0.0,	0.0);	( 465709.3,	3772899.3,	0.0,
0.0,	0.0);						
( 465713.7,	3772899.3,	0.0,	0.0,	0.0);	( 465718.1,	3772899.3,	0.0,
0.0,	0.0);						
( 465630.3,	3772902.6,	0.0,	0.0,	0.0);	( 465634.7,	3772902.6,	0.0,
0.0,	0.0);						
( 465639.1,	3772902.6,	0.0,	0.0,	0.0);	( 465643.5,	3772902.6,	0.0,

Rialto.ADO

```

0.0, ( 465647.9, 3772902.6, 0.0, 0.0, 0.0); ( 465652.3, 3772902.6, 0.0,
0.0, ( 465656.6, 3772902.6, 0.0, 0.0, 0.0); ( 465661.0, 3772902.6, 0.0,
0.0, ( 465665.4, 3772902.6, 0.0, 0.0, 0.0); ( 465669.8, 3772902.6, 0.0,
0.0, ( 465674.2, 3772902.6, 0.0, 0.0, 0.0); ( 465678.6, 3772902.6, 0.0,
0.0, ( 465683.0, 3772902.6, 0.0, 0.0, 0.0); ( 465687.4, 3772902.6, 0.0,
0.0, ( 465691.8, 3772902.6, 0.0, 0.0, 0.0); ( 465696.2, 3772902.6, 0.0,
0.0, ( 465700.5, 3772902.6, 0.0, 0.0, 0.0); ( 465704.9, 3772902.6, 0.0,
0.0, ( 465709.3, 3772902.6, 0.0, 0.0, 0.0); ( 465713.7, 3772902.6, 0.0,
0.0, ( 465718.1, 3772902.6, 0.0, 0.0, 0.0); ( 465630.3, 3772905.8, 0.0,
0.0, ( 465634.7, 3772905.8, 0.0, 0.0, 0.0); ( 465639.1, 3772905.8, 0.0,
0.0, ( 0.0, 0.0);

```

```

*** AERMOD - VERSION 15181 *** *** H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal
*** 12/22/15
*** AERMET - VERSION 14134 *** ***
*** 09:16:37

```

```

PAGE 11
**MODELOPTS: RegDFault CONC ELEV URBAN

```

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

```

( 465643.5, 3772905.8, 0.0, 0.0, 0.0); ( 465647.9, 3772905.8, 0.0,
0.0, ( 465652.3, 3772905.8, 0.0, 0.0, 0.0); ( 465656.6, 3772905.8, 0.0,
0.0, ( 465661.0, 3772905.8, 0.0, 0.0, 0.0); ( 465665.4, 3772905.8, 0.0,
0.0, ( 465669.8, 3772905.8, 0.0, 0.0, 0.0); ( 465674.2, 3772905.8, 0.0,
0.0, ( 465678.6, 3772905.8, 0.0, 0.0, 0.0); ( 465683.0, 3772905.8, 0.0,
0.0, ( 465687.4, 3772905.8, 0.0, 0.0, 0.0); ( 465691.8, 3772905.8, 0.0,
0.0, ( 465696.2, 3772905.8, 0.0, 0.0, 0.0); ( 465700.5, 3772905.8, 0.0,
0.0, ( 465704.9, 3772905.8, 0.0, 0.0, 0.0); ( 465709.3, 3772905.8, 0.0,

```

Rialto.ADO

0.0,	0.0);						
( 465713.7,	3772905.8,	0.0,	0.0,	0.0);	( 465718.1,	3772905.8,	0.0,
0.0,	0.0);				( 465634.7,	3772909.0,	0.0,
( 465630.3,	3772909.0,	0.0,	0.0,	0.0);	( 465634.7,	3772909.0,	0.0,
0.0,	0.0);				( 465643.5,	3772909.0,	0.0,
( 465639.1,	3772909.0,	0.0,	0.0,	0.0);	( 465643.5,	3772909.0,	0.0,
0.0,	0.0);				( 465652.3,	3772909.0,	0.0,
( 465647.9,	3772909.0,	0.0,	0.0,	0.0);	( 465652.3,	3772909.0,	0.0,
0.0,	0.0);				( 465661.0,	3772909.0,	0.0,
( 465656.6,	3772909.0,	0.0,	0.0,	0.0);	( 465661.0,	3772909.0,	0.0,
0.0,	0.0);				( 465669.8,	3772909.0,	0.0,
( 465665.4,	3772909.0,	0.0,	0.0,	0.0);	( 465669.8,	3772909.0,	0.0,
0.0,	0.0);				( 465678.6,	3772909.0,	0.0,
( 465674.2,	3772909.0,	0.0,	0.0,	0.0);	( 465678.6,	3772909.0,	0.0,
0.0,	0.0);				( 465687.4,	3772909.0,	0.0,
( 465683.0,	3772909.0,	0.0,	0.0,	0.0);	( 465687.4,	3772909.0,	0.0,
0.0,	0.0);				( 465696.2,	3772909.0,	0.0,
( 465691.8,	3772909.0,	0.0,	0.0,	0.0);	( 465696.2,	3772909.0,	0.0,
0.0,	0.0);				( 465704.9,	3772909.0,	0.0,
( 465700.5,	3772909.0,	0.0,	0.0,	0.0);	( 465704.9,	3772909.0,	0.0,
0.0,	0.0);				( 465713.7,	3772909.0,	0.0,
( 465709.3,	3772909.0,	0.0,	0.0,	0.0);	( 465713.7,	3772909.0,	0.0,
0.0,	0.0);				( 465630.3,	3772912.3,	0.0,
( 465718.1,	3772909.0,	0.0,	0.0,	0.0);	( 465630.3,	3772912.3,	0.0,
0.0,	0.0);				( 465639.1,	3772912.3,	0.0,
( 465634.7,	3772912.3,	0.0,	0.0,	0.0);	( 465639.1,	3772912.3,	0.0,
0.0,	0.0);				( 465647.9,	3772912.3,	0.0,
( 465643.5,	3772912.3,	0.0,	0.0,	0.0);	( 465647.9,	3772912.3,	0.0,
0.0,	0.0);				( 465656.6,	3772912.3,	0.0,
( 465652.3,	3772912.3,	0.0,	0.0,	0.0);	( 465656.6,	3772912.3,	0.0,
0.0,	0.0);				( 465665.4,	3772912.3,	0.0,
( 465661.0,	3772912.3,	0.0,	0.0,	0.0);	( 465665.4,	3772912.3,	0.0,
0.0,	0.0);				( 465674.2,	3772912.3,	0.0,
( 465669.8,	3772912.3,	0.0,	0.0,	0.0);	( 465674.2,	3772912.3,	0.0,
0.0,	0.0);				( 465683.0,	3772912.3,	0.0,
( 465678.6,	3772912.3,	0.0,	0.0,	0.0);	( 465683.0,	3772912.3,	0.0,
0.0,	0.0);				( 465687.4,	3772912.3,	0.0,
( 465687.4,	3772912.3,	0.0,	0.0,	0.0);	( 465687.4,	3772912.3,	0.0,
0.0,	0.0);				( 465691.8,	3772912.3,	0.0,
( 465696.2,	3772912.3,	0.0,	0.0,	0.0);	( 465691.8,	3772912.3,	0.0,
0.0,	0.0);				( 465700.5,	3772912.3,	0.0,
( 465704.9,	3772912.3,	0.0,	0.0,	0.0);	( 465700.5,	3772912.3,	0.0,
0.0,	0.0);				( 465709.3,	3772912.3,	0.0,
( 465709.3,	3772912.3,	0.0,	0.0,	0.0);	( 465709.3,	3772912.3,	0.0,
0.0,	0.0);				( 465718.1,	3772912.3,	0.0,
( 465713.7,	3772912.3,	0.0,	0.0,	0.0);	( 465718.1,	3772912.3,	0.0,
0.0,	0.0);				( 465634.7,	3772915.5,	0.0,
( 465630.3,	3772915.5,	0.0,	0.0,	0.0);	( 465634.7,	3772915.5,	0.0,
0.0,	0.0);				( 465643.5,	3772915.5,	0.0,
( 465639.1,	3772915.5,	0.0,	0.0,	0.0);	( 465643.5,	3772915.5,	0.0,

Rialto.ADO

0.0,	0.0);				
( 465647.9,	3772915.5,	0.0,	0.0,	0.0);	( 465652.3, 3772915.5, 0.0,
0.0,	0.0);				
( 465656.6,	3772915.5,	0.0,	0.0,	0.0);	( 465661.0, 3772915.5, 0.0,
0.0,	0.0);				
( 465665.4,	3772915.5,	0.0,	0.0,	0.0);	( 465669.8, 3772915.5, 0.0,
0.0,	0.0);				
( 465674.2,	3772915.5,	0.0,	0.0,	0.0);	( 465678.6, 3772915.5, 0.0,
0.0,	0.0);				
( 465683.0,	3772915.5,	0.0,	0.0,	0.0);	( 465687.4, 3772915.5, 0.0,
0.0,	0.0);				
( 465691.8,	3772915.5,	0.0,	0.0,	0.0);	( 465696.2, 3772915.5, 0.0,
0.0,	0.0);				
( 465700.5,	3772915.5,	0.0,	0.0,	0.0);	( 465704.9, 3772915.5, 0.0,
0.0,	0.0);				
( 465709.3,	3772915.5,	0.0,	0.0,	0.0);	( 465713.7, 3772915.5, 0.0,
0.0,	0.0);				
( 465718.1,	3772915.5,	0.0,	0.0,	0.0);	

```
□ *** AERMOD - VERSION 15181 ***   *** H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1
***      12/22/15
*** AERMET - VERSION 14134 ***   ***
***      09:16:37
```

PAGE 12  
\*\*MODELOPTS: RegDEFAULT CONC ELEV URBAN

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*  
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

Rialto.ADO

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES \*\*\*  
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,  
 \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 13  
 \*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: ..\snbo8.sfc Met  
 Version: 14134  
 Profile file: ..\snbo8.PFL  
 Surface format: FREE

Profile format: FREE

Surface station no.: 0 Upper air station no.: 3190  
 Name: UNKNOWN Name: UNKNOWN  
 Year: 2007 Year: 2007

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																
07	01	01	1	01	-0.5	0.030	-9.000	-9.000	-999.	12.	4.4	0.32	1.00	1.00	0.50	27.	9.1		
279.9	5.5																		
07	01	01	1	02	-0.5	0.030	-9.000	-9.000	-999.	12.	4.3	0.32	1.00	1.00	0.50	7.	9.1		
279.2	5.5																		
07	01	01	1	03	-0.5	0.030	-9.000	-9.000	-999.	12.	4.3	0.32	1.00	1.00	0.50	97.	9.1		
278.8	5.5																		
07	01	01	1	04	-0.7	0.030	-9.000	-9.000	-999.	12.	3.1	0.32	1.00	1.00	0.50	148.	9.1		
278.1	5.5																		
07	01	01	1	05	-2.4	0.054	-9.000	-9.000	-999.	30.	5.5	0.32	1.00	1.00	0.90	87.	9.1		
278.1	5.5																		
07	01	01	1	06	-1.7	0.054	-9.000	-9.000	-999.	30.	7.8	0.32	1.00	1.00	0.90	208.	9.1		
277.0	5.5																		
07	01	01	1	07	-1.7	0.054	-9.000	-9.000	-999.	30.	7.8	0.32	1.00	1.00	0.90	156.	9.1		
277.5	5.5																		

Rialto.ADO																	
07	01	01	1	08	-1.7	0.054	-9.000	-9.000	-999.	30.	7.8	0.32	1.00	0.52	0.90	60.	9.1
277.5		5.5															
07	01	01	1	09	34.6	0.390	0.621	0.005	241.	585.	-149.6	0.32	1.00	0.31	3.10	264.	9.1
282.5		5.5															
07	01	01	1	10	78.0	0.267	1.066	0.005	541.	341.	-21.3	0.32	1.00	0.24	1.80	242.	9.1
289.2		5.5															
07	01	01	1	11	112.9	0.612	1.395	0.019	839.	1149.	-176.9	0.32	1.00	0.21	4.90	82.	9.1
290.4		5.5															
07	01	01	1	12	130.3	0.615	1.611	0.020	1120.	1158.	-155.8	0.32	1.00	0.20	4.90	74.	9.1
290.9		5.5															
07	01	01	1	13	128.2	0.671	1.662	0.015	1250.	1315.	-204.9	0.32	1.00	0.20	5.40	59.	9.1
290.9		5.5															
07	01	01	1	14	107.5	0.712	1.575	0.007	1267.	1439.	-292.1	0.32	1.00	0.22	5.80	58.	9.1
291.4		5.5															
07	01	01	1	15	68.1	0.602	1.356	0.021	1277.	1137.	-279.3	0.32	1.00	0.25	4.90	40.	9.1
291.4		5.5															
07	01	01	1	16	18.1	0.438	0.872	0.021	1278.	724.	-405.7	0.32	1.00	0.34	3.60	312.	9.1
292.0		5.5															
07	01	01	1	17	-25.8	0.263	-9.000	-9.000	-999.	353.	61.6	0.32	1.00	0.63	2.70	342.	9.1
290.9		5.5															
07	01	01	1	18	-4.9	0.077	-9.000	-9.000	-999.	114.	8.1	0.32	1.00	1.00	1.30	256.	9.1
289.2		5.5															
07	01	01	1	19	-4.9	0.077	-9.000	-9.000	-999.	52.	8.1	0.32	1.00	1.00	1.30	191.	9.1
289.9		5.5															
07	01	01	1	20	-4.9	0.077	-9.000	-9.000	-999.	52.	8.1	0.32	1.00	1.00	1.30	197.	9.1
289.9		5.5															
07	01	01	1	21	-4.9	0.077	-9.000	-9.000	-999.	52.	8.1	0.32	1.00	1.00	1.30	190.	9.1
289.9		5.5															
07	01	01	1	22	-2.4	0.054	-9.000	-9.000	-999.	30.	5.6	0.32	1.00	1.00	0.90	188.	9.1
289.2		5.5															
07	01	01	1	23	-9.5	0.107	-9.000	-9.000	-999.	84.	11.3	0.32	1.00	1.00	1.80	162.	9.1
289.9		5.5															
07	01	01	1	24	-9.5	0.107	-9.000	-9.000	-999.	84.	11.3	0.32	1.00	1.00	1.80	42.	9.1
289.2		5.5															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	27.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

□ \*\*\* AERMOD - VERSION 15181 \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:16:37



Rialto.ADO  
URBAN

\*\*MODELOPTs: RegDFAULT CONC

ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE1 \*\*\*

INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
465630.31	3772850.73	0.22574	(09010316)	465634.70	3772850.73	
0.22549	(09010316)					
465639.09	3772850.73	0.22524	(09010316)	465643.48	3772850.73	
0.22499	(09010316)					
465647.87	3772850.73	0.22473	(09010316)	465652.26	3772850.73	
0.22448	(09010316)					
465656.65	3772850.73	0.22422	(09010316)	465661.04	3772850.73	
0.22396	(09010316)					
465665.43	3772850.73	0.22370	(09010316)	465669.82	3772850.73	
0.22344	(09010316)					
465674.21	3772850.73	0.22318	(09010316)	465678.60	3772850.73	
0.22291	(09010316)					
465682.99	3772850.73	0.22264	(09010316)	465687.38	3772850.73	
0.22238	(09010316)					
465691.77	3772850.73	0.22211	(09010316)	465696.16	3772850.73	
0.22184	(09010316)					
465700.55	3772850.73	0.22156	(09010316)	465704.94	3772850.73	
0.22129	(09010316)					
465709.33	3772850.73	0.22101	(09010316)	465713.72	3772850.73	
0.22073	(09010316)					
465718.11	3772850.73	0.22045	(09010316)	465630.31	3772853.97	
0.23256	(09010316)					
465634.70	3772853.97	0.23229	(09010316)	465639.09	3772853.97	
0.23203	(09010316)					
465643.48	3772853.97	0.23176	(09010316)	465647.87	3772853.97	
0.23149	(09010316)					
465652.26	3772853.97	0.23122	(09010316)	465656.65	3772853.97	

Rialto.ADO

0.23095	(09010316)				
	465661.04	3772853.97	0.23067	(09010316)	465665.43 3772853.97
0.23040	(09010316)				
	465669.82	3772853.97	0.23012	(09010316)	465674.21 3772853.97
0.22984	(09010316)				
	465678.60	3772853.97	0.22956	(09010316)	465682.99 3772853.97
0.22928	(09010316)				
	465687.38	3772853.97	0.22899	(09010316)	465691.77 3772853.97
0.22871	(09010316)				
	465696.16	3772853.97	0.22842	(09010316)	465700.55 3772853.97
0.22813	(09010316)				
	465704.94	3772853.97	0.22784	(09010316)	465709.33 3772853.97
0.22755	(09010316)				
	465713.72	3772853.97	0.22726	(09010316)	465718.11 3772853.97
0.22696	(09010316)				
	465630.31	3772857.21	0.23979	(09010316)	465634.70 3772857.21
0.23951	(09010316)				
	465639.09	3772857.21	0.23922	(09010316)	465643.48 3772857.21
0.23894	(09010316)				
	465647.87	3772857.21	0.23865	(09010316)	465652.26 3772857.21
0.23836	(09010316)				
	465656.65	3772857.21	0.23807	(09010316)	465661.04 3772857.21
0.23778	(09010316)				
	465665.43	3772857.21	0.23749	(09010316)	465669.82 3772857.21
0.23720	(09010316)				
	465674.21	3772857.21	0.23690	(09010316)	465678.60 3772857.21
0.23660	(09010316)				
	465682.99	3772857.21	0.23630	(09010316)	465687.38 3772857.21
0.23600	(09010316)				
	465691.77	3772857.21	0.23570	(09010316)	465696.16 3772857.21
0.23540	(09010316)				
	465700.55	3772857.21	0.23509	(09010316)	465704.94 3772857.21
0.23479	(09010316)				
	465709.33	3772857.21	0.23448	(09010316)	465713.72 3772857.21
0.23417	(09010316)				
	465718.11	3772857.21	0.23386	(09010316)	465630.31 3772860.45
0.24747	(09010316)				
	465634.70	3772860.45	0.24717	(09010316)	465639.09 3772860.45
0.24687	(09010316)				
	465643.48	3772860.45	0.24656	(09010316)	465647.87 3772860.45
0.24626	(09010316)				
	465652.26	3772860.45	0.24595	(09010316)	465656.65 3772860.45
0.24564	(09010316)				
	465661.04	3772860.45	0.24533	(09010316)	465665.43 3772860.45
0.24502	(09010316)				
	465669.82	3772860.45	0.24471	(09010316)	465674.21 3772860.45
0.24440	(09010316)				
	465678.60	3772860.45	0.24408	(09010316)	465682.99 3772860.45

Rialto.ADO

0.24376 (09010316) 465687.38 3772860.45 0.24344 (09010316) 465691.77 3772860.45  
 0.24312 (09010316) 465696.16 3772860.45 0.24280 (09010316) 465700.55 3772860.45  
 0.24248 (09010316)

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 15

\*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE1 \*\*\* INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
465704.94	3772860.45	0.24216	(09010316)	465709.33	3772860.45	
0.24183 (09010316)	465713.72	3772860.45	0.24150	(09010316)	465718.11	3772860.45
0.24117 (09010316)	465630.31	3772863.69	0.25604	(10120516)	465634.70	3772863.69
0.25532 (09010316)	465639.09	3772863.69	0.25500	(09010316)	465643.48	3772863.69
0.25467 (09010316)	465647.87	3772863.69	0.25435	(09010316)	465652.26	3772863.69
0.25402 (09010316)	465656.65	3772863.69	0.25369	(09010316)	465661.04	3772863.69
0.25336 (09010316)	465665.43	3772863.69	0.25303	(09010316)	465669.82	3772863.69
0.25270 (09010316)	465674.21	3772863.69	0.25236	(09010316)	465678.60	3772863.69
0.25203 (09010316)						

				Rialto.ADO		
0.25135	465682.99 (09010316)	3772863.69	0.25169	(09010316)	465687.38	3772863.69
	465691.77	3772863.69	0.25101	(09010316)	465696.16	3772863.69
0.25067	(09010316)					
	465700.55	3772863.69	0.25033	(09010316)	465704.94	3772863.69
0.24998	(09010316)					
	465709.33	3772863.69	0.24964	(09010316)	465713.72	3772863.69
0.24929	(09010316)					
	465718.11	3772863.69	0.24894	(09010316)	465630.31	3772866.93
0.26641	(10120516)					
	465634.70	3772866.93	0.26565	(10120516)	465639.09	3772866.93
0.26490	(10120516)					
	465643.48	3772866.93	0.26414	(10120516)	465647.87	3772866.93
0.26336	(10120516)					
	465652.26	3772866.93	0.26262	(09010316)	465656.65	3772866.93
0.26227	(09010316)					
	465661.04	3772866.93	0.26192	(09010316)	465665.43	3772866.93
0.26156	(09010316)					
	465669.82	3772866.93	0.26121	(09010316)	465674.21	3772866.93
0.26085	(09010316)					
	465678.60	3772866.93	0.26049	(09010316)	465682.99	3772866.93
0.26013	(09010316)					
	465687.38	3772866.93	0.25977	(09010316)	465691.77	3772866.93
0.25941	(09010316)					
	465696.16	3772866.93	0.25905	(09010316)	465700.55	3772866.93
0.25869	(09010316)					
	465704.94	3772866.93	0.25832	(09010316)	465709.33	3772866.93
0.25795	(09010316)					
	465713.72	3772866.93	0.25758	(09010316)	465718.11	3772866.93
0.25721	(09010316)					
	465630.31	3772870.17	0.27750	(10120516)	465634.70	3772870.17
0.27671	(10120516)					
	465639.09	3772870.17	0.27595	(10120516)	465643.48	3772870.17
0.27517	(10120516)					
	465647.87	3772870.17	0.27436	(10120516)	465652.26	3772870.17
0.27353	(10120516)					
	465656.65	3772870.17	0.27271	(10120516)	465661.04	3772870.17
0.27188	(10120516)					
	465665.43	3772870.17	0.27102	(10120516)	465669.82	3772870.17
0.27029	(09010316)					
	465674.21	3772870.17	0.26991	(09010316)	465678.60	3772870.17
0.26953	(09010316)					
	465682.99	3772870.17	0.26914	(09010316)	465687.38	3772870.17
0.26876	(09010316)					
	465691.77	3772870.17	0.26837	(09010316)	465696.16	3772870.17
0.26799	(09010316)					
	465700.55	3772870.17	0.26760	(09010316)	465704.94	3772870.17
0.26721	(09010316)					

CONC	ELEV	URBAN	RegDFault	CONC	ELEV	URBAN
0.26642	465709.33	3772870.17	0.26682	465713.72	3772870.17	
	(09010316)					
0.28937	465718.11	3772870.17	0.26603	465630.31	3772873.41	
	(10120516)					
0.28777	465634.70	3772873.41	0.28856	465639.09	3772873.41	
	(10120516)					
0.28614	465643.48	3772873.41	0.28698	465647.87	3772873.41	
	(10120516)					
0.28444	465652.26	3772873.41	0.28528	465656.65	3772873.41	
	(10120516)					
0.28271	465661.04	3772873.41	0.28360	465665.43	3772873.41	
	(10120516)					
0.28089	465669.82	3772873.41	0.28179	465674.21	3772873.41	
	(10120516)					
0.27905	465678.60	3772873.41	0.27999	465682.99	3772873.41	
	(10120516)					

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 16  
 \*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 SLINE1 \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 ,  
 L0001065 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001073 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001081 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M)		Y-COORD (M)		CONC (YYMMDDHH)		CONC (YYMMDDHH)	
(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)
0.27795	465687.38	3772873.41	0.27836	465691.77	3772873.41		
	(09010316)						
0.27712	465696.16	3772873.41	0.27754	465700.55	3772873.41		
	(09010316)						
	465704.94	3772873.41	0.27671	465709.33	3772873.41		

Rialto.ADO

0.27629	(09010316)				
	465713.72	3772873.41	0.27587	(09010316)	465718.11 3772873.41
0.27545	(09010316)				
	465630.31	3772876.65	0.30213	(10120516)	465634.70 3772876.65
0.30128	(10120516)				
	465639.09	3772876.65	0.30048	(10120516)	465643.48 3772876.65
0.29967	(10120516)				
	465647.87	3772876.65	0.29879	(10120516)	465652.26 3772876.65
0.29790	(10120516)				
	465656.65	3772876.65	0.29704	(10120516)	465661.04 3772876.65
0.29618	(10120516)				
	465665.43	3772876.65	0.29526	(10120516)	465669.82 3772876.65
0.29431	(10120516)				
	465674.21	3772876.65	0.29339	(10120516)	465678.60 3772876.65
0.29247	(10120516)				
	465682.99	3772876.65	0.29150	(10120516)	465687.38 3772876.65
0.29049	(10120516)				
	465691.77	3772876.65	0.28950	(10120516)	465696.16 3772876.65
0.28852	(10120516)				
	465700.55	3772876.65	0.28748	(10120516)	465704.94 3772876.65
0.28687	(09010316)				
	465709.33	3772876.65	0.28643	(09010316)	465713.72 3772876.65
0.28598	(09010316)				
	465718.11	3772876.65	0.28553	(09010316)	465630.31 3772879.89
0.31587	(10120516)				
	465634.70	3772879.89	0.31498	(10120516)	465639.09 3772879.89
0.31417	(10120516)				
	465643.48	3772879.89	0.31333	(10120516)	465647.87 3772879.89
0.31241	(10120516)				
	465652.26	3772879.89	0.31147	(10120516)	465656.65 3772879.89
0.31060	(10120516)				
	465661.04	3772879.89	0.30972	(10120516)	465665.43 3772879.89
0.30876	(10120516)				
	465669.82	3772879.89	0.30776	(10120516)	465674.21 3772879.89
0.30683	(10120516)				
	465678.60	3772879.89	0.30590	(10120516)	465682.99 3772879.89
0.30489	(10120516)				
	465687.38	3772879.89	0.30383	(10120516)	465691.77 3772879.89
0.30283	(10120516)				
	465696.16	3772879.89	0.30183	(10120516)	465700.55 3772879.89
0.30076	(10120516)				
	465704.94	3772879.89	0.29964	(10120516)	465709.33 3772879.89
0.29855	(10120516)				
	465713.72	3772879.89	0.29749	(10120516)	465718.11 3772879.89
0.29635	(09010316)				
	465630.31	3772883.13	0.33072	(10120516)	465634.70 3772883.13
0.32979	(10120516)				
	465639.09	3772883.13	0.32896	(10120516)	465643.48 3772883.13

Rialto.ADO

0.32810	(10120516)	465647.87	3772883.13	0.32712	(10120516)	465652.26	3772883.13
0.32613	(10120516)	465656.65	3772883.13	0.32524	(10120516)	465661.04	3772883.13
0.32434	(10120516)	465665.43	3772883.13	0.32333	(10120516)	465669.82	3772883.13
0.32228	(10120516)	465674.21	3772883.13	0.32133	(10120516)	465678.60	3772883.13
0.32038	(10120516)	465682.99	3772883.13	0.31932	(10120516)	465687.38	3772883.13
0.31822	(10120516)	465691.77	3772883.13	0.31719	(10120516)	465696.16	3772883.13
0.31619	(10120516)	465700.55	3772883.13	0.31508	(10120516)	465704.94	3772883.13
0.31391	(10120516)	465709.33	3772883.13	0.31280	(10120516)	465713.72	3772883.13
0.31172	(10120516)	465718.11	3772883.13	0.31055	(10120516)	465630.31	3772886.37
0.34682	(10120516)	465634.70	3772886.37	0.34583	(10120516)	465639.09	3772886.37
0.34499	(10120516)	465643.48	3772886.37	0.34411	(10120516)	465647.87	3772886.37
0.34305	(10120516)	465652.26	3772886.37	0.34200	(10120516)	465656.65	3772886.37
0.34110	(10120516)	465661.04	3772886.37	0.34018	(10120516)	465665.43	3772886.37

0.33910 (10120516)  
 □ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 17

\*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE1	***	INCLUDING SOURCE(S):	L0001054	, L0001055	, L0001056	,
L0001057	, L0001058					
	L0001059	, L0001060	, L0001061	, L0001062	, L0001063	, L0001064
L0001065	, L0001066					
	L0001067	, L0001068	, L0001069	, L0001070	, L0001071	, L0001072
L0001073	, L0001074					
	L0001075	, L0001076	, L0001077	, L0001078	, L0001079	, L0001080
L0001081	, . . .					

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

Rialto.ADO  
 \*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.33702	465669.82 (10120516)	3772886.37	0.33799 (10120516)	465674.21	3772886.37	
0.33494	465678.60 (10120516)	3772886.37	0.33606 (10120516)	465682.99	3772886.37	
0.33273	465687.38 (10120516)	3772886.37	0.33378 (10120516)	465691.77	3772886.37	
0.33055	465696.16 (10120516)	3772886.37	0.33172 (10120516)	465700.55	3772886.37	
0.32819	465704.94 (10120516)	3772886.37	0.32932 (10120516)	465709.33	3772886.37	
0.32589	465713.72 (10120516)	3772886.37	0.32711 (10120516)	465718.11	3772886.37	
0.36327	465630.31 (10120516)	3772889.61	0.36433 (10120516)	465634.70	3772889.61	
0.36152	465639.09 (10120516)	3772889.61	0.36243 (10120516)	465643.48	3772889.61	
0.35924	465647.87 (10120516)	3772889.61	0.36036 (10120516)	465652.26	3772889.61	
0.35740	465656.65 (10120516)	3772889.61	0.35834 (10120516)	465661.04	3772889.61	
0.35504	465665.43 (10120516)	3772889.61	0.35622 (10120516)	465669.82	3772889.61	
0.35309	465674.21 (10120516)	3772889.61	0.35407 (10120516)	465678.60	3772889.61	
0.35065	465682.99 (10120516)	3772889.61	0.35189 (10120516)	465687.38	3772889.61	
0.34857	465691.77 (10120516)	3772889.61	0.34960 (10120516)	465696.16	3772889.61	
0.34602	465700.55 (10120516)	3772889.61	0.34733 (10120516)	465704.94	3772889.61	
0.34379	465709.33 (10120516)	3772889.61	0.34488 (10120516)	465713.72	3772889.61	
0.38344	465718.11 (10120516)	3772889.61	0.34251 (10120516)	465630.31	3772892.85	
0.38148	465634.70 (10120516)	3772892.85	0.38230 (10120516)	465639.09	3772892.85	
0.37924	465643.48 (10120516)	3772892.85	0.38054 (10120516)	465647.87	3772892.85	
0.37715	465652.26 (10120516)	3772892.85	0.37804 (10120516)	465656.65	3772892.85	
0.37489	465661.04 (10120516)	3772892.85	0.37619 (10120516)	465665.43	3772892.85	



				Rialto.ADO		
0.37265	465669.82 (10120516)	3772892.85	0.37362	(10120516)	465674.21	3772892.85
0.37035	465678.60 (10120516)	3772892.85	0.37166	(10120516)	465682.99	3772892.85
0.36796	465687.38 (10120516)	3772892.85	0.36901	(10120516)	465691.77	3772892.85
0.36560	465696.16 (10120516)	3772892.85	0.36693	(10120516)	465700.55	3772892.85
0.36304	465704.94 (10120516)	3772892.85	0.36419	(10120516)	465709.33	3772892.85
0.36058	465713.72 (10120516)	3772892.85	0.36195	(10120516)	465718.11	3772892.85
0.40315	465630.31 (10120516)	3772896.09	0.40438	(10120516)	465634.70	3772896.09
0.40139	465639.09 (10120516)	3772896.09	0.40237	(10120516)	465643.48	3772896.09
0.39860	465647.87 (10120516)	3772896.09	0.39992	(10120516)	465652.26	3772896.09
0.39677	465656.65 (10120516)	3772896.09	0.39775	(10120516)	465661.04	3772896.09
0.39392	465665.43 (10120516)	3772896.09	0.39531	(10120516)	465669.82	3772896.09
0.39199	465674.21 (10120516)	3772896.09	0.39298	(10120516)	465678.60	3772896.09
0.38907	465682.99 (10120516)	3772896.09	0.39053	(10120516)	465687.38	3772896.09
0.38701	465691.77 (10120516)	3772896.09	0.38803	(10120516)	465696.16	3772896.09
0.38401	465700.55 (10120516)	3772896.09	0.38555	(10120516)	465704.94	3772896.09
0.38179	465709.33 (10120516)	3772896.09	0.38286	(10120516)	465713.72	3772896.09
0.42742	465718.11 (10120516)	3772896.09	0.38032	(10120516)	465630.31	3772899.33
0.42539	465634.70 (10120516)	3772899.33	0.42607	(10120516)	465639.09	3772899.33
0.42265	465643.48 (10120516)	3772899.33	0.42435	(10120516)	465647.87	3772899.33

\*\*\* AERMOD - VERSION 15181 \*\*\*     \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*     \*\*\*  
 \*\*\* 09:16:37

PAGE 18  
 \*\*MODELOPTS: RegDEFAULT CONC     ELEV     URBAN  
 \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION     VALUES FOR SOURCE GROUP:  
 SLINE1     \*\*\*

Rialto.ADO

INCLUDING SOURCE(S):

L0001057	, L0001058	,	L0001059	,	L0001060	,	L0001061	,	L0001062	,	L0001063	,	L0001064	,
L0001065	, L0001066	,	L0001067	,	L0001068	,	L0001069	,	L0001070	,	L0001071	,	L0001072	,
L0001073	, L0001074	,	L0001075	,	L0001076	,	L0001077	,	L0001078	,	L0001079	,	L0001080	,
L0001081	, . . .	,		,		,		,		,		,		,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.42043	465652.26 (10120516)	3772899.33	0.42121 (10120516)	465656.65	3772899.33	
0.41774	465661.04 (10120516)	3772899.33	0.41943 (10120516)	465665.43	3772899.33	
0.41533	465669.82 (10120516)	3772899.33	0.41621 (10120516)	465674.21	3772899.33	
0.41268	465678.60 (10120516)	3772899.33	0.41434 (10120516)	465682.99	3772899.33	
0.41007	465687.38 (10120516)	3772899.33	0.41107 (10120516)	465691.77	3772899.33	
0.40743	465696.16 (10120516)	3772899.33	0.40907 (10120516)	465700.55	3772899.33	
0.40460	465704.94 (10120516)	3772899.33	0.40573 (10120516)	465709.33	3772899.33	
0.40194	465713.72 (10120516)	3772899.33	0.40357 (10120516)	465718.11	3772899.33	
0.45139	465630.31 (10120516)	3772902.57	0.45287 (10120516)	465634.70	3772902.57	
0.44976	465639.09 (10120516)	3772902.57	0.45086 (10120516)	465643.48	3772902.57	
0.44614	465647.87 (10120516)	3772902.57	0.44774 (10120516)	465652.26	3772902.57	
0.44447	465656.65 (10120516)	3772902.57	0.44550 (10120516)	465661.04	3772902.57	
0.44078	465665.43 (10120516)	3772902.57	0.44249 (10120516)	465669.82	3772902.57	
0.43903	465674.21 (10120516)	3772902.57	0.44001 (10120516)	465678.60	3772902.57	
0.43529	465682.99 (10120516)	3772902.57	0.43710 (10120516)	465687.38	3772902.57	
	465691.77	3772902.57	0.43437 (10120516)	465696.16	3772902.57	

Rialto.ADO

0.43341	(10120516)				
	465700.55	3772902.57	0.43153	(10120516)	465704.94 3772902.57
0.42963	(10120516)				
	465709.33	3772902.57	0.42856	(10120516)	465713.72 3772902.57
0.42758	(10120516)				
	465718.11	3772902.57	0.42574	(10120516)	465630.31 3772905.81
0.48110	(10120516)				
	465634.70	3772905.81	0.47947	(10120516)	465639.09 3772905.81
0.47919	(10120516)				
	465643.48	3772905.81	0.47801	(10120516)	465647.87 3772905.81
0.47556	(10120516)				
	465652.26	3772905.81	0.47376	(10120516)	465656.65 3772905.81
0.47334	(10120516)				
	465661.04	3772905.81	0.47228	(10120516)	465665.43 3772905.81
0.46991	(10120516)				
	465669.82	3772905.81	0.46797	(10120516)	465674.21 3772905.81
0.46739	(10120516)				
	465678.60	3772905.81	0.46642	(10120516)	465682.99 3772905.81
0.46414	(10120516)				
	465687.38	3772905.81	0.46207	(10120516)	465691.77 3772905.81
0.46130	(10120516)				
	465696.16	3772905.81	0.46040	(10120516)	465700.55 3772905.81
0.45820	(10120516)				
	465704.94	3772905.81	0.45602	(10120516)	465709.33 3772905.81
0.45506	(10120516)				
	465713.72	3772905.81	0.45418	(10120516)	465718.11 3772905.81
0.45206	(10120516)				
	465630.31	3772909.05	0.51253	(10120516)	465634.70 3772909.05
0.51072	(10120516)				
	465639.09	3772909.05	0.51082	(10120516)	465643.48 3772909.05
0.50954	(10120516)				
	465647.87	3772909.05	0.50652	(10120516)	465652.26 3772909.05
0.50448	(10120516)				
	465656.65	3772909.05	0.50440	(10120516)	465661.04 3772909.05
0.50331	(10120516)				
	465665.43	3772909.05	0.50042	(10120516)	465669.82 3772909.05
0.49818	(10120516)				
	465674.21	3772909.05	0.49789	(10120516)	465678.60 3772909.05
0.49696	(10120516)				
	465682.99	3772909.05	0.49421	(10120516)	465687.38 3772909.05
0.49180	(10120516)				
	465691.77	3772909.05	0.49128	(10120516)	465696.16 3772909.05
0.49046	(10120516)				
	465700.55	3772909.05	0.48784	(10120516)	465704.94 3772909.05
0.48529	(10120516)				
	465709.33	3772909.05	0.48452	(10120516)	465713.72 3772909.05
0.48378	(10120516)				
	465718.11	3772909.05	0.48129	(10120516)	465630.31 3772912.29

Rialto.ADO

0.54764 (10120516)

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 19  
 \*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 SLINE1 \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 ,  
 L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 ,  
 L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 ,  
 L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.54628	465634.70 (10120516)	3772912.29	0.54561 (10120516)	465639.09	3772912.29	
0.54110	465643.48 (10120516)	3772912.29	0.54488 (10120516)	465647.87	3772912.29	
0.53918	465652.26 (10120516)	3772912.29	0.53874 (10120516)	465656.65	3772912.29	
0.53448	465661.04 (10120516)	3772912.29	0.53808 (10120516)	465665.43	3772912.29	
0.53202	465669.82 (10120516)	3772912.29	0.53185 (10120516)	465674.21	3772912.29	
0.52776	465678.60 (10120516)	3772912.29	0.53116 (10120516)	465682.99	3772912.29	
0.52477	465687.38 (10120516)	3772912.29	0.52490 (10120516)	465691.77	3772912.29	
0.52091	465696.16 (10120516)	3772912.29	0.52410 (10120516)	465700.55	3772912.29	
0.51741	465704.94 (10120516)	3772912.29	0.51787 (10120516)	465709.33	3772912.29	
0.51388	465713.72 (10120516)	3772912.29	0.51687 (10120516)	465718.11	3772912.29	

STCK1	X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.58463	465630.31 (10120516)	3772915.53	0.58693	Rialto.ADO (10120516)	465634.70	3772915.53	
0.58459	465639.09 (10120516)	3772915.53	0.58612	(10120516)	465643.48	3772915.53	
0.57703	465647.87 (10120516)	3772915.53	0.57979	(10120516)	465652.26	3772915.53	
0.57712	465656.65 (10120516)	3772915.53	0.57824	(10120516)	465661.04	3772915.53	
0.56945	465665.43 (10120516)	3772915.53	0.57260	(10120516)	465669.82	3772915.53	
0.56955	465674.21 (10120516)	3772915.53	0.57031	(10120516)	465678.60	3772915.53	
0.56185	465682.99 (10120516)	3772915.53	0.56531	(10120516)	465687.38	3772915.53	
0.56185	465691.77 (10120516)	3772915.53	0.56232	(10120516)	465696.16	3772915.53	
0.55420	465700.55 (10120516)	3772915.53	0.55791	(10120516)	465704.94	3772915.53	
0.55398	465709.33 (10120516)	3772915.53	0.55423	(10120516)	465713.72	3772915.53	
	465718.11	3772915.53	0.55035	(10120516)			

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\* 09:16:37

PAGE 20

\*\*MODELOPTs: RegDFault CONC      ELEV      URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 STCK1      \*\*\*  
 INCLUDING SOURCE(S):      STCK1      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.12491	465630.31 (08110717)	0.12830	(08110717)	465634.70	3772850.73	
0.12174	465639.09 (08092918)	0.12312	(09011117)	465643.48	3772850.73	
0.12007	465647.87 (08092918)	0.12123	(08092918)	465652.26	3772850.73	

				Rialto.ADO		
0.11623	465656.65 (08092918)	3772850.73	0.11838	(08092918)	465661.04	3772850.73
0.11091	465665.43 (08092918)	3772850.73	0.11372	(08092918)	465669.82	3772850.73
0.11117	465674.21 (09090219)	3772850.73	0.10849	(09090219)	465678.60	3772850.73
0.11394	465682.99 (09090219)	3772850.73	0.11296	(09090219)	465687.38	3772850.73
0.11305	465691.77 (09090219)	3772850.73	0.11418	(09090219)	465696.16	3772850.73
0.10894	465700.55 (09090219)	3772850.73	0.11118	(09090219)	465704.94	3772850.73
0.10357	465709.33 (09090219)	3772850.73	0.10638	(09090219)	465713.72	3772850.73
0.13020	465718.11 (08110717)	3772850.73	0.10057	(09090219)	465630.31	3772853.97
0.12566	465634.70 (09011117)	3772853.97	0.12767	(09011117)	465639.09	3772853.97
0.12445	465643.48 (08092918)	3772853.97	0.12536	(08092918)	465647.87	3772853.97
0.12081	465652.26 (08092918)	3772853.97	0.12290	(08092918)	465656.65	3772853.97
0.11543	465661.04 (08092918)	3772853.97	0.11829	(08092918)	465665.43	3772853.97
0.10989	465669.82 (08051619)	3772853.97	0.11247	(08051619)	465674.21	3772853.97
0.11133	465678.60 (09090219)	3772853.97	0.10991	(09090219)	465682.99	3772853.97
0.11191	465687.38 (09090219)	3772853.97	0.11197	(09090219)	465691.77	3772853.97
0.10897	465696.16 (09090219)	3772853.97	0.11116	(09090219)	465700.55	3772853.97
0.10365	465704.94 (09090219)	3772853.97	0.10645	(09090219)	465709.33	3772853.97
0.10032	465713.72 (07083119)	3772853.97	0.10064	(09090219)	465718.11	3772853.97
0.13045	465630.31 (09011117)	3772857.21	0.13212	(09011117)	465634.70	3772857.21
0.12886	465639.09 (08092918)	3772857.21	0.12943	(08092918)	465643.48	3772857.21
0.12554	465647.87 (08092918)	3772857.21	0.12752	(08092918)	465652.26	3772857.21
0.12014	465656.65 (08092918)	3772857.21	0.12305	(08092918)	465661.04	3772857.21
0.11451	465665.43 (08051619)	3772857.21	0.11717	(08051619)	465669.82	3772857.21
0.10853	465674.21 (08051619)	3772857.21	0.11161	(08051619)	465678.60	3772857.21

Source ID	X-Coord (M)	Y-Coord (M)	Conc	Source Name	X-Coord (M)	Y-Coord (M)
0.10940	465682.99	3772857.21	0.10909	Rialto.ADO (09090219)	465687.38	3772857.21
0.10815	465691.77	3772857.21	0.10906	(09090219)	465696.16	3772857.21
0.10354	465700.55	3772857.21	0.10631	(09090219)	465704.94	3772857.21
0.10219	465709.33	3772857.21	0.10215	(07083119)	465713.72	3772857.21
0.13532	465718.11	3772857.21	0.10196	(07083119)	465630.31	3772860.45
0.13322	465634.70	3772860.45	0.13335	(08092918)	465639.09	3772860.45
0.13038	465643.48	3772860.45	0.13218	(08092918)	465647.87	3772860.45
0.12504	465652.26	3772860.45	0.12796	(08092918)	465656.65	3772860.45
0.11936	465661.04	3772860.45	0.12209	(08051619)	465665.43	3772860.45
0.11311	465669.82	3772860.45	0.11634	(08051619)	465674.21	3772860.45
0.10625	465678.60	3772860.45	0.10973	(08051619)	465682.99	3772860.45
0.10562	465687.38	3772860.45	0.10623	(09090219)	465691.77	3772860.45
0.10354	465696.16	3772860.45	0.10450	(09090219)	465700.55	3772860.45

\*\*\* AERMOD - VERSION 15181 \*\*\*     \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*     \*\*\*  
 \*\*\* 09:16:37

PAGE 21  
 \*\*MODELOPTS: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 STCK1     \*\*\*  
 INCLUDING SOURCE(S):     STCK1     ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

Source ID	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.10401	465704.94	3772860.45	0.10393	(07083119)	465709.33	3772860.45	

0.10336	465713.72 (07083119)	3772860.45	0.10380	Rialto.ADO (07083119)	465718.11	3772860.45
0.13744	465630.31 (08092918)	3772863.69	0.13985	(09020120)	465634.70	3772863.69
0.13529	465639.09 (08092918)	3772863.69	0.13682	(08092918)	465643.48	3772863.69
0.13011	465647.87 (08092918)	3772863.69	0.13300	(08092918)	465652.26	3772863.69
0.12445	465656.65 (08051619)	3772863.69	0.12724	(08051619)	465661.04	3772863.69
0.11793	465665.43 (08051619)	3772863.69	0.12132	(08051619)	465669.82	3772863.69
0.11067	465674.21 (08051619)	3772863.69	0.11436	(08051619)	465678.60	3772863.69
0.10329	465682.99 (08113017)	3772863.69	0.10692	(08051619)	465687.38	3772863.69
0.10514	465691.77 (07083119)	3772863.69	0.10429	(07083119)	465696.16	3772863.69
0.10575	465700.55 (07083119)	3772863.69	0.10562	(07083119)	465704.94	3772863.69
0.10515	465709.33 (07083119)	3772863.69	0.10558	(07083119)	465713.72	3772863.69
0.14426	465718.11 (09020120)	3772863.69	0.10448	(07083119)	465630.31	3772866.93
0.14017	465634.70 (08092918)	3772866.93	0.14133	(08092918)	465639.09	3772866.93
0.13531	465643.48 (08092918)	3772866.93	0.13811	(08092918)	465647.87	3772866.93
0.12977	465652.26 (08051619)	3772866.93	0.13258	(08051619)	465656.65	3772866.93
0.12300	465661.04 (08051619)	3772866.93	0.12654	(08051619)	465665.43	3772866.93
0.11534	465669.82 (08051619)	3772866.93	0.11924	(08051619)	465674.21	3772866.93
0.10733	465678.60 (08051619)	3772866.93	0.11135	(08051619)	465682.99	3772866.93
0.10662	465687.38 (07083119)	3772866.93	0.10564	(07083119)	465691.77	3772866.93
0.10740	465696.16 (07083119)	3772866.93	0.10720	(07083119)	465700.55	3772866.93
0.10686	465704.94 (07083119)	3772866.93	0.10728	(07083119)	465709.33	3772866.93
0.10531	465713.72 (07083119)	3772866.93	0.10620	(07083119)	465718.11	3772866.93
0.14493	465630.31 (08092918)	3772870.17	0.14847	(09020120)	465634.70	3772870.17
0.14058	465639.09 (08092918)	3772870.17	0.14320	(08092918)	465643.48	3772870.17



STCK1	CONC	ELEV	URBAN	CONC	ELEV	URBAN
0.13529	465647.87 (08051619)	3772870.17	0.13808	Rialto.ADO (08051619)	465652.26	3772870.17
0.12832	465656.65 (08051619)	3772870.17	0.13199	(08051619)	465661.04	3772870.17
0.12024	465665.43 (08051619)	3772870.17	0.12437	(08051619)	465669.82	3772870.17
0.11173	465674.21 (08051619)	3772870.17	0.11601	(08051619)	465678.60	3772870.17
0.10793	465682.99 (07083119)	3772870.17	0.10904	(08113017)	465687.38	3772870.17
0.10892	465691.77 (07083119)	3772870.17	0.10863	(07083119)	465696.16	3772870.17
0.10847	465700.55 (07083119)	3772870.17	0.10886	(07083119)	465704.94	3772870.17
0.10692	465709.33 (07083119)	3772870.17	0.10782	(07083119)	465713.72	3772870.17
0.15291	465718.11 (09102520)	3772870.17	0.10582	(07083119)	465630.31	3772873.41
0.14584	465634.70 (08092918)	3772873.41	0.14898	(09102520)	465639.09	3772873.41
0.14098	465643.48 (08051619)	3772873.41	0.14369	(08051619)	465647.87	3772873.41
0.13386	465652.26 (08051619)	3772873.41	0.13765	(08051619)	465656.65	3772873.41
0.12538	465661.04 (08051619)	3772873.41	0.12973	(08051619)	465665.43	3772873.41
0.11633	465669.82 (08051619)	3772873.41	0.12089	(08051619)	465674.21	3772873.41
0.11064	465678.60 (08113017)	3772873.41	0.11314	(08113017)	465682.99	3772873.41

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*                    09:16:37

PAGE 22  
 \*\*MODELOPTS: RegDFAULT CONC      ELEV      URBAN

STCK1      \*\*\*      \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
    INCLUDING SOURCE(S):      STCK1      ,

   \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

   \*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>      \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
---------------------------	-------------	------	------------	-------------	-------------	------

Rialto.ADO

0.11027	465687.38 (07083119)	3772873.41	0.10988	(07083119)	465691.77	3772873.41
0.10995	465696.16 (07083119)	3772873.41	0.11028	(07083119)	465700.55	3772873.41
0.10842	465704.94 (07083119)	3772873.41	0.10931	(07083119)	465709.33	3772873.41
0.10600	465713.72 (07083119)	3772873.41	0.10731	(07083119)	465718.11	3772873.41
0.15347	465630.31 (09102520)	3772876.65	0.15826	(09102520)	465634.70	3772876.65
0.14677	465639.09 (08051619)	3772876.65	0.14932	(08051619)	465643.48	3772876.65
0.13960	465647.87 (08051619)	3772876.65	0.14347	(08051619)	465652.26	3772876.65
0.13074	465656.65 (08051619)	3772876.65	0.13531	(08051619)	465661.04	3772876.65
0.12115	465665.43 (08051619)	3772876.65	0.12599	(08051619)	465669.82	3772876.65
0.11475	465674.21 (08113017)	3772876.65	0.11738	(08113017)	465678.60	3772876.65
0.11142	465682.99 (07083119)	3772876.65	0.11194	(08113017)	465687.38	3772876.65
0.11125	465691.77 (07083119)	3772876.65	0.11152	(07083119)	465696.16	3772876.65
0.10977	465700.55 (07083119)	3772876.65	0.11065	(07083119)	465704.94	3772876.65
0.10733	465709.33 (07083119)	3772876.65	0.10865	(07083119)	465713.72	3772876.65
0.16333	465718.11 (09102520)	3772876.65	0.10583	(07083119)	465630.31	3772879.89
0.15258	465634.70 (08051619)	3772879.89	0.15762	(09102520)	465639.09	3772879.89
0.14549	465643.48 (08051619)	3772879.89	0.14939	(08051619)	465647.87	3772879.89
0.13629	465652.26 (08051619)	3772879.89	0.14107	(08051619)	465656.65	3772879.89
0.12666	465661.04 (10100118)	3772879.89	0.13128	(08051619)	465665.43	3772879.89
0.11899	465669.82 (08113017)	3772879.89	0.12269	(10100118)	465674.21	3772879.89
0.11293	465678.60 (08113017)	3772879.89	0.11603	(08113017)	465682.99	3772879.89
0.11233	465687.38 (07083119)	3772879.89	0.11252	(07083119)	465691.77	3772879.89
0.11093	465696.16 (07083119)	3772879.89	0.11179	(07083119)	465700.55	3772879.89

			Rialto.ADO		
0.10849	465704.94 (07083119)	3772879.89	0.10982 (07083119)	465709.33	3772879.89
0.10530	465713.72 (07083119)	3772879.89	0.10697 (07083119)	465718.11	3772879.89
0.16131	465630.31 (09102520)	3772883.13	0.16798 (09102520)	465634.70	3772883.13
0.15145	465639.09 (08051619)	3772883.13	0.15530 (08051619)	465643.48	3772883.13
0.14199	465647.87 (08051619)	3772883.13	0.14695 (08051619)	465652.26	3772883.13
0.13279	465656.65 (10100118)	3772883.13	0.13683 (10100118)	465661.04	3772883.13
0.12417	465665.43 (10100118)	3772883.13	0.12854 (10100118)	465669.82	3772883.13
0.11694	465674.21 (08113017)	3772883.13	0.12022 (08113017)	465678.60	3772883.13
0.11315	465682.99 (07083119)	3772883.13	0.11356 (08113017)	465687.38	3772883.13
0.11187	465691.77 (07083119)	3772883.13	0.11267 (07083119)	465696.16	3772883.13
0.10945	465700.55 (07083119)	3772883.13	0.11078 (07083119)	465704.94	3772883.13
0.10622	465709.33 (07083119)	3772883.13	0.10792 (07083119)	465713.72	3772883.13
0.17209	465718.11 (09102520)	3772883.13	0.10440 (07083119)	465630.31	3772886.37
0.15737	465634.70 (08051619)	3772886.37	0.16441 (09102520)	465639.09	3772886.37
0.14777	465643.48 (08051619)	3772886.37	0.15286 (08051619)	465647.87	3772886.37
0.13924	465652.26 (10100118)	3772886.37	0.14352 (10100118)	465656.65	3772886.37
0.13001	465661.04 (10100118)	3772886.37	0.13470 (10100118)	465665.43	3772886.37

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\* 09:16:37

PAGE 23  
 \*\*MODELOPTs: RegDEFAULT CONC      ELEV      URBAN  
 STCK1      \*\*\*  
 \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S):      STCK1      ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

Rialto.ADO  
 \*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M\*\*3

\*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.12103	465669.82 (08113017)	3772886.37	0.12525 (10100118)	465674.21	3772886.37	
0.11395	465678.60 (11102818)	3772886.37	0.11745 (08113017)	465682.99	3772886.37	
0.11251	465687.38 (07083119)	3772886.37	0.11325 (07083119)	465691.77	3772886.37	
0.11016	465696.16 (07083119)	3772886.37	0.11147 (07083119)	465700.55	3772886.37	
0.10693	465704.94 (07083119)	3772886.37	0.10863 (07083119)	465709.33	3772886.37	
0.10342	465713.72 (10110217)	3772886.37	0.10508 (07083119)	465718.11	3772886.37	
0.16679	465630.31 (09102520)	3772889.61	0.17549 (09102520)	465634.70	3772889.61	
0.15447	465639.09 (10100118)	3772889.61	0.15867 (08051619)	465643.48	3772889.61	
0.14598	465647.87 (10100118)	3772889.61	0.15047 (10100118)	465652.26	3772889.61	
0.13613	465656.65 (10100118)	3772889.61	0.14115 (10100118)	465661.04	3772889.61	
0.12589	465665.43 (10100118)	3772889.61	0.13102 (10100118)	465669.82	3772889.61	
0.11777	465674.21 (11102818)	3772889.61	0.12137 (08113017)	465678.60	3772889.61	
0.11282	465682.99 (07083119)	3772889.61	0.11454 (11102818)	465687.38	3772889.61	
0.11056	465691.77 (07083119)	3772889.61	0.11183 (07083119)	465696.16	3772889.61	
0.10736	465700.55 (07083119)	3772889.61	0.10906 (07083119)	465704.94	3772889.61	
0.10353	465709.33 (07083119)	3772889.61	0.10551 (07083119)	465713.72	3772889.61	
0.17802	465718.11 (09102520)	3772889.61	0.10203 (10110217)	465630.31	3772892.85	
0.16167	465634.70 (10100118)	3772892.85	0.16831 (09102520)	465639.09	3772892.85	
0.15295	465643.48 (10100118)	3772892.85	0.15762 (10100118)	465647.87	3772892.85	
0.14249	465652.26 (10100118)	3772892.85	0.14785 (10100118)	465656.65	3772892.85	
0.13151	465661.04 (10100118)	3772892.85	0.13701 (10100118)	465665.43	3772892.85	

				Rialto.ADO			
0.12159	465669.82 (11102818)	3772892.85	0.12605	(10100118)	465674.21	3772892.85	
0.11471	465678.60 (11102818)	3772892.85	0.11819	(11102818)	465682.99	3772892.85	
0.11061	465687.38 (07083119)	3772892.85	0.11181	(07083119)	465691.77	3772892.85	
0.10748	465696.16 (07083119)	3772892.85	0.10915	(07083119)	465700.55	3772892.85	
0.10366	465704.94 (07083119)	3772892.85	0.10564	(07083119)	465709.33	3772892.85	
0.10009	465713.72 (10110217)	3772892.85	0.10158	(07083119)	465718.11	3772892.85	
0.17100	465630.31 (09012824)	3772896.09	0.17949	(09102520)	465634.70	3772896.09	
0.16005	465639.09 (10100118)	3772896.09	0.16530	(07122319)	465643.48	3772896.09	
0.14904	465647.87 (10100118)	3772896.09	0.15471	(10100118)	465652.26	3772896.09	
0.13729	465656.65 (10100118)	3772896.09	0.14319	(10100118)	465661.04	3772896.09	
0.12568	465665.43 (10100118)	3772896.09	0.13143	(10100118)	465669.82	3772896.09	
0.11813	465674.21 (11102818)	3772896.09	0.12178	(11102818)	465678.60	3772896.09	
0.11073	465682.99 (11102818)	3772896.09	0.11443	(11102818)	465687.38	3772896.09	
0.10722	465691.77 (07083119)	3772896.09	0.10884	(07083119)	465696.16	3772896.09	
0.10346	465700.55 (07083119)	3772896.09	0.10541	(07083119)	465704.94	3772896.09	
0.09952	465709.33 (10071520)	3772896.09	0.10139	(07083119)	465713.72	3772896.09	
0.18101	465718.11 (09012824)	3772896.09	0.09963	(10071520)	465630.31	3772899.33	
0.16940	465634.70 (07122319)	3772899.33	0.17560	(07122319)	465639.09	3772899.33	
0.15568	465643.48 (07122319)	3772899.33	0.16268	(07122319)	465647.87	3772899.33	

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\* 09:16:37

PAGE 24  
 \*\*MODELOPTs: RegDEFAULT CONC ELEV URBAN  
 \*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 STCK1 \*\*\*

Rialto.ADO  
 INCLUDING SOURCE(S): STCK1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.14318	465652.26 (10100118)	3772899.33	0.14947 (10100118)	465656.65	3772899.33	
0.13079	465661.04 (07112404)	3772899.33	0.13691 (10100118)	465665.43	3772899.33	
0.12143	465669.82 (11102818)	3772899.33	0.12523 (11102818)	465674.21	3772899.33	
0.11368	465678.60 (11102818)	3772899.33	0.11756 (11102818)	465682.99	3772899.33	
0.10651	465687.38 (07083119)	3772899.33	0.10982 (11102818)	465691.77	3772899.33	
0.10286	465696.16 (07083119)	3772899.33	0.10477 (07083119)	465700.55	3772899.33	
0.10186	465704.94 (10071520)	3772899.33	0.10151 (10071520)	465709.33	3772899.33	
0.10190	465713.72 (10071520)	3772899.33	0.10198 (10071520)	465718.11	3772899.33	
0.17979	465630.31 (07122319)	3772902.57	0.18629 (07122319)	465634.70	3772902.57	
0.16498	465639.09 (07122319)	3772902.57	0.17258 (07122319)	465643.48	3772902.57	
0.15089	465647.87 (08123017)	3772902.57	0.15726 (07122319)	465652.26	3772902.57	
0.13841	465656.65 (08123017)	3772902.57	0.14462 (08123017)	465661.04	3772902.57	
0.12662	465665.43 (08030906)	3772902.57	0.13233 (08123017)	465669.82	3772902.57	
0.11714	465674.21 (08030906)	3772902.57	0.12183 (08030906)	465678.60	3772902.57	
0.10846	465682.99 (11102818)	3772902.57	0.11260 (08030906)	465687.38	3772902.57	
0.10338	465691.77 (07010706)	3772902.57	0.10582 (07010706)	465696.16	3772902.57	
0.10402	465700.55 (10071520)	3772902.57	0.10363 (10071520)	465704.94	3772902.57	
0.10408	465709.33 (10071520)	3772902.57	0.10416 (10071520)	465713.72	3772902.57	
0.19046	465718.11 (07122319)	3772902.57	0.10381 (10071520)	465630.31	3772905.81	

			Rialto.ADO (07122319)		
0.17466	465634.70	3772905.81	0.18284	(07122319)	465639.09 3772905.81
	(07122319)				
0.16085	465643.48	3772905.81	0.16774	(08123017)	465647.87 3772905.81
	(08123017)				
0.14698	465652.26	3772905.81	0.15389	(08123017)	465656.65 3772905.81
	(08123017)				
0.13400	465661.04	3772905.81	0.14023	(08123017)	465665.43 3772905.81
	(08030906)				
0.12352	465669.82	3772905.81	0.12869	(08030906)	465674.21 3772905.81
	(08030906)				
0.11368	465678.60	3772905.81	0.11851	(08030906)	465682.99 3772905.81
	(08030906)				
0.10656	465687.38	3772905.81	0.10912	(07010706)	465691.77 3772905.81
	(07010706)				
0.10593	465696.16	3772905.81	0.10548	(10071520)	465700.55 3772905.81
	(10071520)				
0.10605	465704.94	3772905.81	0.10611	(10071520)	465709.33 3772905.81
	(10071520)				
0.10533	465713.72	3772905.81	0.10578	(10071520)	465718.11 3772905.81
	(10071520)				
0.18623	465630.31	3772909.05	0.19500	(08011321)	465634.70 3772909.05
	(08123017)				
0.17145	465639.09	3772909.05	0.17903	(08123017)	465643.48 3772909.05
	(08123017)				
0.15608	465647.87	3772909.05	0.16373	(08123017)	465652.26 3772909.05
	(08123017)				
0.14178	465656.65	3772909.05	0.14860	(08123017)	465661.04 3772909.05
	(08030906)				
0.13022	465665.43	3772909.05	0.13593	(08030906)	465669.82 3772909.05
	(08030906)				
0.11940	465674.21	3772909.05	0.12470	(08030906)	465678.60 3772909.05
	(08030906)				
0.10962	465682.99	3772909.05	0.11433	(08030906)	465687.38 3772909.05
	(07010706)				
0.10752	465691.77	3772909.05	0.10698	(10071520)	465696.16 3772909.05
	(10071520)				
0.10774	465700.55	3772909.05	0.10776	(10071520)	465704.94 3772909.05
	(10071520)				
0.10705	465709.33	3772909.05	0.10749	(10071520)	465713.72 3772909.05
	(10071520)				
0.19991	465718.11	3772909.05	0.10644	(10071520)	465630.31 3772912.29
	(07010718)				

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*                    09:16:37

\*\*MODELOPTs: RegDFAULT CONC

ELEV

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

STCK1 \*\*\*

INCLUDING SOURCE(S): STCK1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

	X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.18255	465634.70 (08123017)	3772912.29	0.19082	(08123017)	465639.09	3772912.29	
0.16563	465643.48 (08123017)	3772912.29	0.17408	(08123017)	465647.87	3772912.29	
0.14992	465652.26 (08030906)	3772912.29	0.15737	(08123017)	465656.65	3772912.29	
0.13720	465661.04 (08030906)	3772912.29	0.14347	(08030906)	465665.43	3772912.29	
0.12533	465669.82 (08030906)	3772912.29	0.13114	(08030906)	465674.21	3772912.29	
0.11452	465678.60 (08030906)	3772912.29	0.11979	(08030906)	465682.99	3772912.29	
0.10869	465687.38 (10071520)	3772912.29	0.10965	(07010706)	465691.77	3772912.29	
0.10906	465696.16 (10071520)	3772912.29	0.10902	(10071520)	465700.55	3772912.29	
0.10845	465704.94 (10071520)	3772912.29	0.10886	(10071520)	465709.33	3772912.29	
0.10710	465713.72 (10071520)	3772912.29	0.10786	(10071520)	465718.11	3772912.29	
0.19394	465630.31 (08123017)	3772915.53	0.20408	(07010718)	465634.70	3772915.53	
0.17548	465639.09 (08123017)	3772915.53	0.18473	(08123017)	465643.48	3772915.53	
0.15830	465647.87 (08030906)	3772915.53	0.16642	(08123017)	465652.26	3772915.53	
0.14437	465656.65 (08030906)	3772915.53	0.15124	(08030906)	465661.04	3772915.53	
0.13141	465665.43 (08030906)	3772915.53	0.13775	(08030906)	465669.82	3772915.53	
0.11965	465674.21 (08030906)	3772915.53	0.12538	(08030906)	465678.60	3772915.53	
0.11103	465682.99 (10110717)	3772915.53	0.11467	(08020507)	465687.38	3772915.53	



				Rialto.ADO		
0.10995	465691.77 (10071520)	3772915.53	0.10980	(10071520)	465696.16	3772915.53
0.10947	465700.55 (10071520)	3772915.53	0.10982	(10071520)	465704.94	3772915.53
0.10818	465709.33 (10071520)	3772915.53	0.10891	(10071520)	465713.72	3772915.53
	465718.11	3772915.53	0.10731	(10071520)		

□ \*\*\* AERMOD - VERSION 15181 \*\*\*     \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*     \*\*\*  
 \*\*\*                    09:16:37

PAGE 26  
 \*\*MODELOPTS: RegDFAULT CONC            ELEV            URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL            \*\*\*

   INCLUDING SOURCE(S):    L0001054    , L0001055    , L0001056    ,

L0001057    , L0001058    ,  
    L0001059    , L0001060    , L0001061    , L0001062    , L0001063    , L0001064    ,

L0001065    , L0001066    ,  
    L0001067    , L0001068    , L0001069    , L0001070    , L0001071    , L0001072    ,

L0001073    , L0001074    ,  
    L0001075    , L0001076    , L0001077    , L0001078    , L0001079    , L0001080    ,

L0001081    , . . .    ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.22622	465630.31 (08102123)	3772850.73	0.22680	(08102123)	465634.70	3772850.73
0.22522	465639.09 (09010316)	3772850.73	0.22546	(09010316)	465643.48	3772850.73
0.22474	465647.87 (09010316)	3772850.73	0.22498	(09010316)	465652.26	3772850.73
0.22684	465656.65 (09090219)	3772850.73	0.22450	(09010316)	465661.04	3772850.73
0.23675	465665.43 (09090219)	3772850.73	0.23227	(09090219)	465669.82	3772850.73
0.24285	465674.21 (09090219)	3772850.73	0.24027	(09090219)	465678.60	3772850.73
	465682.99	3772850.73	0.24454	(09090219)	465687.38	3772850.73

Rialto.ADO

0.24532 (09090219)	465691.77	3772850.73	0.24529 (09090219)	465696.16	3772850.73
0.24388 (09090219)	465700.55	3772850.73	0.24173 (09090219)	465704.94	3772850.73
0.23920 (09090219)	465709.33	3772850.73	0.23637 (09090219)	465713.72	3772850.73
0.23327 (09090219)	465718.11	3772850.73	0.22998 (09090219)	465630.31	3772853.97
0.23275 (09010316)	465634.70	3772853.97	0.23249 (09010316)	465639.09	3772853.97
0.23223 (09010316)	465643.48	3772853.97	0.23198 (09010316)	465647.87	3772853.97
0.23172 (09010316)	465652.26	3772853.97	0.23146 (09010316)	465656.65	3772853.97
0.23121 (09010316)	465661.04	3772853.97	0.23095 (09010316)	465665.43	3772853.97
0.23593 (09090219)	465669.82	3772853.97	0.23997 (09090219)	465674.21	3772853.97
0.24305 (09090219)	465678.60	3772853.97	0.24522 (09090219)	465682.99	3772853.97
0.24650 (09090219)	465687.38	3772853.97	0.24686 (09090219)	465691.77	3772853.97
0.24651 (09090219)	465696.16	3772853.97	0.24547 (09090219)	465700.55	3772853.97
0.24299 (09090219)	465704.94	3772853.97	0.24018 (09090219)	465709.33	3772853.97
0.23709 (09090219)	465713.72	3772853.97	0.23378 (09090219)	465718.11	3772853.97
0.23031 (09090219)	465630.31	3772857.21	0.23998 (09010316)	465634.70	3772857.21
0.23970 (09010316)	465639.09	3772857.21	0.23942 (09010316)	465643.48	3772857.21
0.23915 (09010316)	465647.87	3772857.21	0.23887 (09010316)	465652.26	3772857.21
0.23860 (09010316)	465656.65	3772857.21	0.23832 (09010316)	465661.04	3772857.21
0.23805 (09010316)	465665.43	3772857.21	0.23921 (09090219)	465669.82	3772857.21
0.24279 (09090219)	465674.21	3772857.21	0.24542 (09090219)	465678.60	3772857.21
0.24717 (09090219)	465682.99	3772857.21	0.24797 (09090219)	465687.38	3772857.21
0.24798 (09090219)	465691.77	3772857.21	0.24734 (09090219)	465696.16	3772857.21
0.24613 (09090219)	465700.55	3772857.21	0.24399 (09090219)	465704.94	3772857.21
0.24092 (09090219)	465709.33	3772857.21	0.23761 (09090219)	465713.72	3772857.21

Rialto.ADO

0.23499	(09010316)					
	465718.11	3772857.21	0.23477	(09010316)	465630.31	3772860.45
0.24907	(10120516)					
	465634.70	3772860.45	0.24838	(10120516)	465639.09	3772860.45
0.24768	(10120516)					
	465643.48	3772860.45	0.24698	(10120516)	465647.87	3772860.45
0.24647	(09010316)					
	465652.26	3772860.45	0.24617	(09010316)	465656.65	3772860.45
0.24588	(09010316)					
	465661.04	3772860.45	0.24558	(09010316)	465665.43	3772860.45
0.24529	(09010316)					
	465669.82	3772860.45	0.24519	(09090219)	465674.21	3772860.45
0.24737	(09090219)					
	465678.60	3772860.45	0.24865	(09090219)	465682.99	3772860.45
0.24903	(09090219)					
	465687.38	3772860.45	0.24872	(09090219)	465691.77	3772860.45
0.24780	(09090219)					
	465696.16	3772860.45	0.24636	(09090219)	465700.55	3772860.45
0.24467	(09090219)					

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 27

\*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 ,  
 L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 ,  
 L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 ,  
 L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
465704.94	3772860.45	0.24279	(09010316)	465709.33	3772860.45	
0.24253	(09010316)					

0.24204	465713.72 (09010316)	3772860.45	0.24228	Rialto.ADO (09010316)	465718.11	3772860.45
0.25808	465630.31 (10120516)	3772863.69	0.25878	(10120516)	465634.70	3772863.69
0.25666	465639.09 (10120516)	3772863.69	0.25737	(10120516)	465643.48	3772863.69
0.25516	465647.87 (10120516)	3772863.69	0.25592	(10120516)	465652.26	3772863.69
0.25361	465656.65 (10120516)	3772863.69	0.25439	(10120516)	465661.04	3772863.69
0.25297	465665.43 (09010316)	3772863.69	0.25328	(09010316)	465669.82	3772863.69
0.25235	465674.21 (09010316)	3772863.69	0.25266	(09010316)	465678.60	3772863.69
0.25174	465682.99 (09010316)	3772863.69	0.25204	(09010316)	465687.38	3772863.69
0.25115	465691.77 (09010316)	3772863.69	0.25144	(09010316)	465696.16	3772863.69
0.25058	465700.55 (09010316)	3772863.69	0.25086	(09010316)	465704.94	3772863.69
0.25002	465709.33 (09010316)	3772863.69	0.25030	(09010316)	465713.72	3772863.69
0.26913	465718.11 (10120516)	3772863.69	0.24976	(09010316)	465630.31	3772866.93
0.26770	465634.70 (10120516)	3772866.93	0.26841	(10120516)	465639.09	3772866.93
0.26622	465643.48 (10120516)	3772866.93	0.26697	(10120516)	465647.87	3772866.93
0.26466	465652.26 (10120516)	3772866.93	0.26544	(10120516)	465656.65	3772866.93
0.26306	465661.04 (10120516)	3772866.93	0.26388	(10120516)	465665.43	3772866.93
0.26135	465669.82 (10120516)	3772866.93	0.26221	(10120516)	465674.21	3772866.93
0.26046	465678.60 (09010316)	3772866.93	0.26079	(09010316)	465682.99	3772866.93
0.25981	465687.38 (09010316)	3772866.93	0.26013	(09010316)	465691.77	3772866.93
0.25918	465696.16 (09010316)	3772866.93	0.25949	(09010316)	465700.55	3772866.93
0.25857	465704.94 (09010316)	3772866.93	0.25887	(09010316)	465709.33	3772866.93
0.25798	465713.72 (09010316)	3772866.93	0.25827	(09010316)	465718.11	3772866.93
0.27945	465630.31 (10120516)	3772870.17	0.28019	(10120516)	465634.70	3772870.17
0.27798	465639.09 (10120516)	3772870.17	0.27872	(10120516)	465643.48	3772870.17

		Rialto.ADO			
0.27641	465647.87 (10120516)	3772870.17	0.27721	(10120516)	465652.26 3772870.17
0.27483	465656.65 (10120516)	3772870.17	0.27562	(10120516)	465661.04 3772870.17
0.27313	465665.43 (10120516)	3772870.17	0.27399	(10120516)	465669.82 3772870.17
0.27139	465674.21 (10120516)	3772870.17	0.27226	(10120516)	465678.60 3772870.17
0.26953	465682.99 (10120516)	3772870.17	0.27048	(10120516)	465687.38 3772870.17
0.26839	465691.77 (09010316)	3772870.17	0.26874	(09010316)	465696.16 3772870.17
0.26772	465700.55 (09010316)	3772870.17	0.26805	(09010316)	465704.94 3772870.17
0.26706	465709.33 (09010316)	3772870.17	0.26739	(09010316)	465713.72 3772870.17
0.29203	465718.11 (10120516)	3772870.17	0.26675	(09010316)	465630.31 3772873.41
0.29052	465634.70 (10120516)	3772873.41	0.29126	(10120516)	465639.09 3772873.41
0.28897	465643.48 (10120516)	3772873.41	0.28977	(10120516)	465647.87 3772873.41
0.28735	465652.26 (10120516)	3772873.41	0.28815	(10120516)	465656.65 3772873.41
0.28569	465661.04 (10120516)	3772873.41	0.28654	(10120516)	465665.43 3772873.41
0.28392	465669.82 (10120516)	3772873.41	0.28480	(10120516)	465674.21 3772873.41
0.28212	465678.60 (10120516)	3772873.41	0.28304	(10120516)	465682.99 3772873.41

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*                    09:16:37

PAGE 28  
 \*\*MODELOPTS: RegDFAULT CONC            ELEV            URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL            \*\*\*  
                                  INCLUDING SOURCE(S):    L0001054    ,    L0001055    ,    L0001056    ,  
 L0001057    ,    L0001058    ,  
                                  L0001059    ,    L0001060    ,    L0001061    ,    L0001062    ,    L0001063    ,    L0001064    ,  
 L0001065    ,    L0001066    ,  
                                  L0001067    ,    L0001068    ,    L0001069    ,    L0001070    ,    L0001071    ,    L0001072    ,  
 L0001073    ,    L0001074    ,  
                                  L0001075    ,    L0001076    ,    L0001077    ,    L0001078    ,    L0001079    ,    L0001080    ,  
 L0001081    ,    . . .    ,

Rialto.ADO

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.28018	465687.38 (10120516)	0.28115	(10120516)	465691.77	3772873.41	
0.27818	465696.16 (10120516)	0.27921	(10120516)	465700.55	3772873.41	
0.27682	465704.94 (09010316)	0.27718	(09010316)	465709.33	3772873.41	
0.27612	465713.72 (09010316)	0.27646	(09010316)	465718.11	3772873.41	
0.30395	465630.31 (10120516)	0.30475	(10120516)	465634.70	3772876.65	
0.30242	465639.09 (10120516)	0.30319	(10120516)	465643.48	3772876.65	
0.30074	465647.87 (10120516)	0.30159	(10120516)	465652.26	3772876.65	
0.29911	465656.65 (10120516)	0.29992	(10120516)	465661.04	3772876.65	
0.29731	465665.43 (10120516)	0.29822	(10120516)	465669.82	3772876.65	
0.29553	465674.21 (10120516)	0.29642	(10120516)	465678.60	3772876.65	
0.29359	465682.99 (10120516)	0.29458	(10120516)	465687.38	3772876.65	
0.29163	465691.77 (10120516)	0.29261	(10120516)	465696.16	3772876.65	
0.28949	465700.55 (10120516)	0.29059	(10120516)	465704.94	3772876.65	
0.28731	465709.33 (10120516)	0.28840	(10120516)	465713.72	3772876.65	
0.31845	465718.11 (10120516)	0.28615	(09010316)	465630.31	3772879.89	
0.31684	465634.70 (10120516)	0.31761	(10120516)	465639.09	3772879.89	
0.31518	465643.48 (10120516)	0.31605	(10120516)	465647.87	3772879.89	
0.31346	465652.26 (10120516)	0.31428	(10120516)	465656.65	3772879.89	
0.31170	465661.04 (10120516)	0.31262	(10120516)	465665.43	3772879.89	
	465669.82	0.31075	(10120516)	465674.21	3772879.89	

Rialto.ADO

0.30985	(10120516)				
	465678.60	3772879.89	0.30896	(10120516)	465682.99 3772879.89
0.30797	(10120516)		0.30695	(10120516)	465691.77 3772879.89
	465687.38	3772879.89	0.30498	(10120516)	465700.55 3772879.89
0.30596	(10120516)		0.30279	(10120516)	465709.33 3772879.89
	465696.16	3772879.89	0.30059	(10120516)	465718.11 3772879.89
0.30391	(10120516)		0.33325	(10120516)	465634.70 3772883.13
	465704.94	3772879.89	0.33158	(10120516)	465643.48 3772883.13
0.30169	(10120516)		0.32984	(10120516)	465652.26 3772883.13
	465713.72	3772879.89	0.32806	(10120516)	465661.04 3772883.13
0.29941	(10120516)		0.32624	(10120516)	465669.82 3772883.13
	465630.31	3772883.13	0.32434	(10120516)	465678.60 3772883.13
0.33236	(10120516)		0.32241	(10120516)	465687.38 3772883.13
	465639.09	3772883.13	0.32034	(10120516)	465696.16 3772883.13
0.33077	(10120516)		0.31826	(10120516)	465704.94 3772883.13
	465647.87	3772883.13	0.31598	(10120516)	465713.72 3772883.13
0.32890	(10120516)		0.31369	(10120516)	465630.31 3772886.37
	465656.65	3772883.13	0.34835	(10120516)	465639.09 3772886.37
0.32721	(10120516)		0.34673	(10120516)	465647.87 3772886.37
	465665.43	3772883.13	0.34473	(10120516)	465656.65 3772886.37
0.32525	(10120516)		0.34302	(10120516)	465665.43 3772886.37
	465674.21	3772883.13			
0.32343	(10120516)				
	465682.99	3772883.13			
0.32134	(10120516)				
	465691.77	3772883.13			
0.31936	(10120516)				
	465700.55	3772883.13			
0.31709	(10120516)				
	465709.33	3772883.13			
0.31489	(10120516)				
	465718.11	3772883.13			
0.34929	(10120516)				
	465634.70	3772886.37			
0.34756	(10120516)				
	465643.48	3772886.37			
0.34572	(10120516)				
	465652.26	3772886.37			
0.34388	(10120516)				
	465661.04	3772886.37			
0.34198	(10120516)				

□ \*\*\* AERMOD - VERSION 15181 \*\*\*  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:16:37

\*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1

PAGE 29  
 \*\*MODELOPTS: RegDEFAULT CONC

ELEV URBAN

Rialto.ADO

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.34001	465669.82 (10120516)	3772886.37	0.34093 (10120516)	465674.21	3772886.37	
0.33801	465678.60 (10120516)	3772886.37	0.33909 (10120516)	465682.99	3772886.37	
0.33588	465687.38 (10120516)	3772886.37	0.33689 (10120516)	465691.77	3772886.37	
0.33375	465696.16 (10120516)	3772886.37	0.33490 (10120516)	465700.55	3772886.37	
0.33142	465704.94 (10120516)	3772886.37	0.33254 (10120516)	465709.33	3772886.37	
0.32909	465713.72 (10120516)	3772886.37	0.33033 (10120516)	465718.11	3772886.37	
0.36573	465630.31 (10120516)	3772889.61	0.36673 (10120516)	465634.70	3772889.61	
0.36409	465639.09 (10120516)	3772889.61	0.36495 (10120516)	465643.48	3772889.61	
0.36192	465647.87 (10120516)	3772889.61	0.36298 (10120516)	465652.26	3772889.61	
0.36019	465656.65 (10120516)	3772889.61	0.36107 (10120516)	465661.04	3772889.61	
0.35794	465665.43 (10120516)	3772889.61	0.35906 (10120516)	465669.82	3772889.61	
0.35609	465674.21 (10120516)	3772889.61	0.35702 (10120516)	465678.60	3772889.61	
0.35374	465682.99 (10120516)	3772889.61	0.35494 (10120516)	465687.38	3772889.61	
0.35175	465691.77 (10120516)	3772889.61	0.35273 (10120516)	465696.16	3772889.61	



0.34926	465700.55 (10120516)	3772889.61	0.35054	Rialto.ADO (10120516)	465704.94	3772889.61
0.34706	465709.33 (10120516)	3772889.61	0.34814	(10120516)	465713.72	3772889.61
0.38577	465718.11 (10120516)	3772889.61	0.34577	(10120516)	465630.31	3772892.85
0.38393	465634.70 (10120516)	3772892.85	0.38469	(10120516)	465639.09	3772892.85
0.38180	465643.48 (10120516)	3772892.85	0.38304	(10120516)	465647.87	3772892.85
0.37982	465652.26 (10120516)	3772892.85	0.38065	(10120516)	465656.65	3772892.85
0.37768	465661.04 (10120516)	3772892.85	0.37892	(10120516)	465665.43	3772892.85
0.37555	465669.82 (10120516)	3772892.85	0.37646	(10120516)	465674.21	3772892.85
0.37336	465678.60 (10120516)	3772892.85	0.37462	(10120516)	465682.99	3772892.85
0.37107	465687.38 (10120516)	3772892.85	0.37208	(10120516)	465691.77	3772892.85
0.36880	465696.16 (10120516)	3772892.85	0.37009	(10120516)	465700.55	3772892.85
0.36631	465704.94 (10120516)	3772892.85	0.36743	(10120516)	465709.33	3772892.85
0.36389	465713.72 (10120516)	3772892.85	0.36524	(10120516)	465718.11	3772892.85
0.40546	465630.31 (10120516)	3772896.09	0.40664	(10120516)	465634.70	3772896.09
0.40383	465639.09 (10120516)	3772896.09	0.40476	(10120516)	465643.48	3772896.09
0.40116	465647.87 (10120516)	3772896.09	0.40241	(10120516)	465652.26	3772896.09
0.39944	465656.65 (10120516)	3772896.09	0.40036	(10120516)	465661.04	3772896.09
0.39671	465665.43 (10120516)	3772896.09	0.39804	(10120516)	465669.82	3772896.09
0.39490	465674.21 (10120516)	3772896.09	0.39583	(10120516)	465678.60	3772896.09
0.39210	465682.99 (10120516)	3772896.09	0.39350	(10120516)	465687.38	3772896.09
0.39015	465691.77 (10120516)	3772896.09	0.39111	(10120516)	465696.16	3772896.09
0.38725	465700.55 (10120516)	3772896.09	0.38873	(10120516)	465704.94	3772896.09
0.38510	465709.33 (10120516)	3772896.09	0.38613	(10120516)	465713.72	3772896.09
0.42959	465718.11 (10120516)	3772896.09	0.38364	(10120516)	465630.31	3772899.33

Rialto.ADO

0.42770	465634.70	3772899.33	0.42831	(10120516)	465639.09	3772899.33
	(10120516)					
0.42507	465643.48	3772899.33	0.42672	(10120516)	465647.87	3772899.33
	(10120516)					

\*\*\* AERMOD - VERSION 15181 \*\*\*     \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*     \*\*\*  
 \*\*\* 09:16:37

PAGE 30

\*\*MODELOPTS: RegDFault CONC            ELEV            URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL            \*\*\*

   INCLUDING SOURCE(S):    L0001054    ,   L0001055    ,   L0001056    ,

L0001057    ,   L0001058    ,

   L0001059    ,   L0001060    ,   L0001061    ,   L0001062    ,   L0001063    ,   L0001064    ,

L0001065    ,   L0001066    ,

   L0001067    ,   L0001068    ,   L0001069    ,   L0001070    ,   L0001071    ,   L0001072    ,

L0001073    ,   L0001074    ,

   L0001075    ,   L0001076    ,   L0001077    ,   L0001078    ,   L0001079    ,   L0001080    ,

L0001081    ,   . . .    ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				**
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
(YYMMDDHH)						
0.42297	465652.26	3772899.33	0.42368	(10120516)	465656.65	3772899.33
	(10120516)					
0.42040	465661.04	3772899.33	0.42202	(10120516)	465665.43	3772899.33
	(10120516)					
0.41812	465669.82	3772899.33	0.41894	(10120516)	465674.21	3772899.33
	(10120516)					
0.41560	465678.60	3772899.33	0.41719	(10120516)	465682.99	3772899.33
	(10120516)					
0.41310	465687.38	3772899.33	0.41404	(10120516)	465691.77	3772899.33
	(10120516)					
0.41058	465696.16	3772899.33	0.41216	(10120516)	465700.55	3772899.33
	(10120516)					
0.40786	465704.94	3772899.33	0.40894	(10120516)	465709.33	3772899.33
	(10120516)					
0.40528	465713.72	3772899.33	0.40687	(10120516)	465718.11	3772899.33
	(10120516)					
	465630.31	3772902.57	0.45496	(10120516)	465634.70	3772902.57

Rialto.ADO

0.45355	(10120516)				
	465639.09	3772902.57	0.45308	(10120516)	465643.48 3772902.57
0.45205	(10120516)				
	465647.87	3772902.57	0.45008	(10120516)	465652.26 3772902.57
0.44854	(10120516)				
	465656.65	3772902.57	0.44796	(10120516)	465661.04 3772902.57
0.44699	(10120516)				
	465665.43	3772902.57	0.44508	(10120516)	465669.82 3772902.57
0.44343	(10120516)				
	465674.21	3772902.57	0.44272	(10120516)	465678.60 3772902.57
0.44181	(10120516)				
	465682.99	3772902.57	0.43995	(10120516)	465687.38 3772902.57
0.43820	(10120516)				
	465691.77	3772902.57	0.43735	(10120516)	465696.16 3772902.57
0.43646	(10120516)				
	465700.55	3772902.57	0.43464	(10120516)	465704.94 3772902.57
0.43280	(10120516)				
	465709.33	3772902.57	0.43179	(10120516)	465713.72 3772902.57
0.43087	(10120516)				
	465718.11	3772902.57	0.42908	(10120516)	465630.31 3772905.81
0.48311	(10120516)				
	465634.70	3772905.81	0.48154	(10120516)	465639.09 3772905.81
0.48132	(10120516)				
	465643.48	3772905.81	0.48021	(10120516)	465647.87 3772905.81
0.47782	(10120516)				
	465652.26	3772905.81	0.47608	(10120516)	465656.65 3772905.81
0.47571	(10120516)				
	465661.04	3772905.81	0.47472	(10120516)	465665.43 3772905.81
0.47242	(10120516)				
	465669.82	3772905.81	0.47054	(10120516)	465674.21 3772905.81
0.47002	(10120516)				
	465678.60	3772905.81	0.46912	(10120516)	465682.99 3772905.81
0.46691	(10120516)				
	465687.38	3772905.81	0.46491	(10120516)	465691.77 3772905.81
0.46421	(10120516)				
	465696.16	3772905.81	0.46338	(10120516)	465700.55 3772905.81
0.46125	(10120516)				
	465704.94	3772905.81	0.45914	(10120516)	465709.33 3772905.81
0.45825	(10120516)				
	465713.72	3772905.81	0.45743	(10120516)	465718.11 3772905.81
0.45537	(10120516)				
	465630.31	3772909.05	0.51446	(10120516)	465634.70 3772909.05
0.51270	(10120516)				
	465639.09	3772909.05	0.51286	(10120516)	465643.48 3772909.05
0.51165	(10120516)				
	465647.87	3772909.05	0.50869	(10120516)	465652.26 3772909.05
0.50671	(10120516)				
	465656.65	3772909.05	0.50668	(10120516)	465661.04 3772909.05

Rialto.ADO

0.50566	(10120516)	465665.43	3772909.05	0.50283	(10120516)	465669.82	3772909.05
0.50066	(10120516)	465674.21	3772909.05	0.50043	(10120516)	465678.60	3772909.05
0.49958	(10120516)	465682.99	3772909.05	0.49689	(10120516)	465687.38	3772909.05
0.49455	(10120516)	465691.77	3772909.05	0.49410	(10120516)	465696.16	3772909.05
0.49337	(10120516)	465700.55	3772909.05	0.49082	(10120516)	465704.94	3772909.05
0.48835	(10120516)	465709.33	3772909.05	0.48765	(10120516)	465713.72	3772909.05
0.48698	(10120516)	465718.11	3772909.05	0.48456	(10120516)	465630.31	3772912.29
0.54948	(10120516)						

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 31  
 \*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M)		Y-COORD (M)		CONC (YYMMDDHH)		CONC (YYMMDDHH)	
(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)	(YYMMDDHH)
0.54823	(10120516)	465634.70	3772912.29	0.54750	(10120516)	465639.09	3772912.29
0.54318	(10120516)	465643.48	3772912.29	0.54689	(10120516)	465647.87	3772912.29
0.54137	(10120516)	465652.26	3772912.29	0.54087	(10120516)	465656.65	3772912.29

			Rialto.ADO (10120516)		
0.53679	465661.04	3772912.29	0.54033	465665.43	3772912.29
	(10120516)				
	465669.82	3772912.29	0.53422	465674.21	3772912.29
0.53446	(10120516)				
	465678.60	3772912.29	0.53367	465682.99	3772912.29
0.53034	(10120516)				
	465687.38	3772912.29	0.52756	465691.77	3772912.29
0.52750	(10120516)				
	465696.16	3772912.29	0.52691	465700.55	3772912.29
0.52379	(10120516)				
	465704.94	3772912.29	0.52083	465709.33	3772912.29
0.52045	(10120516)				
	465713.72	3772912.29	0.51999	465718.11	3772912.29
0.51708	(10120516)				
	465630.31	3772915.53	0.58868	465634.70	3772915.53
0.58643	(10120516)				
	465639.09	3772915.53	0.58797	465643.48	3772915.53
0.58651	(10120516)				
	465647.87	3772915.53	0.58178	465652.26	3772915.53
0.57907	(10120516)				
	465656.65	3772915.53	0.58033	465661.04	3772915.53
0.57927	(10120516)				
	465665.43	3772915.53	0.57481	465669.82	3772915.53
0.57172	(10120516)				
	465674.21	3772915.53	0.57265	465678.60	3772915.53
0.57196	(10120516)				
	465682.99	3772915.53	0.56779	465687.38	3772915.53
0.56440	(10120516)				
	465691.77	3772915.53	0.56495	465696.16	3772915.53
0.56455	(10120516)				
	465700.55	3772915.53	0.56070	465704.94	3772915.53
0.55707	(10120516)				
	465709.33	3772915.53	0.55718	465713.72	3772915.53
0.55702	(10120516)				
	465718.11	3772915.53	0.55346		

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*            12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*            09:16:37

PAGE 32  
 \*\*MODELOPTS: RegDEFAULT CONC      ELEV      URBAN  
 SLINE1      \*\*\*  
 L0001057      , L0001058      ,  
 \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S):      L0001054      , L0001055      , L0001056      ,

Rialto.ADO

L0001065 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 , L0001066 ,  
 L0001073 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 , L0001074 ,  
 L0001081 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M) (YYMMDDHH)		Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.13129	465630.31 (09010324)	3772850.73	0.13141	(09010324)	465634.70	3772850.73	
0.13103	465639.09 (09010324)	3772850.73	0.13116	(09010324)	465643.48	3772850.73	
0.13075	465647.87 (09010324)	3772850.73	0.13089	(09010324)	465652.26	3772850.73	
0.13044	465656.65 (09010324)	3772850.73	0.13060	(09010324)	465661.04	3772850.73	
0.13011	465665.43 (09010324)	3772850.73	0.13028	(09010324)	465669.82	3772850.73	
0.12976	465674.21 (09010324)	3772850.73	0.12994	(09010324)	465678.60	3772850.73	
0.12939	465682.99 (09010324)	3772850.73	0.12958	(09010324)	465687.38	3772850.73	
0.12899	465691.77 (09010324)	3772850.73	0.12919	(09010324)	465696.16	3772850.73	
0.12857	465700.55 (09010324)	3772850.73	0.12878	(09010324)	465704.94	3772850.73	
0.12813	465709.33 (09010324)	3772850.73	0.12836	(09010324)	465713.72	3772850.73	
0.13584	465718.11 (09010324)	3772850.73	0.12790	(09010324)	465630.31	3772853.97	
0.13557	465634.70 (09010324)	3772853.97	0.13571	(09010324)	465639.09	3772853.97	
0.13528	465643.48 (09010324)	3772853.97	0.13543	(09010324)	465647.87	3772853.97	
0.13496	465652.26 (09010324)	3772853.97	0.13512	(09010324)	465656.65	3772853.97	
0.13462	465661.04 (09010324)	3772853.97	0.13479	(09010324)	465665.43	3772853.97	
0.13426	465669.82 (09010324)	3772853.97	0.13444	(09010324)	465674.21	3772853.97	
	465678.60	3772853.97	0.13407	(09010324)	465682.99	3772853.97	

Rialto.ADO

0.13388	(09010324)				
	465687.38	3772853.97	0.13368	(09010324)	465691.77 3772853.97
0.13347	(09010324)		0.13326	(09010324)	465700.55 3772853.97
	465696.16	3772853.97	0.13282	(09010324)	465709.33 3772853.97
0.13304	(09010324)		0.13236	(09010324)	465718.11 3772853.97
	465704.94	3772853.97	0.14055	(09010324)	465634.70 3772857.21
0.13259	(09010324)		0.14026	(09010324)	465643.48 3772857.21
	465713.72	3772853.97	0.13994	(09010324)	465652.26 3772857.21
0.13212	(09010324)		0.13960	(09010324)	465661.04 3772857.21
	465630.31	3772857.21	0.13924	(09010324)	465669.82 3772857.21
0.14041	(09010324)		0.13885	(09010324)	465678.60 3772857.21
	465639.09	3772857.21	0.13845	(09010324)	465687.38 3772857.21
0.14010	(09010324)		0.13802	(09010324)	465696.16 3772857.21
	465647.87	3772857.21	0.13757	(09010324)	465704.94 3772857.21
0.13977	(09010324)		0.13709	(09010324)	465713.72 3772857.21
	465656.65	3772857.21	0.13660	(09010324)	465630.31 3772860.45
0.13942	(09010324)		0.14542	(09010324)	465639.09 3772860.45
	465665.43	3772857.21	0.14509	(09010324)	465647.87 3772860.45
0.13905	(09010324)		0.14473	(09010324)	465656.65 3772860.45
	465674.21	3772857.21	0.14436	(09010324)	465665.43 3772860.45
0.13865	(09010324)		0.14396	(09010324)	465674.21 3772860.45
	465682.99	3772857.21	0.14353	(09010324)	465682.99 3772860.45
0.13824	(09010324)		0.14309	(09010324)	465691.77 3772860.45
	465691.77	3772857.21	0.14262	(09010324)	465700.55 3772860.45
0.13780	(09010324)				
	465700.55	3772857.21			
0.13733	(09010324)				
	465709.33	3772857.21			
0.13685	(09010324)				
	465718.11	3772857.21			
0.14558	(09010324)				
	465634.70	3772860.45			
0.14526	(09010324)				
	465643.48	3772860.45			
0.14491	(09010324)				
	465652.26	3772860.45			
0.14455	(09010324)				
	465661.04	3772860.45			
0.14416	(09010324)				
	465669.82	3772860.45			
0.14375	(09010324)				
	465678.60	3772860.45			
0.14332	(09010324)				
	465687.38	3772860.45			
0.14286	(09010324)				
	465696.16	3772860.45			
0.14238	(09010324)				

□ \*\*\* AERMOD - VERSION 15181 \*\*\*

\*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1

Rialto.ADO

\*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:16:37

PAGE 33  
 \*\*MODELOPTS: RegDEFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 SLINE1 \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>					**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
0.14188	465704.94 (09010324)	3772860.45	0.14214 (09010324)	465709.33	3772860.45		
0.14136	465713.72 (09010324)	3772860.45	0.14162 (09010324)	465718.11	3772860.45		
0.15078	465630.31 (09010324)	3772863.69	0.15095 (09010324)	465634.70	3772863.69		
0.15041	465639.09 (09010324)	3772863.69	0.15060 (09010324)	465643.48	3772863.69		
0.15003	465647.87 (09010324)	3772863.69	0.15022 (09010324)	465652.26	3772863.69		
0.14962	465656.65 (09010324)	3772863.69	0.14983 (09010324)	465661.04	3772863.69		
0.14920	465665.43 (09010324)	3772863.69	0.14941 (09010324)	465669.82	3772863.69		
0.14875	465674.21 (09010324)	3772863.69	0.14897 (09010324)	465678.60	3772863.69		
0.14827	465682.99 (09010324)	3772863.69	0.14851 (09010324)	465687.38	3772863.69		
0.14778	465691.77 (09010324)	3772863.69	0.14803 (09010324)	465696.16	3772863.69		
0.14726	465700.55 (09010324)	3772863.69	0.14752 (09010324)	465704.94	3772863.69		



0.14672	465709.33 (09010324)	3772863.69	0.14700	Rialto.ADO (09010324)	465713.72	3772863.69
0.15670	465718.11 (09010324)	3772863.69	0.14644	(09010324)	465630.31	3772866.93
0.15632	465634.70 (09010324)	3772866.93	0.15651	(09010324)	465639.09	3772866.93
0.15591	465643.48 (09010324)	3772866.93	0.15612	(09010324)	465647.87	3772866.93
0.15549	465652.26 (09010324)	3772866.93	0.15570	(09010324)	465656.65	3772866.93
0.15504	465661.04 (09010324)	3772866.93	0.15526	(09010324)	465665.43	3772866.93
0.15457	465669.82 (09010324)	3772866.93	0.15480	(09010324)	465674.21	3772866.93
0.15407	465678.60 (09010324)	3772866.93	0.15432	(09010324)	465682.99	3772866.93
0.15356	465687.38 (09010324)	3772866.93	0.15382	(09010324)	465691.77	3772866.93
0.15302	465696.16 (09010324)	3772866.93	0.15329	(09010324)	465700.55	3772866.93
0.15246	465704.94 (09010324)	3772866.93	0.15274	(09010324)	465709.33	3772866.93
0.15188	465713.72 (09010324)	3772866.93	0.15217	(09010324)	465718.11	3772866.93
0.16267	465630.31 (09010324)	3772870.17	0.16288	(09010324)	465634.70	3772870.17
0.16225	465639.09 (09010324)	3772870.17	0.16246	(09010324)	465643.48	3772870.17
0.16179	465647.87 (09010324)	3772870.17	0.16202	(09010324)	465652.26	3772870.17
0.16132	465656.65 (09010324)	3772870.17	0.16156	(09010324)	465661.04	3772870.17
0.16082	465665.43 (09010324)	3772870.17	0.16107	(09010324)	465669.82	3772870.17
0.16031	465674.21 (09010324)	3772870.17	0.16057	(09010324)	465678.60	3772870.17
0.15977	465682.99 (09010324)	3772870.17	0.16004	(09010324)	465687.38	3772870.17
0.15921	465691.77 (09010324)	3772870.17	0.15949	(09010324)	465696.16	3772870.17
0.15862	465700.55 (09010324)	3772870.17	0.15892	(09010324)	465704.94	3772870.17
0.15802	465709.33 (09010324)	3772870.17	0.15832	(09010324)	465713.72	3772870.17
0.16954	465718.11 (09010324)	3772870.17	0.15770	(09010324)	465630.31	3772873.41
0.16908	465634.70 (09010324)	3772873.41	0.16931	(09010324)	465639.09	3772873.41

SLINE1	CONC	ELEV	URBAN	CONC	ELEV	URBAN
0.16860	465643.48 (09010324)	3772873.41	0.16884	465647.87	3772873.41	
0.16810	465652.26 (09010324)	3772873.41	0.16835	465656.65	3772873.41	
0.16757	465661.04 (09010324)	3772873.41	0.16784	465665.43	3772873.41	
0.16703	465669.82 (09010324)	3772873.41	0.16730	465674.21	3772873.41	
0.16646	465678.60 (09010324)	3772873.41	0.16675	465682.99	3772873.41	

Rialto.ADO  
(09010324)

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:16:37

PAGE 34  
 \*\*MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 SLINE1 \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M) (YYMMDDHH)		Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.16587	465687.38 (09010324)	3772873.41	0.16617	(09010324)	465691.77	3772873.41	
0.16526	465696.16 (09010324)	3772873.41	0.16557	(09010324)	465700.55	3772873.41	
0.16462	465704.94 (09010324)	3772873.41	0.16494	(09010324)	465709.33	3772873.41	
0.16397	465713.72 (09010324)	3772873.41	0.16430	(09010324)	465718.11	3772873.41	
0.17648	465630.31 (09010324)	3772876.65	0.17673	(09010324)	465634.70	3772876.65	
	465639.09	3772876.65	0.17623	(09010324)	465643.48	3772876.65	

Rialto.ADO

0.17597	(09010324)				
	465647.87	3772876.65	0.17570	(09010324)	465652.26 3772876.65
0.17543	(09010324)		0.17516	(09010324)	465661.04 3772876.65
	465656.65	3772876.65	0.17459	(09010324)	465669.82 3772876.65
0.17487	(09010324)		0.17400	(09010324)	465678.60 3772876.65
	465665.43	3772876.65	0.17339	(09010324)	465687.38 3772876.65
0.17429	(09010324)		0.17275	(09010324)	465696.16 3772876.65
	465674.21	3772876.65	0.17210	(09010324)	465704.94 3772876.65
0.17369	(09010324)		0.17142	(09010324)	465713.72 3772876.65
	465682.99	3772876.65	0.17072	(09010324)	465630.31 3772879.89
0.17307	(09010324)		0.18426	(09010324)	465639.09 3772879.89
	465691.77	3772876.65	0.18369	(09010324)	465647.87 3772879.89
0.17243	(09010324)		0.18311	(09010324)	465656.65 3772879.89
	465700.55	3772876.65	0.18250	(09010324)	465665.43 3772879.89
0.17176	(09010324)		0.18187	(09010324)	465674.21 3772879.89
	465709.33	3772876.65	0.18121	(09010324)	465682.99 3772879.89
0.17107	(09010324)		0.18054	(09010324)	465691.77 3772879.89
	465718.11	3772876.65	0.17985	(09010324)	465700.55 3772879.89
0.18454	(09010324)		0.17913	(09010324)	465709.33 3772879.89
	465634.70	3772879.89	0.17840	(09010324)	465718.11 3772879.89
0.18398	(09010324)		0.19303	(09010324)	465634.70 3772883.13
	465643.48	3772879.89	0.19242	(09010324)	465643.48 3772883.13
0.18340	(09010324)		0.19178	(09010324)	465652.26 3772883.13
	465652.26	3772879.89	0.19112	(09010324)	465661.04 3772883.13
0.18280	(09010324)		0.19045	(09010324)	465669.82 3772883.13
	465661.04	3772879.89			
0.18219	(09010324)				
	465669.82	3772879.89			
0.18154	(09010324)				
	465678.60	3772879.89			
0.18088	(09010324)				
	465687.38	3772879.89			
0.18020	(09010324)				
	465696.16	3772879.89			
0.17949	(09010324)				
	465704.94	3772879.89			
0.17877	(09010324)				
	465713.72	3772879.89			
0.17802	(09010324)				
	465630.31	3772883.13			
0.19273	(09010324)				
	465639.09	3772883.13			
0.19210	(09010324)				
	465647.87	3772883.13			
0.19145	(09010324)				
	465656.65	3772883.13			
0.19079	(09010324)				
	465665.43	3772883.13			

Rialto.ADO

0.19010	(09010324)				
	465674.21	3772883.13	0.18975	(09010324)	465678.60 3772883.13
0.18939	(09010324)				
	465682.99	3772883.13	0.18903	(09010324)	465687.38 3772883.13
0.18866	(09010324)				
	465691.77	3772883.13	0.18829	(09010324)	465696.16 3772883.13
0.18791	(09010324)				
	465700.55	3772883.13	0.18753	(09010324)	465704.94 3772883.13
0.18714	(09010324)				
	465709.33	3772883.13	0.18675	(09010324)	465713.72 3772883.13
0.18635	(09010324)				
	465718.11	3772883.13	0.18595	(09010324)	465630.31 3772886.37
0.20232	(09010324)				
	465634.70	3772886.37	0.20198	(09010324)	465639.09 3772886.37
0.20164	(09010324)				
	465643.48	3772886.37	0.20129	(09010324)	465647.87 3772886.37
0.20093	(09010324)				
	465652.26	3772886.37	0.20058	(09010324)	465656.65 3772886.37
0.20021	(09010324)				
	465661.04	3772886.37	0.19984	(09010324)	465665.43 3772886.37
0.19946	(09010324)				

\*\*\* AERMOD - VERSION 15181 \*\*\*    \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*    \*\*\*  
 \*\*\*                    09:16:37

PAGE 35  
 \*\*MODELOPTS: RegDFault CONC            ELEV            URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 SLINE1    \*\*\*  
    INCLUDING SOURCE(S):    L0001054    ,    L0001055    ,    L0001056    ,  
 L0001057    ,    L0001058    ,  
    L0001059    ,    L0001060    ,    L0001061    ,    L0001062    ,    L0001063    ,    L0001064    ,  
 L0001065    ,    L0001066    ,  
    L0001067    ,    L0001068    ,    L0001069    ,    L0001070    ,    L0001071    ,    L0001072    ,  
 L0001073    ,    L0001074    ,  
    L0001075    ,    L0001076    ,    L0001077    ,    L0001078    ,    L0001079    ,    L0001080    ,  
 L0001081    ,    . . .    ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
---------------------------	-------------	------	------------	-------------	-------------	------

0.19870	465669.82 (09010324)	3772886.37	0.19909	Rialto.ADO (09010324)	465674.21	3772886.37
0.19792	465678.60 (09010324)	3772886.37	0.19831	(09010324)	465682.99	3772886.37
0.19712	465687.38 (09010324)	3772886.37	0.19752	(09010324)	465691.77	3772886.37
0.19629	465696.16 (09010324)	3772886.37	0.19671	(09010324)	465700.55	3772886.37
0.19545	465704.94 (09010324)	3772886.37	0.19587	(09010324)	465709.33	3772886.37
0.19458	465713.72 (09010324)	3772886.37	0.19502	(09010324)	465718.11	3772886.37
0.21215	465630.31 (09010324)	3772889.61	0.21253	(09010324)	465634.70	3772889.61
0.21137	465639.09 (09010324)	3772889.61	0.21176	(09010324)	465643.48	3772889.61
0.21058	465647.87 (09010324)	3772889.61	0.21098	(09010324)	465652.26	3772889.61
0.20977	465656.65 (09010324)	3772889.61	0.21018	(09010324)	465661.04	3772889.61
0.20894	465665.43 (09010324)	3772889.61	0.20936	(09010324)	465669.82	3772889.61
0.20809	465674.21 (09010324)	3772889.61	0.20852	(09010324)	465678.60	3772889.61
0.20722	465682.99 (09010324)	3772889.61	0.20766	(09010324)	465687.38	3772889.61
0.20634	465691.77 (09010324)	3772889.61	0.20678	(09010324)	465696.16	3772889.61
0.20543	465700.55 (09010324)	3772889.61	0.20588	(09010324)	465704.94	3772889.61
0.20450	465709.33 (09010324)	3772889.61	0.20497	(09010324)	465713.72	3772889.61
0.22379	465718.11 (09010324)	3772889.61	0.20403	(09010324)	465630.31	3772892.85
0.22293	465634.70 (09010324)	3772892.85	0.22337	(09010324)	465639.09	3772892.85
0.22207	465643.48 (09010324)	3772892.85	0.22250	(09010324)	465647.87	3772892.85
0.22117	465652.26 (09010324)	3772892.85	0.22162	(09010324)	465656.65	3772892.85
0.22026	465661.04 (09010324)	3772892.85	0.22072	(09010324)	465665.43	3772892.85
0.21933	465669.82 (09010324)	3772892.85	0.21980	(09010324)	465674.21	3772892.85
0.21839	465678.60 (09010324)	3772892.85	0.21886	(09010324)	465682.99	3772892.85
0.21742	465687.38 (09010324)	3772892.85	0.21791	(09010324)	465691.77	3772892.85

				Rialto.ADO			
0.21644	465696.16 (09010324)	3772892.85	0.21693	(09010324)	465700.55	3772892.85	
0.21544	465704.94 (09010324)	3772892.85	0.21594	(09010324)	465709.33	3772892.85	
0.21442	465713.72 (09010324)	3772892.85	0.21493	(09010324)	465718.11	3772892.85	
0.23582	465630.31 (09010324)	3772896.09	0.23630	(09010324)	465634.70	3772896.09	
0.23485	465639.09 (09010324)	3772896.09	0.23533	(09010324)	465643.48	3772896.09	
0.23386	465647.87 (09010324)	3772896.09	0.23436	(09010324)	465652.26	3772896.09	
0.23285	465656.65 (09010324)	3772896.09	0.23336	(09010324)	465661.04	3772896.09	
0.23183	465665.43 (09010324)	3772896.09	0.23234	(09010324)	465669.82	3772896.09	
0.23079	465674.21 (09010324)	3772896.09	0.23131	(09010324)	465678.60	3772896.09	
0.22974	465682.99 (09010324)	3772896.09	0.23027	(09010324)	465687.38	3772896.09	
0.22866	465691.77 (09010324)	3772896.09	0.22920	(09010324)	465696.16	3772896.09	
0.22757	465700.55 (09010324)	3772896.09	0.22812	(09010324)	465704.94	3772896.09	
0.22646	465709.33 (09010324)	3772896.09	0.22701	(09010324)	465713.72	3772896.09	
0.25026	465718.11 (09010324)	3772896.09	0.22590	(09010324)	465630.31	3772899.33	
0.24917	465634.70 (09010324)	3772899.33	0.24972	(09010324)	465639.09	3772899.33	
0.24807	465643.48 (09010324)	3772899.33	0.24862	(09010324)	465647.87	3772899.33	

\*\*\* AERMOD - VERSION 15181 \*\*\*     \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*     \*\*\*  
 \*\*\* 09:16:37

PAGE 36  
 \*\*MODELOPTS: RegDFAULT CONC     ELEV     URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE1     \*\*\*  
                                  INCLUDING SOURCE(S):     L0001054     ,     L0001055     ,     L0001056     ,  
 L0001057     ,     L0001058     ,  
                                  L0001059     ,     L0001060     ,     L0001061     ,     L0001062     ,     L0001063     ,     L0001064     ,  
 L0001065     ,     L0001066     ,  
                                  L0001067     ,     L0001068     ,     L0001069     ,     L0001070     ,     L0001071     ,     L0001072     ,  
 L0001073     ,     L0001074     ,

L0001081 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.24695	465652.26 (09010324)	3772899.33	0.24751 (09010324)	465656.65	3772899.33	
0.24581	465661.04 (09010324)	3772899.33	0.24638 (09010324)	465665.43	3772899.33	
0.24466	465669.82 (09010324)	3772899.33	0.24523 (09010324)	465674.21	3772899.33	
0.24349	465678.60 (09010324)	3772899.33	0.24408 (09010324)	465682.99	3772899.33	
0.24230	465687.38 (09010324)	3772899.33	0.24290 (09010324)	465691.77	3772899.33	
0.24111	465696.16 (09010324)	3772899.33	0.24171 (09010324)	465700.55	3772899.33	
0.23989	465704.94 (09010324)	3772899.33	0.24050 (09010324)	465709.33	3772899.33	
0.23866	465713.72 (09010324)	3772899.33	0.23928 (09010324)	465718.11	3772899.33	
0.26534	465630.31 (09010324)	3772902.57	0.26596 (09010324)	465634.70	3772902.57	
0.26409	465639.09 (09010324)	3772902.57	0.26472 (09010324)	465643.48	3772902.57	
0.26283	465647.87 (09010324)	3772902.57	0.26346 (09010324)	465652.26	3772902.57	
0.26156	465656.65 (09010324)	3772902.57	0.26220 (09010324)	465661.04	3772902.57	
0.26026	465665.43 (09010324)	3772902.57	0.26091 (09010324)	465669.82	3772902.57	
0.25896	465674.21 (09010324)	3772902.57	0.25962 (09010324)	465678.60	3772902.57	
0.25764	465682.99 (09010324)	3772902.57	0.25830 (09010324)	465687.38	3772902.57	
0.25632	465691.77 (09010324)	3772902.57	0.25698 (09010324)	465696.16	3772902.57	
0.25497	465700.55 (09010324)	3772902.57	0.25564 (09010324)	465704.94	3772902.57	
0.25361	465709.33 (09010324)	3772902.57	0.25429 (09010324)	465713.72	3772902.57	
	465718.11	3772902.57	0.25292 (09010324)	465630.31	3772905.81	

Rialto.ADO

0.28374	(09010324)	465634.70	3772905.81	0.28303	(09010324)	465639.09	3772905.81
0.28232	(09010324)	465643.48	3772905.81	0.28160	(09010324)	465647.87	3772905.81
0.28088	(09010324)	465652.26	3772905.81	0.28016	(09010324)	465656.65	3772905.81
0.27944	(09010324)	465661.04	3772905.81	0.27870	(09010324)	465665.43	3772905.81
0.27797	(09010324)	465669.82	3772905.81	0.27724	(09010324)	465674.21	3772905.81
0.27651	(09010324)	465678.60	3772905.81	0.27577	(09010324)	465682.99	3772905.81
0.27502	(09010324)	465687.38	3772905.81	0.27428	(09010324)	465691.77	3772905.81
0.27354	(09010324)	465696.16	3772905.81	0.27278	(09010324)	465700.55	3772905.81
0.27203	(09010324)	465704.94	3772905.81	0.27127	(09010324)	465709.33	3772905.81
0.27052	(09010324)	465713.72	3772905.81	0.26975	(09010324)	465718.11	3772905.81
0.26898	(09010324)	465630.31	3772909.05	0.30405	(09010324)	465634.70	3772909.05
0.30322	(09010324)	465639.09	3772909.05	0.30240	(09010324)	465643.48	3772909.05
0.30156	(09010324)	465647.87	3772909.05	0.30074	(09010324)	465652.26	3772909.05
0.29991	(09010324)	465656.65	3772909.05	0.29908	(09010324)	465661.04	3772909.05
0.29824	(09010324)	465665.43	3772909.05	0.29740	(09010324)	465669.82	3772909.05
0.29656	(09010324)	465674.21	3772909.05	0.29573	(09010324)	465678.60	3772909.05
0.29488	(09010324)	465682.99	3772909.05	0.29403	(09010324)	465687.38	3772909.05
0.29319	(09010324)	465691.77	3772909.05	0.29234	(09010324)	465696.16	3772909.05
0.29149	(09010324)	465700.55	3772909.05	0.29063	(09010324)	465704.94	3772909.05
0.28978	(09010324)	465709.33	3772909.05	0.28893	(09010324)	465713.72	3772909.05
0.28807	(09010324)	465718.11	3772909.05	0.28720	(09010324)	465630.31	3772912.29

0.32743 (09010324)  
 \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37



PAGE 37  
 \*\*MODELOPTs: RegDFault CONC

ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

SLINE1 \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
465634.70 (09010324)	3772912.29	0.32647	(09010324)	465639.09	3772912.29	
465643.48 (09010324)	3772912.29	0.32454	(09010324)	465647.87	3772912.29	
465652.26 (09010324)	3772912.29	0.32262	(09010324)	465656.65	3772912.29	
465661.04 (09010324)	3772912.29	0.32067	(09010324)	465665.43	3772912.29	
465669.82 (09010324)	3772912.29	0.31875	(09010324)	465674.21	3772912.29	
465678.60 (09010324)	3772912.29	0.31680	(09010324)	465682.99	3772912.29	
465687.38 (09010324)	3772912.29	0.31487	(09010324)	465691.77	3772912.29	
465696.16 (09010324)	3772912.29	0.31292	(09010324)	465700.55	3772912.29	
465704.94 (09010324)	3772912.29	0.31097	(09010324)	465709.33	3772912.29	
465713.72 (09010324)	3772912.29	0.30901	(09010324)	465718.11	3772912.29	
465630.31 (09010324)	3772915.53	0.35464	(09010324)	465634.70	3772915.53	
465639.09 (09010324)	3772915.53	0.35235	(09010324)	465643.48	3772915.53	
465647.87 (09010324)	3772915.53	0.35011	(09010324)	465652.26	3772915.53	

STCK1	X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.34670	465656.65 (09010324)	3772915.53	0.34783	(09010324)	465661.04	3772915.53	
0.34446	465665.43 (09010324)	3772915.53	0.34559	(09010324)	465669.82	3772915.53	
0.34219	465674.21 (09010324)	3772915.53	0.34332	(09010324)	465678.60	3772915.53	
0.33996	465682.99 (09010324)	3772915.53	0.34108	(09010324)	465687.38	3772915.53	
0.33769	465691.77 (09010324)	3772915.53	0.33882	(09010324)	465696.16	3772915.53	
0.33546	465700.55 (09010324)	3772915.53	0.33658	(09010324)	465704.94	3772915.53	
0.33319	465709.33 (09010324)	3772915.53	0.33432	(09010324)	465713.72	3772915.53	
	465718.11	3772915.53	0.33207	(09010324)			

Rialto.ADO  
(09010324)

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 38  
 \*\*MODELOPTs: RegDFault CONC ELEV URBAN  
 STCK1 \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S): STCK1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup> **							
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
0.04797	465630.31 (09102924)	3772850.73	0.04814	(09102924)	465634.70	3772850.73	
0.04686	465639.09 (09102924)	3772850.73	0.04753	(09102924)	465643.48	3772850.73	
0.04500	465647.87 (09102924)	3772850.73	0.04600	(09102924)	465652.26	3772850.73	
0.04329	465656.65 (09010424)	3772850.73	0.04413	(09010424)	465661.04	3772850.73	
0.04128	465665.43 (09010424)	3772850.73	0.04233	(09010424)	465669.82	3772850.73	
0.03897	465674.21 (09010424)	3772850.73	0.04015	(09010424)	465678.60	3772850.73	

			Rialto.ADO (07122124)		
0.03756	465682.99 (07122124)	3772850.73	0.03826	465687.38	3772850.73
0.03602	465691.77 (07122124)	3772850.73	0.03681	465696.16	3772850.73
0.03436	465700.55 (07122124)	3772850.73	0.03520	465704.94	3772850.73
0.03265	465709.33 (07122124)	3772850.73	0.03351	465713.72	3772850.73
0.05025	465718.11 (09102924)	3772850.73	0.03179	465630.31	3772853.97
0.04927	465634.70 (09102924)	3772853.97	0.04990	465639.09	3772853.97
0.04737	465643.48 (09102924)	3772853.97	0.04841	465647.87	3772853.97
0.04504	465652.26 (09010424)	3772853.97	0.04619	465656.65	3772853.97
0.04294	465661.04 (09010424)	3772853.97	0.04405	465665.43	3772853.97
0.04051	465669.82 (09010424)	3772853.97	0.04176	465674.21	3772853.97
0.03877	465678.60 (07122124)	3772853.97	0.03950	465682.99	3772853.97
0.03714	465687.38 (07122124)	3772853.97	0.03798	465691.77	3772853.97
0.03538	465696.16 (07122124)	3772853.97	0.03627	465700.55	3772853.97
0.03358	465704.94 (07122124)	3772853.97	0.03448	465709.33	3772853.97
0.03177	465713.72 (07122124)	3772853.97	0.03267	465718.11	3772853.97
0.05186	465630.31 (09102924)	3772857.21	0.05242	465634.70	3772857.21
0.04995	465639.09 (09102924)	3772857.21	0.05102	465643.48	3772857.21
0.04733	465647.87 (09102924)	3772857.21	0.04871	465652.26	3772857.21
0.04474	465656.65 (09010424)	3772857.21	0.04590	465661.04	3772857.21
0.04217	465665.43 (09010424)	3772857.21	0.04349	465669.82	3772857.21
0.04006	465674.21 (07122124)	3772857.21	0.04080	465678.60	3772857.21
0.03834	465682.99 (07122124)	3772857.21	0.03923	465687.38	3772857.21
0.03648	465691.77 (07122124)	3772857.21	0.03742	465696.16	3772857.21
0.03456	465700.55 (07122124)	3772857.21	0.03552	465704.94	3772857.21

```

                                Rialto.ADO
0.03265 465709.33 3772857.21 0.03360 (07122124) 465713.72 3772857.21
0.05463 465718.11 3772857.21 0.03170 (07122124) 465630.31 3772860.45
0.05276 465634.70 3772860.45 0.05384 (09102924) 465639.09 3772860.45
0.05000 465643.48 3772860.45 0.05147 (09102924) 465647.87 3772860.45
0.04675 465652.26 3772860.45 0.04842 (09102924) 465656.65 3772860.45
0.04396 465661.04 3772860.45 0.04537 (09010424) 465665.43 3772860.45
0.04141 465669.82 3772860.45 0.04250 (09010424) 465674.21 3772860.45
0.03963 465678.60 3772860.45 0.04057 (07122124) 465682.99 3772860.45
0.03765 465687.38 3772860.45 0.03866 (07122124) 465691.77 3772860.45
0.03561 465696.16 3772860.45 0.03663 (07122124) 465700.55 3772860.45

```

```

□ *** AERMOD - VERSION 15181 *** *** H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1
*** 12/22/15
*** AERMET - VERSION 14134 *** ***
*** 09:16:37

```

```

PAGE 39
**MODELOPTS: RegDEFAULT CONC ELEV URBAN

```

```

STCK1 ***
*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:
INCLUDING SOURCE(S): STCK1 ,

```

```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

```

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
465704.94	3772860.45	0.03459	(07122124)	465709.33	3772860.45	
0.03358 (07122124)				465718.11	3772860.45	
465713.72	3772860.45	0.03258	(07122124)	465634.70	3772863.69	
0.03160 (07122124)				465643.48	3772863.69	
465630.31	3772863.69	0.05688	(09102924)			
0.05582 (09102924)						
465639.09	3772863.69	0.05449	(09102924)			
0.05294 (09102924)						

			Rialto.ADO		
0.04943	465647.87 (09102924)	3772863.69	0.05124	(09102924)	465652.26 3772863.69
0.04590	465656.65 (09010424)	3772863.69	0.04756	(09102924)	465661.04 3772863.69
0.04290	465665.43 (07122124)	3772863.69	0.04434	(09010424)	465669.82 3772863.69
0.04102	465674.21 (07122124)	3772863.69	0.04198	(07122124)	465678.60 3772863.69
0.03892	465682.99 (07122124)	3772863.69	0.03999	(07122124)	465687.38 3772863.69
0.03674	465691.77 (07122124)	3772863.69	0.03783	(07122124)	465696.16 3772863.69
0.03457	465700.55 (07122124)	3772863.69	0.03565	(07122124)	465704.94 3772863.69
0.03247	465709.33 (07122124)	3772863.69	0.03351	(07122124)	465713.72 3772863.69
0.05914	465718.11 (09102924)	3772863.69	0.03145	(07122124)	465630.31 3772866.93
0.05617	465634.70 (09102924)	3772866.93	0.05779	(09102924)	465639.09 3772866.93
0.05239	465643.48 (09102924)	3772866.93	0.05435	(09102924)	465647.87 3772866.93
0.04828	465652.26 (09102924)	3772866.93	0.05035	(09102924)	465656.65 3772866.93
0.04463	465661.04 (09010424)	3772866.93	0.04634	(09010424)	465665.43 3772866.93
0.04250	465669.82 (07122124)	3772866.93	0.04354	(07122124)	465674.21 3772866.93
0.04029	465678.60 (07122124)	3772866.93	0.04142	(07122124)	465682.99 3772866.93
0.03795	465687.38 (07122124)	3772866.93	0.03912	(07122124)	465691.77 3772866.93
0.03564	465696.16 (07122124)	3772866.93	0.03679	(07122124)	465700.55 3772866.93
0.03340	465704.94 (07122124)	3772866.93	0.03451	(07122124)	465709.33 3772866.93
0.03127	465713.72 (07122124)	3772866.93	0.03232	(07122124)	465718.11 3772866.93
0.05971	465630.31 (09102924)	3772870.17	0.06140	(09102924)	465634.70 3772870.17
0.05567	465639.09 (09102924)	3772870.17	0.05778	(09102924)	465643.48 3772870.17
0.05117	465647.87 (09102924)	3772870.17	0.05344	(09102924)	465652.26 3772870.17
0.04666	465656.65 (09010424)	3772870.17	0.04888	(09102924)	465661.04 3772870.17
0.04412	465665.43 (07122124)	3772870.17	0.04526	(07122124)	465669.82 3772870.17

STCK1	CONC	(YYMMDDHH)	ELEV	URBAN	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.04176	465674.21	(07122124)	3772870.17	0.04295	465678.60	3772870.17	0.04295	Rialto.ADO (07122124)	465678.60	3772870.17	0.04295
0.03927	465682.99	(07122124)	3772870.17	0.04053	465687.38	3772870.17	0.04053	(07122124)	465687.38	3772870.17	0.04053
0.03679	465691.77	(07122124)	3772870.17	0.03802	465696.16	3772870.17	0.03802	(07122124)	465696.16	3772870.17	0.03802
0.03440	465700.55	(07122124)	3772870.17	0.03558	465704.94	3772870.17	0.03558	(07122124)	465704.94	3772870.17	0.03558
0.03213	465709.33	(07122124)	3772870.17	0.03325	465713.72	3772870.17	0.03325	(07122124)	465713.72	3772870.17	0.03325
0.06362	465718.11	(09102924)	3772873.41	0.03105	465630.31	3772873.41	0.03105	(07122124)	465630.31	3772873.41	0.03105
0.05930	465634.70	(09102924)	3772873.41	0.06157	465639.09	3772873.41	0.06157	(09102924)	465639.09	3772873.41	0.06157
0.05437	465643.48	(09102924)	3772873.41	0.05687	465647.87	3772873.41	0.05687	(09102924)	465647.87	3772873.41	0.05687
0.04934	465652.26	(09102924)	3772873.41	0.05185	465656.65	3772873.41	0.05185	(09102924)	465656.65	3772873.41	0.05185
0.04592	465661.04	(07122124)	3772873.41	0.04713	465665.43	3772873.41	0.04713	(07122124)	465665.43	3772873.41	0.04713
0.04333	465669.82	(07122124)	3772873.41	0.04463	465674.21	3772873.41	0.04463	(07122124)	465674.21	3772873.41	0.04463
0.04070	465678.60	(07122124)	3772873.41	0.04203	465682.99	3772873.41	0.04203	(07122124)	465682.99	3772873.41	0.04203

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*                    09:16:37

PAGE 40  
 \*\*MODELOPTS: RegDFAULT CONC      ELEV      URBAN

STCK1      \*\*\*      \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S):      STCK1      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
0.03803	465687.38	0.03936	(07122124)	465691.77	3772873.41	0.03936	(07122124)
0.03547	465696.16	0.03673	(07122124)	465700.55	3772873.41	0.03673	(07122124)

			Rialto.ADO		
0.03305	465704.94 (07122124)	3772873.41	0.03424	(07122124)	465709.33 3772873.41
0.03079	465713.72 (07122124)	3772873.41	0.03190	(07122124)	465718.11 3772873.41
0.06333	465630.31 (09102924)	3772876.65	0.06577	(09102924)	465634.70 3772876.65
0.05794	465639.09 (09102924)	3772876.65	0.06069	(09102924)	465643.48 3772876.65
0.05238	465647.87 (09102924)	3772876.65	0.05515	(09102924)	465652.26 3772876.65
0.04784	465656.65 (07122124)	3772876.65	0.04966	(09102924)	465661.04 3772876.65
0.04507	465665.43 (07122124)	3772876.65	0.04649	(07122124)	465669.82 3772876.65
0.04223	465674.21 (07122124)	3772876.65	0.04364	(07122124)	465678.60 3772876.65
0.03938	465682.99 (07122124)	3772876.65	0.04081	(07122124)	465687.38 3772876.65
0.03662	465691.77 (07122124)	3772876.65	0.03798	(07122124)	465696.16 3772876.65
0.03403	465700.55 (07122124)	3772876.65	0.03530	(07122124)	465704.94 3772876.65
0.03162	465709.33 (07122124)	3772876.65	0.03280	(07122124)	465713.72 3772876.65
0.06781	465718.11 (09102924)	3772876.65	0.03049	(07122124)	465630.31 3772879.89
0.06192	465634.70 (09102924)	3772879.89	0.06495	(09102924)	465639.09 3772879.89
0.05576	465643.48 (09102924)	3772879.89	0.05884	(09102924)	465647.87 3772879.89
0.04996	465652.26 (07122124)	3772879.89	0.05273	(09102924)	465656.65 3772879.89
0.04695	465661.04 (07122124)	3772879.89	0.04846	(07122124)	465665.43 3772879.89
0.04388	465669.82 (07122124)	3772879.89	0.04543	(07122124)	465674.21 3772879.89
0.04085	465678.60 (07122124)	3772879.89	0.04236	(07122124)	465682.99 3772879.89
0.03787	465687.38 (07122124)	3772879.89	0.03933	(07122124)	465691.77 3772879.89
0.03508	465696.16 (07122124)	3772879.89	0.03645	(07122124)	465700.55 3772879.89
0.03251	465704.94 (07122124)	3772879.89	0.03377	(07122124)	465709.33 3772879.89
0.03015	465713.72 (07122124)	3772879.89	0.03131	(07122124)	465718.11 3772879.89
0.06638	465630.31 (09102924)	3772883.13	0.06970	(09102924)	465634.70 3772883.13

			Rialto.ADO		
0.05953	465639.09 (09102924)	3772883.13	0.06296 (09102924)	465643.48	3772883.13
0.05289	465647.87 (09102924)	3772883.13	0.05616 (09102924)	465652.26	3772883.13
0.04899	465656.65 (07122124)	3772883.13	0.05068 (07122124)	465661.04	3772883.13
0.04566	465665.43 (07122124)	3772883.13	0.04731 (07122124)	465669.82	3772883.13
0.04241	465674.21 (07122124)	3772883.13	0.04403 (07122124)	465678.60	3772883.13
0.03922	465682.99 (07122124)	3772883.13	0.04081 (07122124)	465687.38	3772883.13
0.03622	465691.77 (07122124)	3772883.13	0.03769 (07122124)	465696.16	3772883.13
0.03347	465700.55 (07122124)	3772883.13	0.03481 (07122124)	465704.94	3772883.13
0.03095	465709.33 (07122124)	3772883.13	0.03218 (07122124)	465713.72	3772883.13
0.07138	465718.11 (09102924)	3772883.13	0.02978 (07122124)	465630.31	3772886.37
0.06376	465634.70 (09102924)	3772886.37	0.06759 (09102924)	465639.09	3772886.37
0.05632	465643.48 (09102924)	3772886.37	0.05998 (09102924)	465647.87	3772886.37
0.05129	465652.26 (07122124)	3772886.37	0.05318 (07122124)	465656.65	3772886.37
0.04758	465661.04 (07122124)	3772886.37	0.04942 (07122124)	465665.43	3772886.37

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\* 09:16:37

PAGE 41  
 \*\*MODELOPTS: RegDFault CONC ELEV URBAN  
 \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 STCK1 \*\*\* INCLUDING SOURCE(S): STCK1 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*  
 \*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3 \*\*  
 X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC  
 (YYMMDDHH)



0.04408	465669.82 (07122124)	3772886.37	0.04580	Rialto.ADO (07122124)	465674.21	3772886.37
0.04070	465678.60 (07122124)	3772886.37	0.04237	(07122124)	465682.99	3772886.37
0.03745	465687.38 (07122124)	3772886.37	0.03904	(07122124)	465691.77	3772886.37
0.03449	465696.16 (07122124)	3772886.37	0.03593	(07122124)	465700.55	3772886.37
0.03180	465704.94 (07122124)	3772886.37	0.03311	(07122124)	465709.33	3772886.37
0.02938	465713.72 (07122124)	3772886.37	0.03056	(07122124)	465718.11	3772886.37
0.06851	465630.31 (09102924)	3772889.61	0.07279	(09102924)	465634.70	3772889.61
0.06016	465639.09 (09102924)	3772889.61	0.06427	(09102924)	465643.48	3772889.61
0.05390	465647.87 (07122124)	3772889.61	0.05623	(09102924)	465652.26	3772889.61
0.04973	465656.65 (07122124)	3772889.61	0.05179	(07122124)	465661.04	3772889.61
0.04583	465665.43 (07122124)	3772889.61	0.04774	(07122124)	465669.82	3772889.61
0.04225	465674.21 (07122124)	3772889.61	0.04400	(07122124)	465678.60	3772889.61
0.03878	465682.99 (07122124)	3772889.61	0.04050	(07122124)	465687.38	3772889.61
0.03559	465691.77 (07122124)	3772889.61	0.03714	(07122124)	465696.16	3772889.61
0.03271	465700.55 (07122124)	3772889.61	0.03411	(07122124)	465704.94	3772889.61
0.03013	465709.33 (07122124)	3772889.61	0.03139	(07122124)	465713.72	3772889.61
0.07373	465718.11 (09102924)	3772889.61	0.02894	(07122124)	465630.31	3772892.85
0.06446	465634.70 (09102924)	3772892.85	0.06907	(09102924)	465639.09	3772892.85
0.05687	465643.48 (07122124)	3772892.85	0.06004	(09102924)	465647.87	3772892.85
0.05216	465652.26 (07122124)	3772892.85	0.05448	(07122124)	465656.65	3772892.85
0.04779	465661.04 (07122124)	3772892.85	0.04993	(07122124)	465665.43	3772892.85
0.04382	465669.82 (07122124)	3772892.85	0.04575	(07122124)	465674.21	3772892.85
0.04023	465678.60 (07122124)	3772892.85	0.04201	(07122124)	465682.99	3772892.85
0.03677	465687.38 (07122124)	3772892.85	0.03845	(07122124)	465691.77	3772892.85

				Rialto.ADO (07122124)		
0.03368	465696.16 (07122124)	3772892.85	0.03518	(07122124)	465700.55	3772892.85
0.03093	465704.94 (07122124)	3772892.85	0.03226	(07122124)	465709.33	3772892.85
0.02848	465713.72 (07122124)	3772892.85	0.02967	(07122124)	465718.11	3772892.85
0.06914	465630.31 (09102924)	3772896.09	0.07429	(09102924)	465634.70	3772896.09
0.06026	465639.09 (07122124)	3772896.09	0.06423	(09102924)	465643.48	3772896.09
0.05491	465647.87 (07122124)	3772896.09	0.05755	(07122124)	465652.26	3772896.09
0.04998	465656.65 (07122124)	3772896.09	0.05239	(07122124)	465661.04	3772896.09
0.04557	465665.43 (07122124)	3772896.09	0.04771	(07122124)	465669.82	3772896.09
0.04165	465674.21 (07122124)	3772896.09	0.04355	(07122124)	465678.60	3772896.09
0.03805	465682.99 (07122124)	3772896.09	0.03986	(07122124)	465687.38	3772896.09
0.03472	465691.77 (07122124)	3772896.09	0.03633	(07122124)	465696.16	3772896.09
0.03177	465700.55 (07122124)	3772896.09	0.03320	(07122124)	465704.94	3772896.09
0.02917	465709.33 (07122124)	3772896.09	0.03043	(07122124)	465713.72	3772896.09
0.07439	465718.11 (09102924)	3772896.09	0.02798	(07122124)	465630.31	3772899.33
0.06415	465634.70 (07122124)	3772899.33	0.06880	(09102924)	465639.09	3772899.33
0.05804	465643.48 (07122124)	3772899.33	0.06104	(07122124)	465647.87	3772899.33

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Hea1  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\* 09:16:37

PAGE 42  
 \*\*MODELOPTS: RegDEFAULT CONC      ELEV      URBAN  
  
 \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 STCK1      \*\*\* INCLUDING SOURCE(S):      STCK1      ,  
  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*  
 \*\* CONC OF PM\_2.5 IN MICROGRAMS/M\*\*3      \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	Rialto.ADO (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.05246	465652.26 (07122124)	0.05517	(07122124)	465656.65	3772899.33	0.05517
0.04750	465661.04 (07122124)	0.04990	(07122124)	465665.43	3772899.33	0.04990
0.04316	465669.82 (07122124)	0.04526	(07122124)	465674.21	3772899.33	0.04526
0.03937	465678.60 (07122124)	0.04121	(07122124)	465682.99	3772899.33	0.04121
0.03583	465687.38 (07122124)	0.03757	(07122124)	465691.77	3772899.33	0.03757
0.03267	465696.16 (07122124)	0.03420	(07122124)	465700.55	3772899.33	0.03420
0.02989	465704.94 (07122124)	0.03124	(07122124)	465709.33	3772899.33	0.03124
0.02745	465713.72 (07122124)	0.02863	(07122124)	465718.11	3772899.33	0.02863
0.06853	465630.31 (07122124)	0.07388	(09102924)	465634.70	3772902.57	0.07388
0.06160	465639.09 (07122124)	0.06504	(07122124)	465643.48	3772902.57	0.06504
0.05525	465647.87 (07122124)	0.05833	(07122124)	465652.26	3772902.57	0.05833
0.04966	465656.65 (07122124)	0.05236	(07122124)	465661.04	3772902.57	0.05236
0.04483	465665.43 (07122124)	0.04716	(07122124)	465669.82	3772902.57	0.04716
0.04067	465674.21 (07122124)	0.04267	(07122124)	465678.60	3772902.57	0.04267
0.03698	465682.99 (07122124)	0.03880	(07122124)	465687.38	3772902.57	0.03880
0.03362	465691.77 (07122124)	0.03525	(07122124)	465696.16	3772902.57	0.03525
0.03066	465700.55 (07122124)	0.03209	(07122124)	465704.94	3772902.57	0.03209
0.02807	465709.33 (07122124)	0.02932	(07122124)	465713.72	3772902.57	0.02932
0.07344	465718.11 (07122124)	0.02690	(07122124)	465630.31	3772905.81	0.02690
0.06562	465634.70 (07122124)	0.06945	(07122124)	465639.09	3772905.81	0.06945
0.05839	465643.48 (07122124)	0.06190	(07122124)	465647.87	3772905.81	0.06190
0.05207	465652.26 (07122124)	0.05511	(07122124)	465656.65	3772905.81	0.05511

			Rialto.ADO (07122124)		
0.04666	465661.04	3772905.81	0.04926	465665.43	3772905.81
	(07122124)				
	465669.82	3772905.81	0.04427	465674.21	3772905.81
0.04207	(07122124)				
	465678.60	3772905.81	0.04003	465682.99	3772905.81
0.03815	(07122124)				
	465687.38	3772905.81	0.03631	465691.77	3772905.81
0.03461	(07122124)				
	465696.16	3772905.81	0.03298	465700.55	3772905.81
0.03146	(07122124)				
	465704.94	3772905.81	0.03004	465709.33	3772905.81
0.02872	(07122124)				
	465713.72	3772905.81	0.02748	465718.11	3772905.81
0.02633	(07122124)				
	465630.31	3772909.05	0.07445	465634.70	3772909.05
0.07002	(07122124)				
	465639.09	3772909.05	0.06583	465643.48	3772909.05
0.06192	(07122124)				
	465647.87	3772909.05	0.05819	465652.26	3772909.05
0.05475	(07122124)				
	465656.65	3772909.05	0.05159	465661.04	3772909.05
0.04868	(07122124)				
	465665.43	3772909.05	0.04602	465669.82	3772909.05
0.04359	(07122124)				
	465674.21	3772909.05	0.04135	465678.60	3772909.05
0.03929	(07122124)				
	465682.99	3772909.05	0.03741	465687.38	3772909.05
0.03557	(07122124)				
	465691.77	3772909.05	0.03388	465696.16	3772909.05
0.03229	(07122124)				
	465700.55	3772909.05	0.03078	465704.94	3772909.05
0.02938	(07122124)				
	465709.33	3772909.05	0.02808	465713.72	3772909.05
0.02687	(07122124)				
	465718.11	3772909.05	0.02574	465630.31	3772912.29
0.07502	(07122124)				

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
\*\*\*                    12/22/15  
\*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
\*\*\*                    09:16:37

PAGE 43  
\*\*MODELOPTS: RegDFAULT CONC            ELEV            URBAN  
\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP:  
STCK1      \*\*\*  
   INCLUDING SOURCE(S):      STCK1            ,

Rialto.ADO  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.06568	465634.70 (07122124)	0.07017	(07122124)	465639.09	3772912.29	
0.05771	465643.48 (07122124)	0.06156	(07122124)	465647.87	3772912.29	
0.05089	465652.26 (07122124)	0.05415	(07122124)	465656.65	3772912.29	
0.04523	465661.04 (07122124)	0.04793	(07122124)	465665.43	3772912.29	
0.04052	465669.82 (07122124)	0.04277	(07122124)	465674.21	3772912.29	
0.03658	465678.60 (07122124)	0.03847	(07122124)	465682.99	3772912.29	
0.03309	465687.38 (07122124)	0.03477	(07122124)	465691.77	3772912.29	
0.03007	465696.16 (07122124)	0.03153	(07122124)	465700.55	3772912.29	
0.02742	465704.94 (07122124)	0.02869	(07122124)	465709.33	3772912.29	
0.02513	465713.72 (07122124)	0.02623	(07122124)	465718.11	3772912.29	
0.06987	465630.31 (07122124)	0.07506	(07122124)	465634.70	3772915.53	
0.06083	465639.09 (07122124)	0.06513	(07122124)	465643.48	3772915.53	
0.05329	465647.87 (07122124)	0.05695	(07122124)	465652.26	3772915.53	
0.04700	465656.65 (07122124)	0.04999	(07122124)	465661.04	3772915.53	
0.04183	465665.43 (07122124)	0.04429	(07122124)	465669.82	3772915.53	
0.03755	465674.21 (07122124)	0.03959	(07122124)	465678.60	3772915.53	
0.03390	465682.99 (07122124)	0.03568	(07122124)	465687.38	3772915.53	
0.03072	465691.77 (07122124)	0.03224	(07122124)	465696.16	3772915.53	
0.02797	465700.55 (07122124)	0.02931	(07122124)	465704.94	3772915.53	
0.02616	465709.33 (10061124)	0.02673	(07122124)	465713.72	3772915.53	

465718.11 3772915.53

0.02567

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 44

\*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 ,  
 L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 ,  
 L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 ,  
 L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>

\*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.14477	465630.31 (09010324)	3772850.73	0.14482 (09010324)	465634.70	3772850.73	
0.14466	465639.09 (09010324)	3772850.73	0.14471 (09010324)	465643.48	3772850.73	
0.14456	465647.87 (09010324)	3772850.73	0.14461 (09010324)	465652.26	3772850.73	
0.14447	465656.65 (09010324)	3772850.73	0.14451 (09010324)	465661.04	3772850.73	
0.14439	465665.43 (09010324)	3772850.73	0.14443 (09010324)	465669.82	3772850.73	
0.14429	465674.21 (09010324)	3772850.73	0.14436 (09010324)	465678.60	3772850.73	
0.14397	465682.99 (09010324)	3772850.73	0.14417 (09010324)	465687.38	3772850.73	
0.14351	465691.77 (09010324)	3772850.73	0.14376 (09010324)	465696.16	3772850.73	
0.14289	465700.55 (09010324)	3772850.73	0.14322 (09010324)	465704.94	3772850.73	
	465709.33	3772850.73	0.14255 (09010324)	465713.72	3772850.73	

Rialto.ADO

0.14220	(09010324)				
	465718.11	3772850.73	0.14184	(09010324)	465630.31 3772853.97
0.14922	(09010324)		0.14915	(09010324)	465639.09 3772853.97
	465634.70	3772853.97	0.14901	(09010324)	465647.87 3772853.97
0.14908	(09010324)		0.14887	(09010324)	465656.65 3772853.97
	465643.48	3772853.97	0.14875	(09010324)	465665.43 3772853.97
0.14894	(09010324)		0.14863	(09010324)	465674.21 3772853.97
	465652.26	3772853.97	0.14853	(09010324)	465682.99 3772853.97
0.14881	(09010324)		0.14824	(09010324)	465691.77 3772853.97
	465661.04	3772853.97	0.14774	(09010324)	465700.55 3772853.97
0.14869	(09010324)		0.14708	(09010324)	465709.33 3772853.97
	465669.82	3772853.97	0.14637	(09010324)	465718.11 3772853.97
0.14858	(09010324)		0.15391	(09010324)	465634.70 3772857.21
	465678.60	3772853.97	0.15372	(09010324)	465643.48 3772857.21
0.14842	(09010324)		0.15355	(09010324)	465652.26 3772857.21
	465687.38	3772853.97	0.15338	(09010324)	465661.04 3772857.21
0.14802	(09010324)		0.15322	(09010324)	465669.82 3772857.21
	465696.16	3772853.97	0.15308	(09010324)	465678.60 3772857.21
0.14742	(09010324)		0.15293	(09010324)	465687.38 3772857.21
	465704.94	3772853.97	0.15252	(09010324)	465696.16 3772857.21
0.14673	(09010324)		0.15188	(09010324)	465704.94 3772857.21
	465713.72	3772853.97	0.15117	(09010324)	465713.72 3772857.21
0.14601	(09010324)		0.15044	(09010324)	465630.31 3772860.45
	465630.31	3772857.21	0.15880	(09010324)	465639.09 3772860.45
0.15381	(09010324)		0.15858	(09010324)	465647.87 3772860.45
	465639.09	3772857.21			
0.15363	(09010324)				
	465647.87	3772857.21			
0.15346	(09010324)				
	465656.65	3772857.21			
0.15330	(09010324)				
	465665.43	3772857.21			
0.15315	(09010324)				
	465674.21	3772857.21			
0.15301	(09010324)				
	465682.99	3772857.21			
0.15278	(09010324)				
	465691.77	3772857.21			
0.15221	(09010324)				
	465700.55	3772857.21			
0.15153	(09010324)				
	465709.33	3772857.21			
0.15081	(09010324)				
	465718.11	3772857.21			
0.15891	(09010324)				
	465634.70	3772860.45			
0.15869	(09010324)				
	465643.48	3772860.45			

Rialto.ADO

0.15847 (09010324)	465652.26	3772860.45	0.15836 (09010324)	465656.65	3772860.45
0.15826 (09010324)	465661.04	3772860.45	0.15816 (09010324)	465665.43	3772860.45
0.15806 (09010324)	465669.82	3772860.45	0.15797 (09010324)	465674.21	3772860.45
0.15788 (09010324)	465678.60	3772860.45	0.15779 (09010324)	465682.99	3772860.45
0.15771 (09010324)	465687.38	3772860.45	0.15756 (09010324)	465691.77	3772860.45
0.15731 (09010324)	465696.16	3772860.45	0.15697 (09010324)	465700.55	3772860.45
0.15662 (09010324)					

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 45

\*\*MODELOPTs: RegDFault CONC ELEV URBAN

ALL \*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
465704.94	3772860.45	0.15626 (09010324)	465709.33	3772860.45	
0.15590 (09010324)					
465713.72	3772860.45	0.15554 (09010324)	465718.11	3772860.45	
0.15516 (09010324)					
465630.31	3772863.69	0.16427 (09010324)	465634.70	3772863.69	
0.16413 (09010324)					
465639.09	3772863.69	0.16400 (09010324)	465643.48	3772863.69	
0.16386 (09010324)					



0.16360	465647.87 (09010324)	3772863.69	0.16373	Rialto.ADO (09010324)	465652.26	3772863.69
0.16335	465656.65 (09010324)	3772863.69	0.16348	(09010324)	465661.04	3772863.69
0.16312	465665.43 (09010324)	3772863.69	0.16323	(09010324)	465669.82	3772863.69
0.16290	465674.21 (09010324)	3772863.69	0.16301	(09010324)	465678.60	3772863.69
0.16265	465682.99 (09010324)	3772863.69	0.16280	(09010324)	465687.38	3772863.69
0.16204	465691.77 (09010324)	3772863.69	0.16239	(09010324)	465696.16	3772863.69
0.16132	465700.55 (09010324)	3772863.69	0.16168	(09010324)	465704.94	3772863.69
0.16058	465709.33 (09010324)	3772863.69	0.16095	(09010324)	465713.72	3772863.69
0.17002	465718.11 (09010324)	3772863.69	0.16020	(09010324)	465630.31	3772866.93
0.16969	465634.70 (09010324)	3772866.93	0.16985	(09010324)	465639.09	3772866.93
0.16938	465643.48 (09010324)	3772866.93	0.16953	(09010324)	465647.87	3772866.93
0.16907	465652.26 (09010324)	3772866.93	0.16922	(09010324)	465656.65	3772866.93
0.16878	465661.04 (09010324)	3772866.93	0.16893	(09010324)	465665.43	3772866.93
0.16851	465669.82 (09010324)	3772866.93	0.16864	(09010324)	465674.21	3772866.93
0.16825	465678.60 (09010324)	3772866.93	0.16838	(09010324)	465682.99	3772866.93
0.16780	465687.38 (09010324)	3772866.93	0.16807	(09010324)	465691.77	3772866.93
0.16711	465696.16 (09010324)	3772866.93	0.16747	(09010324)	465700.55	3772866.93
0.16636	465704.94 (09010324)	3772866.93	0.16673	(09010324)	465709.33	3772866.93
0.16560	465713.72 (09010324)	3772866.93	0.16598	(09010324)	465718.11	3772866.93
0.17600	465630.31 (09010324)	3772870.17	0.17620	(09010324)	465634.70	3772870.17
0.17563	465639.09 (09010324)	3772870.17	0.17581	(09010324)	465643.48	3772870.17
0.17526	465647.87 (09010324)	3772870.17	0.17544	(09010324)	465652.26	3772870.17
0.17491	465656.65 (09010324)	3772870.17	0.17509	(09010324)	465661.04	3772870.17
0.17458	465665.43 (09010324)	3772870.17	0.17474	(09010324)	465669.82	3772870.17

			Rialto.ADO (09010324)		
0.17427	465674.21	3772870.17	0.17442	465678.60	3772870.17
	(09010324)				
0.17386	465682.99	3772870.17	0.17408	465687.38	3772870.17
	(09010324)				
0.17330	465691.77	3772870.17	0.17361	465696.16	3772870.17
	(09010324)				
0.17254	465700.55	3772870.17	0.17292	465704.94	3772870.17
	(09010324)				
0.17177	465709.33	3772870.17	0.17216	465713.72	3772870.17
	(09010324)				
0.18286	465718.11	3772870.17	0.17138	465630.31	3772873.41
	(09010324)				
0.18241	465634.70	3772873.41	0.18264	465639.09	3772873.41
	(09010324)				
0.18198	465643.48	3772873.41	0.18219	465647.87	3772873.41
	(09010324)				
0.18156	465652.26	3772873.41	0.18177	465656.65	3772873.41
	(09010324)				
0.18117	465661.04	3772873.41	0.18136	465665.43	3772873.41
	(09010324)				
0.18079	465669.82	3772873.41	0.18097	465674.21	3772873.41
	(09010324)				
0.18036	465678.60	3772873.41	0.18059	465682.99	3772873.41
	(09010324)				

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*                    09:16:37

PAGE 46  
 \*\*MODELOPTS: RegDFAULT CONC                    ELEV                    URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL                    \*\*\*  
    INCLUDING SOURCE(S):    L0001054                    ,    L0001055                    ,    L0001056                    ,  
 L0001057                    ,    L0001058                    ,  
    L0001059                    ,    L0001060                    ,    L0001061                    ,    L0001062                    ,    L0001063                    ,    L0001064                    ,  
 L0001065                    ,    L0001066                    ,  
    L0001067                    ,    L0001068                    ,    L0001069                    ,    L0001070                    ,    L0001071                    ,    L0001072                    ,  
 L0001073                    ,    L0001074                    ,  
    L0001075                    ,    L0001076                    ,    L0001077                    ,    L0001078                    ,    L0001079                    ,    L0001080                    ,  
 L0001081                    ,    . . .                    ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF PM\_2.5    IN MICROGRAMS/M\*\*3                    \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
-------------	-------------	------	------------	-------------	-------------	------

Rialto.ADO

(YYMMDDHH)

0.17985	465687.38 (09010324)	3772873.41	0.18010	(09010324)	465691.77	3772873.41
0.17918	465696.16 (09010324)	3772873.41	0.17954	(09010324)	465700.55	3772873.41
0.17840	465704.94 (09010324)	3772873.41	0.17879	(09010324)	465709.33	3772873.41
0.17760	465713.72 (09010324)	3772873.41	0.17800	(09010324)	465718.11	3772873.41
0.18981	465630.31 (09010324)	3772876.65	0.19007	(09010324)	465634.70	3772876.65
0.18929	465639.09 (09010324)	3772876.65	0.18955	(09010324)	465643.48	3772876.65
0.18880	465647.87 (09010324)	3772876.65	0.18905	(09010324)	465652.26	3772876.65
0.18833	465656.65 (09010324)	3772876.65	0.18857	(09010324)	465661.04	3772876.65
0.18788	465665.43 (09010324)	3772876.65	0.18811	(09010324)	465669.82	3772876.65
0.18742	465674.21 (09010324)	3772876.65	0.18766	(09010324)	465678.60	3772876.65
0.18684	465682.99 (09010324)	3772876.65	0.18713	(09010324)	465687.38	3772876.65
0.18628	465691.77 (09010324)	3772876.65	0.18657	(09010324)	465696.16	3772876.65
0.18553	465700.55 (09010324)	3772876.65	0.18593	(09010324)	465704.94	3772876.65
0.18472	465709.33 (09010324)	3772876.65	0.18513	(09010324)	465713.72	3772876.65
0.19789	465718.11 (09010324)	3772876.65	0.18431	(09010324)	465630.31	3772879.89
0.19729	465634.70 (09010324)	3772879.89	0.19759	(09010324)	465639.09	3772879.89
0.19671	465643.48 (09010324)	3772879.89	0.19700	(09010324)	465647.87	3772879.89
0.19616	465652.26 (09010324)	3772879.89	0.19643	(09010324)	465656.65	3772879.89
0.19563	465661.04 (09010324)	3772879.89	0.19589	(09010324)	465665.43	3772879.89
0.19511	465669.82 (09010324)	3772879.89	0.19537	(09010324)	465674.21	3772879.89
0.19447	465678.60 (09010324)	3772879.89	0.19480	(09010324)	465682.99	3772879.89
0.19386	465687.38 (09010324)	3772879.89	0.19415	(09010324)	465691.77	3772879.89
	465696.16	3772879.89	0.19357	(09010324)	465700.55	3772879.89

Rialto.ADO

0.19323	(09010324)	465704.94	3772879.89	0.19283	(09010324)	465709.33	3772879.89
0.19241	(09010324)	465713.72	3772879.89	0.19199	(09010324)	465718.11	3772879.89
0.19156	(09010324)	465630.31	3772883.13	0.20640	(09010324)	465634.70	3772883.13
0.20606	(09010324)	465639.09	3772883.13	0.20572	(09010324)	465643.48	3772883.13
0.20538	(09010324)	465647.87	3772883.13	0.20506	(09010324)	465652.26	3772883.13
0.20473	(09010324)	465656.65	3772883.13	0.20442	(09010324)	465661.04	3772883.13
0.20412	(09010324)	465665.43	3772883.13	0.20382	(09010324)	465669.82	3772883.13
0.20351	(09010324)	465674.21	3772883.13	0.20320	(09010324)	465678.60	3772883.13
0.20284	(09010324)	465682.99	3772883.13	0.20247	(09010324)	465687.38	3772883.13
0.20212	(09010324)	465691.77	3772883.13	0.20179	(09010324)	465696.16	3772883.13
0.20150	(09010324)	465700.55	3772883.13	0.20115	(09010324)	465704.94	3772883.13
0.20075	(09010324)	465709.33	3772883.13	0.20032	(09010324)	465713.72	3772883.13
0.19988	(09010324)	465718.11	3772883.13	0.19944	(09010324)	465630.31	3772886.37
0.21571	(09010324)	465634.70	3772886.37	0.21532	(09010324)	465639.09	3772886.37
0.21493	(09010324)	465643.48	3772886.37	0.21455	(09010324)	465647.87	3772886.37
0.21418	(09010324)	465652.26	3772886.37	0.21381	(09010324)	465656.65	3772886.37
0.21346	(09010324)	465661.04	3772886.37	0.21311	(09010324)	465665.43	3772886.37
0.21276	(09010324)						

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 47

\*\*MODELOPTS: RegDFAULT CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:

ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,

Rialto.ADO

L0001065 , L0001066 ,  
 L0001073 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001081 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M) (YYMMDDHH)		Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.21204	465669.82	3772886.37	0.21241	(09010324)	465674.21	3772886.37	
0.21121	465678.60	3772886.37	0.21162	(09010324)	465682.99	3772886.37	
0.21047	465687.38	3772886.37	0.21082	(09010324)	465691.77	3772886.37	
0.20980	465696.16	3772886.37	0.21014	(09010324)	465700.55	3772886.37	
0.20894	465704.94	3772886.37	0.20939	(09010324)	465709.33	3772886.37	
0.20803	465713.72	3772886.37	0.20849	(09010324)	465718.11	3772886.37	
0.22550	465630.31	3772889.61	0.22594	(09010324)	465634.70	3772889.61	
0.22462	465639.09	3772889.61	0.22505	(09010324)	465643.48	3772889.61	
0.22378	465647.87	3772889.61	0.22420	(09010324)	465652.26	3772889.61	
0.22297	465656.65	3772889.61	0.22337	(09010324)	465661.04	3772889.61	
0.22218	465665.43	3772889.61	0.22257	(09010324)	465669.82	3772889.61	
0.22126	465674.21	3772889.61	0.22173	(09010324)	465678.60	3772889.61	
0.22038	465682.99	3772889.61	0.22080	(09010324)	465687.38	3772889.61	
0.21963	465691.77	3772889.61	0.21999	(09010324)	465696.16	3772889.61	
0.21887	465700.55	3772889.61	0.21927	(09010324)	465704.94	3772889.61	
0.21792	465709.33	3772889.61	0.21839	(09010324)	465713.72	3772889.61	
0.23724	465718.11	3772889.61	0.21743	(09010324)	465630.31	3772892.85	

				Rialto.ADO (09010324)		
0.23622	465634.70	3772892.85	0.23673	(09010324)	465639.09	3772892.85
	(09010324)					
	465643.48	3772892.85	0.23573	(09010324)	465647.87	3772892.85
0.23525	(09010324)					
	465652.26	3772892.85	0.23478	(09010324)	465656.65	3772892.85
0.23431	(09010324)					
	465661.04	3772892.85	0.23385	(09010324)	465665.43	3772892.85
0.23340	(09010324)					
	465669.82	3772892.85	0.23293	(09010324)	465674.21	3772892.85
0.23242	(09010324)					
	465678.60	3772892.85	0.23189	(09010324)	465682.99	3772892.85
0.23139	(09010324)					
	465687.38	3772892.85	0.23092	(09010324)	465691.77	3772892.85
0.23049	(09010324)					
	465696.16	3772892.85	0.23008	(09010324)	465700.55	3772892.85
0.22971	(09010324)					
	465704.94	3772892.85	0.22928	(09010324)	465709.33	3772892.85
0.22879	(09010324)					
	465713.72	3772892.85	0.22828	(09010324)	465718.11	3772892.85
0.22778	(09010324)					
	465630.31	3772896.09	0.24977	(09010324)	465634.70	3772896.09
0.24919	(09010324)					
	465639.09	3772896.09	0.24862	(09010324)	465643.48	3772896.09
0.24807	(09010324)					
	465647.87	3772896.09	0.24752	(09010324)	465652.26	3772896.09
0.24697	(09010324)					
	465656.65	3772896.09	0.24644	(09010324)	465661.04	3772896.09
0.24592	(09010324)					
	465665.43	3772896.09	0.24540	(09010324)	465669.82	3772896.09
0.24485	(09010324)					
	465674.21	3772896.09	0.24427	(09010324)	465678.60	3772896.09
0.24369	(09010324)					
	465682.99	3772896.09	0.24313	(09010324)	465687.38	3772896.09
0.24261	(09010324)					
	465691.77	3772896.09	0.24212	(09010324)	465696.16	3772896.09
0.24167	(09010324)					
	465700.55	3772896.09	0.24125	(09010324)	465704.94	3772896.09
0.24081	(09010324)					
	465709.33	3772896.09	0.24029	(09010324)	465713.72	3772896.09
0.23975	(09010324)					
	465718.11	3772896.09	0.23922	(09010324)	465630.31	3772899.33
0.26377	(09010324)					
	465634.70	3772899.33	0.26311	(09010324)	465639.09	3772899.33
0.26247	(09010324)					
	465643.48	3772899.33	0.26183	(09010324)	465647.87	3772899.33
0.26120	(09010324)					

□ \*\*\* AERMOD - VERSION 15181 \*\*\*  
 \*\*\* 12/22/15

\*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal

\*\*\* AERMET - VERSION 14134 \*\*\*  
 \*\*\* 09:16:37 \*\*\*

PAGE 48  
 \*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>					**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
0.25998	465652.26 (09010324)	3772899.33	0.26058 (09010324)	465656.65	3772899.33		
0.25878	465661.04 (09010324)	3772899.33	0.25938 (09010324)	465665.43	3772899.33		
0.25749	465669.82 (09010324)	3772899.33	0.25815 (09010324)	465674.21	3772899.33		
0.25623	465678.60 (09010324)	3772899.33	0.25684 (09010324)	465682.99	3772899.33		
0.25510	465687.38 (09010324)	3772899.33	0.25564 (09010324)	465691.77	3772899.33		
0.25412	465696.16 (09010324)	3772899.33	0.25459 (09010324)	465700.55	3772899.33		
0.25310	465704.94 (09010324)	3772899.33	0.25363 (09010324)	465709.33	3772899.33		
0.25193	465713.72 (09010324)	3772899.33	0.25251 (09010324)	465718.11	3772899.33		
0.27875	465630.31 (09010324)	3772902.57	0.27950 (09010324)	465634.70	3772902.57		
0.27729	465639.09 (09010324)	3772902.57	0.27802 (09010324)	465643.48	3772902.57		
0.27587	465647.87 (09010324)	3772902.57	0.27657 (09010324)	465652.26	3772902.57		
	465656.65	3772902.57	0.27518 (09010324)	465661.04	3772902.57		

Rialto.ADO

0.27449	(09010324)					
	465665.43	3772902.57	0.27380	(09010324)	465669.82	3772902.57
0.27308	(09010324)					
	465674.21	3772902.57	0.27234	(09010324)	465678.60	3772902.57
0.27161	(09010324)					
	465682.99	3772902.57	0.27092	(09010324)	465687.38	3772902.57
0.27027	(09010324)					
	465691.77	3772902.57	0.26966	(09010324)	465696.16	3772902.57
0.26908	(09010324)					
	465700.55	3772902.57	0.26853	(09010324)	465704.94	3772902.57
0.26800	(09010324)					
	465709.33	3772902.57	0.26743	(09010324)	465713.72	3772902.57
0.26679	(09010324)					
	465718.11	3772902.57	0.26615	(09010324)	465630.31	3772905.81
0.29731	(09010324)					
	465634.70	3772905.81	0.29646	(09010324)	465639.09	3772905.81
0.29562	(09010324)					
	465643.48	3772905.81	0.29479	(09010324)	465647.87	3772905.81
0.29397	(09010324)					
	465652.26	3772905.81	0.29316	(09010324)	465656.65	3772905.81
0.29237	(09010324)					
	465661.04	3772905.81	0.29158	(09010324)	465665.43	3772905.81
0.29078	(09010324)					
	465669.82	3772905.81	0.28996	(09010324)	465674.21	3772905.81
0.28912	(09010324)					
	465678.60	3772905.81	0.28830	(09010324)	465682.99	3772905.81
0.28752	(09010324)					
	465687.38	3772905.81	0.28679	(09010324)	465691.77	3772905.81
0.28609	(09010324)					
	465696.16	3772905.81	0.28543	(09010324)	465700.55	3772905.81
0.28480	(09010324)					
	465704.94	3772905.81	0.28421	(09010324)	465709.33	3772905.81
0.28357	(09010324)					
	465713.72	3772905.81	0.28287	(09010324)	465718.11	3772905.81
0.28216	(09010324)					
	465630.31	3772909.05	0.31764	(09010324)	465634.70	3772909.05
0.31667	(09010324)					
	465639.09	3772909.05	0.31570	(09010324)	465643.48	3772909.05
0.31474	(09010324)					
	465647.87	3772909.05	0.31380	(09010324)	465652.26	3772909.05
0.31288	(09010324)					
	465656.65	3772909.05	0.31196	(09010324)	465661.04	3772909.05
0.31106	(09010324)					
	465665.43	3772909.05	0.31014	(09010324)	465669.82	3772909.05
0.30919	(09010324)					
	465674.21	3772909.05	0.30823	(09010324)	465678.60	3772909.05
0.30731	(09010324)					
	465682.99	3772909.05	0.30643	(09010324)	465687.38	3772909.05



Rialto.ADO

0.30559 (09010324)	465691.77	3772909.05	0.30479 (09010324)	465696.16	3772909.05
0.30403 (09010324)	465700.55	3772909.05	0.30330 (09010324)	465704.94	3772909.05
0.30262 (09010324)	465709.33	3772909.05	0.30191 (09010324)	465713.72	3772909.05
0.30113 (09010324)	465718.11	3772909.05	0.30034 (09010324)	465630.31	3772912.29

0.34106 (09010324)  
 \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\* 12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
 \*\*\* 09:16:37

PAGE 49  
 \*\*MODELOPTS: RegDFault CONC ELEV URBAN

\*\*\* THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  
 ALL \*\*\*  
 INCLUDING SOURCE(S): L0001054 , L0001055 , L0001056 ,  
 L0001057 , L0001058 , L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
 L0001065 , L0001066 , L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
 L0001073 , L0001074 , L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
 L0001081 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF PM <sub>2.5</sub> IN MICROGRAMS/M <sup>3</sup>				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
0.33881	465634.70 (09010324)	3772912.29	0.33994 (09010324)	465639.09	3772912.29	
0.33663	465643.48 (09010324)	3772912.29	0.33771 (09010324)	465647.87	3772912.29	
0.33449	465652.26 (09010324)	3772912.29	0.33555 (09010324)	465656.65	3772912.29	
0.33239	465661.04 (09010324)	3772912.29	0.33345 (09010324)	465665.43	3772912.29	
0.33019	465669.82 (09010324)	3772912.29	0.33129 (09010324)	465674.21	3772912.29	
0.32813	465678.60 (09010324)	3772912.29	0.32913 (09010324)	465682.99	3772912.29	

GROUP ID	CONC	NETWORK	CONC	RECEPTOR	CONC
0.32625	465687.38	3772912.29	0.32717	Rialto.ADO (09010324)	465691.77
	(09010324)				
0.32452	465696.16	3772912.29	0.32535	(09010324)	465700.55
	(09010324)				
0.32291	465704.94	3772912.29	0.32372	(09010324)	465709.33
	(09010324)				
0.32113	465713.72	3772912.29	0.32203	(09010324)	465718.11
	(09010324)				
0.36698	465630.31	3772915.53	0.36829	(09010324)	465634.70
	(09010324)				
0.36439	465639.09	3772915.53	0.36567	(09010324)	465643.48
	(09010324)				
0.36188	465647.87	3772915.53	0.36314	(09010324)	465652.26
	(09010324)				
0.35943	465656.65	3772915.53	0.36064	(09010324)	465661.04
	(09010324)				
0.35691	465665.43	3772915.53	0.35820	(09010324)	465669.82
	(09010324)				
0.35444	465674.21	3772915.53	0.35565	(09010324)	465678.60
	(09010324)				
0.35217	465682.99	3772915.53	0.35329	(09010324)	465687.38
	(09010324)				
0.35004	465691.77	3772915.53	0.35108	(09010324)	465696.16
	(09010324)				
0.34812	465700.55	3772915.53	0.34906	(09010324)	465704.94
	(09010324)				
0.34616	465709.33	3772915.53	0.34717	(09010324)	465713.72
	(09010324)				
	465718.11	3772915.53	0.34514	(09010324)	

\*\*\* AERMOD - VERSION 15181 \*\*\*      \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
 \*\*\*                    12/22/15  
 \*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
 \*\*\*                    09:16:37

PAGE 50

\*\*MODELOPTS: RegDFAULT CONC      ELEV      URBAN

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup>      \*\*

GROUP ID	NETWORK	AVERAGE CONC	DATE	RECEPTOR
ZFLAG)	OF TYPE    GRID-ID		(YYMMDDHH)	(XR, YR, ZELEV, ZHILL,
-----				

Rialto.ADO

```

- - - - -
SLINE1  HIGH  1ST HIGH VALUE IS      0.58693  ON 10120516: AT ( 465630.31,  3772915.53,   0.00,
0.00,    0.00)  DC
STCK1   HIGH  1ST HIGH VALUE IS      0.20408  ON 07010718: AT ( 465630.31,  3772915.53,   0.00,
0.00,    0.00)  DC
ALL     HIGH  1ST HIGH VALUE IS      0.58868  ON 10120516: AT ( 465630.31,  3772915.53,   0.00,
0.00,    0.00)  DC
  
```

```

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

```

□ *** AERMOD - VERSION 15181 *** *** H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal
***      12/22/15
*** AERMET - VERSION 14134 *** ***
***      09:16:37
  
```

```

PAGE 51
**MODELOPTS:  RegDFault CONC      ELEV      URBAN
  
```

\*\*\* THE SUMMARY OF HIGHEST 24-HR RESULTS \*\*\*

\*\* CONC OF PM<sub>2.5</sub> IN MICROGRAMS/M<sup>3</sup> \*\*

GROUP ID ZFLAG)	NETWORK		AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL,
	OF TYPE	GRID-ID			
SLINE1 0.00,	HIGH 0.00)	1ST HIGH VALUE IS DC	0.35464	ON 09010324:	AT ( 465630.31,  3772915.53,   0.00,
STCK1 0.00,	HIGH 0.00)	1ST HIGH VALUE IS DC	0.07506	ON 07122124:	AT ( 465630.31,  3772915.53,   0.00,
ALL 0.00,	HIGH 0.00)	1ST HIGH VALUE IS DC	0.36829	ON 09010324:	AT ( 465630.31,  3772915.53,   0.00,

```

*** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
  
```

DC = DISCCART  
DP = DISCPOLR

□ \*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* H:\pdata\148971\Admin\Reports\Environmental\Tech Studies\AQ-GHG\Heal  
\*\*\* 12/22/15  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 09:16:37

PAGE 52  
\*\*MODELOPTS: RegDEFAULT CONC ELEV URBAN

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

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

A Total of 0 Fatal Error Message(s)  
A Total of 0 Warning Message(s)  
A Total of 1086 Informational Message(s)  
  
A Total of 43824 Hours Were Processed  
  
A Total of 37 Calm Hours Identified  
  
A Total of 1049 Missing Hours Identified ( 2.39 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*