



December 19<sup>th</sup> 2016

MRS. JUDITH A. ENCK  
 REGIONAL ADMINISTRATOR  
 USEPA – REGION 2  
 290 BROADWAY  
 NEW YORK NY 10007-1866

Dear Mrs. Enck:

**PUERTO RICO’S MODELING RESULTS FOR THE 2010 PRIMARY SO<sub>2</sub> NAAQS RECOMMENDATION FOR NON-ATTAINMENT AREAS DESIGNATION**

As required by Title 40 of the Code of Federal Regulations, Section 51.1203(d)(3), Air Agencies shall conduct and submit to the EPA Regional Office the Modeling Analysis for Emission Sources with SO<sub>2</sub> emissions on or above 2,000 tons per year (tpy), for its associate area and nearby area. Air Agencies shall conduct and submit Modeling Analysis on or before January 13<sup>th</sup> 2017.

PREQB performed a 1-hour SO<sub>2</sub> Designation Modeling Analysis for the following geographical areas of the Commonwealth of Puerto Rico: Guayama-Salinas, Guayanilla and San Juan. Table 1 summarizes Modeling Results.

**Table 1.** Summary of the Puerto Rico 1-hour SO<sub>2</sub> Designation Modeling Results.

Emission Sources with SO <sub>2</sub> emissions on or above 2,000 tpy	Name of Geographical area	Maximum impact area (radius in kilometers)	1-Hour SO <sub>2</sub> Design Value (µg/m <sup>3</sup> )	1-hour SO <sub>2</sub> NAAQS (µg/m <sup>3</sup> )
PREPA Aguirre	Guayama-Salinas	5.4	232	196
PREPA Costa Sur	Guayanilla	7.0	1,046	
PREPA San Juan	San Juan	3.6	343	
PREPA Palo Seco	San Juan	2.7	207	

According to the modeling results, the SO<sub>2</sub> emissions of the four facilities included in the study do not comply with the 1-hour SO<sub>2</sub> NAAQS of 196 µg/m<sup>3</sup>.

Based on the Modeling Results, PREQB recommends to EPA the designation of Guayama-Salinas, Guayanilla and San Juan as Non-Attainment Areas for the 1-hour SO<sub>2</sub> NAAQS, and the designation of Unclassified/Attainment Area for the remaining geographical areas of the Commonwealth of Puerto Rico.

If you have any question, please, feel free to contact the PREQB's Air Quality Manager at (787)767-8181 x-3269, or Mrs. Lucía Fernández, Chief of the Air Monitoring, Validation & Data Management Division at (787)767-8181 x-3254.

Cordially,



Weldin Ortiz-Franco  
Chairman

Enclosure: *Puerto Rico 1-hour SO<sub>2</sub> Designation Modeling Results*

c Mr. John Filippelli, CASD Director  
Mr. Richard Ruvo, EPA Air Program Branch Director  
Mrs. Carmen Guerrero, CEPD Director



PUERTO RICO 1-HOUR SO<sub>2</sub> DESIGNATION MODELING RESULTS

PUERTO RICO ENVIRONMENTAL QUALITY BOARD  
AIR MONITORING, VALIDATION & DATA MANAGEMENT

SEPTEMBER 2016

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List of Acronyms

DRR	Data Requirements Rule
NAAQS	National Ambient Air Quality Standards
SO <sub>2</sub>	Sulfur Dioxide
PPB	Parts Per Billion
EPA	Environmental Protection Agency
EQB	Environmental Quality Board
PREPA	Puerto Rico Power Electric Authority
SO <sub>2</sub> TAD	SO <sub>2</sub> NAAQS Designations Modeling Technical Assistance Document

## Introduction

This document presents the modeling results for the designation of the 2010 1-hour SO<sub>2</sub> NAAQS in Puerto Rico. In June 2010, the EPA promulgated the new 1-hour primary SO<sub>2</sub> NAAQS of 75 parts per billion (ppb), which is met at an ambient air quality monitoring site, when the 3-year average of the 99<sup>th</sup> percentile of 1-hour daily maximum concentrations does not exceed 75 ppb.

According to the 40 CFR Part 51, Data Requirements Rule (DRR)<sup>1</sup> for the 2010 1-hour SO<sub>2</sub> Primary NAAQS signed on August 10 2015, EPA is promulgating a rule directing state and tribal air agencies to provide data to characterize current air quality areas with large sources of SO<sub>2</sub> emissions (2,000 tons per year or more) to identify maximum 1-hour SO<sub>2</sub> concentrations in ambient air. The final rule set a process and timetable for agencies to either establish ambient monitoring sites or conduct air quality modeling and submit the air quality data to EPA.

On January 2016, EQB submitted EPA a list of the sources with SO<sub>2</sub> emissions over 2000 tons/yr. EQB determined three areas in Puerto Rico that have SO<sub>2</sub> sources with emissions over 2,000 tons/yr. The areas are San Juan, Guayama-Salinas and Guayanilla. The sources in San Juan area with SO<sub>2</sub> emissions over 2,000 tons/yr are PREPA San Juan and PREPA Palo Seco. In Guayama-Salinas area is PREPA Aguirre and in Guayanilla is PREPA Costa Sur.

EQB decided to characterize the air quality in the areas with SO<sub>2</sub> emissions sources over 2,000 tons/yr with dispersion modeling. The air quality model for the analysis is AERMOD, with three years of meteorological data and three years of actual SO<sub>2</sub> emissions, as recommended in the SO<sub>2</sub> NAAQS Designations Modeling Technical Assistance Document (SO<sub>2</sub>TAD)<sup>2</sup>. On July 2016, EQB submitted to EPA the Puerto Rico 1-Hour SO<sub>2</sub> Designation Modeling Protocol<sup>3</sup> for its revision and approval. After that, EQB started the modeling process for the 1-hour SO<sub>2</sub> standard designation.

## Emission Inventory

The emission inventory used for the study was three years of SO<sub>2</sub> actual emissions data, from the years 2013 to 2015. EQB followed the recommendation in the SO<sub>2</sub>TAD of using the three most recent available years of SO<sub>2</sub> actual emissions. EQB used the SO<sub>2</sub> actual emissions certified data, submitted annually by PREPA.

This report is revised by the Inspection and Compliance Division of the Air Quality Area, to determine conformity with the air quality permit and regulations.

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<sup>1</sup> Data Requirements Rule for 2010 1-Hour Sulfur Dioxide (SO<sub>2</sub>) Primary National Ambient Air Quality Standard (NAAQS). 40 CFR Part 51.

<sup>2</sup> SO<sub>2</sub> NAAQS Designations Modeling Technical Assistance Document, USEPA. August, 2016.

<sup>3</sup> Puerto Rico 1-Hour SO<sub>2</sub> Designation Modeling Protocol. Environmental Quality Board. Air Quality Area. July, 2016.



The PREPA emission report presents the annual SO<sub>2</sub> actual emissions for the emission points of PREPA facility. For a complete information about the emission inventory, please refer to the modeling protocol document. A copy of the emission inventory table is in Appendix A.

### Background Concentration

For the 1- hour SO<sub>2</sub> background concentration, EQB used the less conservative “first tier” approach recommended in the SO<sub>2</sub>TAD of the 1- hour SO<sub>2</sub> background concentration based on the monitored design value for the most recent 3-year period, regardless of the years of meteorological data used in the modeling. EQB have SO<sub>2</sub> air quality monitors in the vicinity of San Juan area, but are source oriented, for that reason they are not representative of the nearby sources impacts.

EQB determined more adequate use a regional site monitor that is impacted by similar natural and distant man-made sources. EQB selected the data from the Guayama SO<sub>2</sub> monitor to be used as background concentration for San Juan area. This background concentration is from the years 2010-2012 and also will be used in Guayama-Salinas and Guayanilla area. The concentration background is the most recent 3-year period design value for 1- hour SO<sub>2</sub> and the value is 58 µg/m<sup>3</sup> (22 ppb).

This background concentration will be used in Guayanilla because EQB does not have a SO<sub>2</sub> monitor in this municipality and the most representative air quality monitor for the area is the Guayama monitor. This background concentration is not source oriented and is impacted by similar natural and distant man-made sources. The concentration background data is in Appendix B.

### Model

The model used for the SO<sub>2</sub> designation modeling is AERMOD. This model is the preferred recommended by EPA for air quality modeling studies. The version used is the most recent or 15181. The default options will be selected for each run. The urban option will be used in San Juan because the facilities are in an urban environment.

The input data for PREPA emission points is for the EQB emission inventory and the SO<sub>2</sub> actual emissions is from the PREPA annual emission reports. The emission sources inside the facilities are point sources (boilers and gas turbines) and actual stack height data will be used. The parameters for each emission point source and their coordinates were from the information provided by the facilities in their construction permits.

The AERMOD model output options MAXDAILY, MAXDCONT and MXDYBYR output options will be selected to calculate the model 1-hour SO<sub>2</sub> design value. Background concentration<sup>4</sup> will be added to the 1-hour SO<sub>2</sub> model design value for the comparison with the NAAQS.

### Meteorology

The SO2TAD recommends the most recent three years of meteorological data for the designation modeling, to allow the modeling to simulate a monitor. The SO2TAD also recommends that the meteorological data will be concurrent with the years of the actual SO<sub>2</sub> emissions used in the designation modeling. EQB will use three years of site-specific data, in the three areas of the designation modeling.

The three years of meteorological data are not concurrent with the three years of SO<sub>2</sub> actual emissions data, but EQB addressed this using the recommendation in the Section 7.4 Use of Older Meteorological Data<sup>5</sup> of the SO2TAD. The three years data periods were manually changed (change of the year on AERMET output files) as if these were the 2013 to 2015 data period.

The meteorology for the San Juan model is from the years 2007-2009, in Guayama-Salinas the meteorological data is from 2001-2003 and in Guayanilla is from 1991-1993. All this data was collected on-site. Full meteorological reports with the methodology used to process the data are available in the modeling protocol document<sup>6</sup>.

### Receptors

Two receptor grids were used in each run of the 1-hour SO<sub>2</sub> designation model. The receptor grids considered populated areas and places where is feasible to place an air quality monitor. Discrete receptors across the facility fenceline were used in all modeling cases.

The first receptor grid is a 250 meters of space to determine the facility maximum impact radius. This is an exclusionary grid used to determine where is the SO<sub>2</sub> maximum impact. A refined grid of 50 meter of space was used in the area of maximum impact concentrations, to determine compliance with the 1- hour SO<sub>2</sub> NAAQS. Discrete receptors were placed at the facility fenceline in all modeling runs. For complete information about the receptor grids, please refer to the modeling protocol document.

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<sup>4</sup> See Air Quality Monitoring Design Value Report in Appendix B.

<sup>5</sup> Section 7.4: Use of Older Meteorological Data. SO<sub>2</sub> NAAQS Designations Modeling Technical Assistance Document, USEPA. August, 2016.

<sup>6</sup> Puerto Rico 1-Hour SO<sub>2</sub> Designation Modeling Protocol. Environmental Quality Board. Air Quality Area. July, 2016.

## Model Results

The model results for the four emission sources in the modeling study are presented below. The 1-hour SO<sub>2</sub> NAAQS is represented by the model design value, which is calculated using the three years average of the 4<sup>th</sup> highest of the daily maximum. EQB used the following methodology to determine the SO<sub>2</sub> design value for each emission source in the study.

Separate modeling runs for each facility by year of meteorological and actual emissions data were performed to determine the SO<sub>2</sub> 4<sup>th</sup> highest of the daily maximum by year. The modeling runs for each facility have the same receptor network and emission point parameters data, the only data that changes in each run is the SO<sub>2</sub> actual emissions and the concurrent meteorological data.

For each modeling run, the 4<sup>th</sup> highest value was determined using the MAXDAILY file. The SO<sub>2</sub> design value for each facility in the study is the three years average of the 4<sup>th</sup> highest. The SO<sub>2</sub> background concentration was added to this design value.

EQB used separate model runs because the receptor networks are extensive and this complicate the evaluation of the output files. The MAXDCONT file was used to determine the contribution of each facility emission point to the design value. Modeling runs output files are in the Appendix C and electronic copies of the MAXDAILY, MAXDCONT and MXDYBYR files will be provided. The SO<sub>2</sub> designation modeling results are presented below.

### A. PREPA San Juan

The model results for PREPA San Juan are presented in the next tables. The 1-hour SO<sub>2</sub> design value is above the NAAQS of 75 ppb or 196 µg/m<sup>3</sup>. The maximum results impact area is approximately 3.6 km radius. The 4<sup>th</sup> highest for each modeling run, plus the background concentration and the SO<sub>2</sub> design value for PREPA San Juan are presented in Table 1. The Table 2 presents the modeling results by emission point or MAXDCONT output file data.

Table 1: PREPA San Juan 1-Hour SO<sub>2</sub> Modeling Results

Year	Coordinates (m)		SO <sub>2</sub> Concentrations µg/m <sup>3</sup>			
	East	North	4 <sup>th</sup> Highest Model Result	Background Concentration	Total Concentration	1-Hour SO <sub>2</sub> Design Value
2013	805450	2039622	258	58	316	343
2014	805550	2038922	267		325	
2015	805550	2038922	329		387	

Table 2: PREPA San Juan 1-Hour SO<sub>2</sub> Modeling Results by Emission Point

Year	4 <sup>th</sup> Highest SO <sub>2</sub> Model Concentrations µg/m <sup>3</sup>						
	SJ5/6	Boiler7	Boiler8	Boiler 9	Boiler10	Background Concentration	Total Concentration
2013	0.89787	64.81184	52.32642	66.97350	72.74486	58	315.75449
2014	0.21331	88.40702	108.53339	53.99018	15.75475		324.89865
2015	0.33223	99.65805	82.97753	144.13036	2.33466		387.43283

The modeling scenario with the highest SO<sub>2</sub> concentrations was 2015 and therefore have the maximum impact area with a radius of 4.1 km. The maximum impact area for 2013 and 2014 was approximately 3.4 km radius. The Figures 1-3 showed the modeling results isopleths and the 1-hour SO<sub>2</sub> 4<sup>th</sup> highest concentration by year of data.

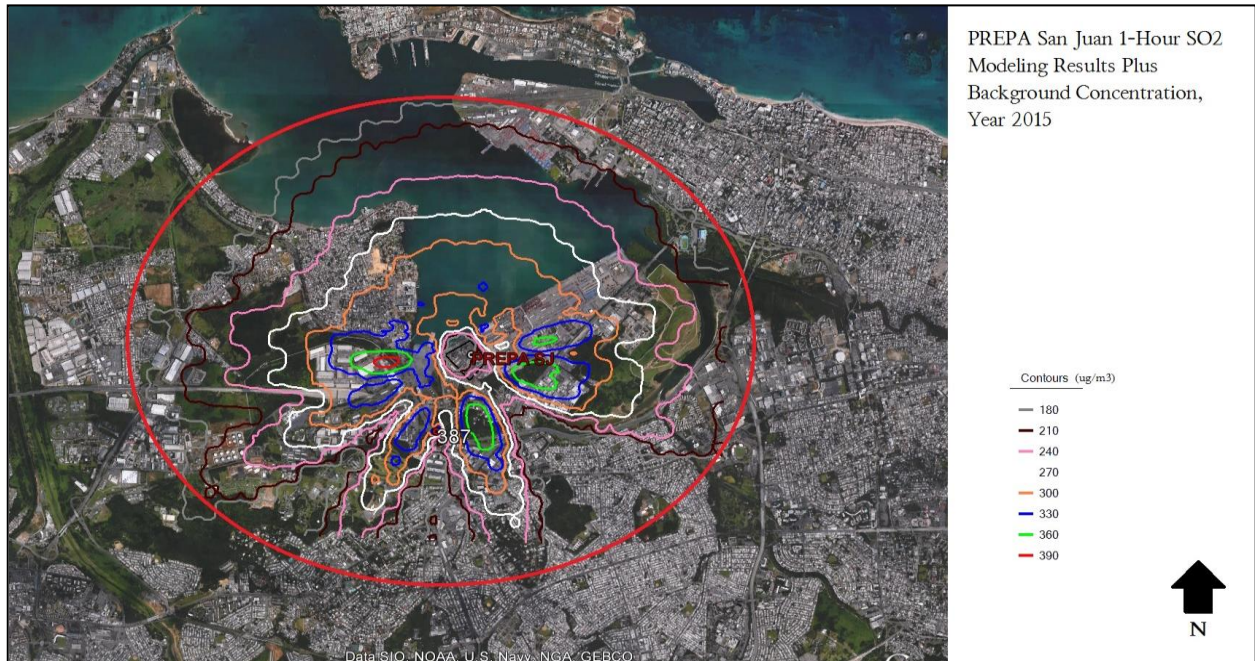
Figure 1: PREPA San Juan 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2013



Figure 2: PREPA San Juan 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2014



Figure 3: PREPA San Juan 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2015



B. PREPA Palo Seco

The model results for PREPA Palo Seco are presented in the following tables. The 1-hour SO<sub>2</sub> design value is above the NAAQS of 75 ppb or 196 µg/m<sup>3</sup>. The maximum results impact area is approximately 2.7 km radius. The 4<sup>th</sup> highest for each modeling run, plus the background concentration and the 1-hour SO<sub>2</sub> design value for PREPA San Juan are presented in Table 3. The Table 4 presents the modeling results by emission point or the MAXDCONT output file data.

Table 3: PREPA Palo Seco 1-Hour SO<sub>2</sub> Modeling Results

Year	Coordinates (m)		SO <sub>2</sub> Concentrations µg/m <sup>3</sup>			
	East	North	4 <sup>th</sup> Highest Model Result	Background Concentration	Total Concentration	1-Hour SO <sub>2</sub> Design Value
2013	800700	2043072	205	58	263	207
2014	800700	2043072	114		172	
2015	801550	2042022	127		185	

The SO<sub>2</sub> modeling results for 2013 data are over de 1-hour SO<sub>2</sub> NAAQS, the other years are below the standard. The three years average of the 4<sup>th</sup> highest is above the 1-hour SO<sub>2</sub> NAAQS. The next table presents the modeling results by the emission points of PREPA Palo Seco.

Table 4: PREPA Palo Seco 1-Hour SO<sub>2</sub> Modeling Results by Emission Point

Year	4 <sup>th</sup> Highest SO <sub>2</sub> Model Concentrations µg/m <sup>3</sup>							Background Concentration	Total Concentration
	PS1	PS2	PS3	PS4	GT1	GT2	GT3		
2013	38.50191	32.42061	29.33763	104.71084	0.00286	0.00532	0.00407	58	262.98324
2014	30.88408	34.61644	0.000	48.33751	0.03621	0.07657	0.07159		172.0224
2015	43.25716	47.47828	27.54117	8.59734	0.00056	0.09414	0.07945		185.0481

The modeling results for year 2013 were the highest and the maximum impact area have approximately 2.7 km radius. The modeling results for 2014 and 2015 were below the 1-hour SO<sub>2</sub> NAAQS. Figures 4-6 showed the modeling results isopleths and the 1-hour SO<sub>2</sub> 4<sup>th</sup> highest concentration by year of data.

Figure 4: PREPA Palo Seco 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2013



Figure 5: PREPA Palo Seco 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2014



Figure 6: PREPA Palo Seco 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2015



### C. PREPA Aguirre

The following tables presents the model results for PREPA Aguirre. The 1-hour SO<sub>2</sub> design value is above the NAAQS of 75 ppb or 196 µg/m<sup>3</sup>. The 4<sup>th</sup> highest for each modeling run, plus the background concentration and the SO<sub>2</sub> design value for PREPA Aguirre are presented in Table 5. The Table 6 presents the modeling results by emission point or MAXDCONT output file data.

Table 5: PREPA Aguirre 1-Hour SO<sub>2</sub> Modeling Results

Year	Coordinates (m)		SO <sub>2</sub> Concentrations µg/m <sup>3</sup>			
	East	North	4 <sup>th</sup> Highest Model Result	Background Concentration	Total Concentration	1-Hour SO <sub>2</sub> Design Value
2013	792100	1988250	178	58	236	232
2014	790750	1988000	168		226	
2015	791500	1986500	175		233	

The SO<sub>2</sub> modeling results for PREPA Aguirre are over de 1-hour SO<sub>2</sub> NAAQS. The three years average of the 4<sup>th</sup> highest is 232 ug/m<sup>3</sup> and is above the 1-hour SO<sub>2</sub> NAAQS. The next table presents the modeling results by each emission point of PREPA Aguirre.



Table 6: PREPA Aguirre 1-Hour SO<sub>2</sub> Modeling Results by Emission Point

Year	4 <sup>th</sup> Highest SO <sub>2</sub> Model Concentrations µg/m <sup>3</sup>						
	AG1	AG2	CC1	CC2	AGGT	Background Concentration	Total Concentration
2013	92.42972	85.24826	0.08780	0.21629	0.00038	58	235.98245
2014	60.94587	106.07054	0.25548	0.35438	0.00489		225.63116
2015	81.81814	91.93863	0.76722	0.49448	0.02302		233.04149

The modeling results for year 2013 were the highest and the maximum impact area extends approximately 5.4 km from the source. The modeling results for 2014 and 2015 were also above the 1-hour SO<sub>2</sub> NAAQS and the maximum impact areas extends from the source, 5 and 4.7 km, respectively. Figures 7-9 showed the modeling results isopleths and the 1-hour SO<sub>2</sub> 4<sup>th</sup> highest concentration by year of data.

Figure 7: PREPA Aguirre 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2013



Figure 8: PREPA Aguirre 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2014

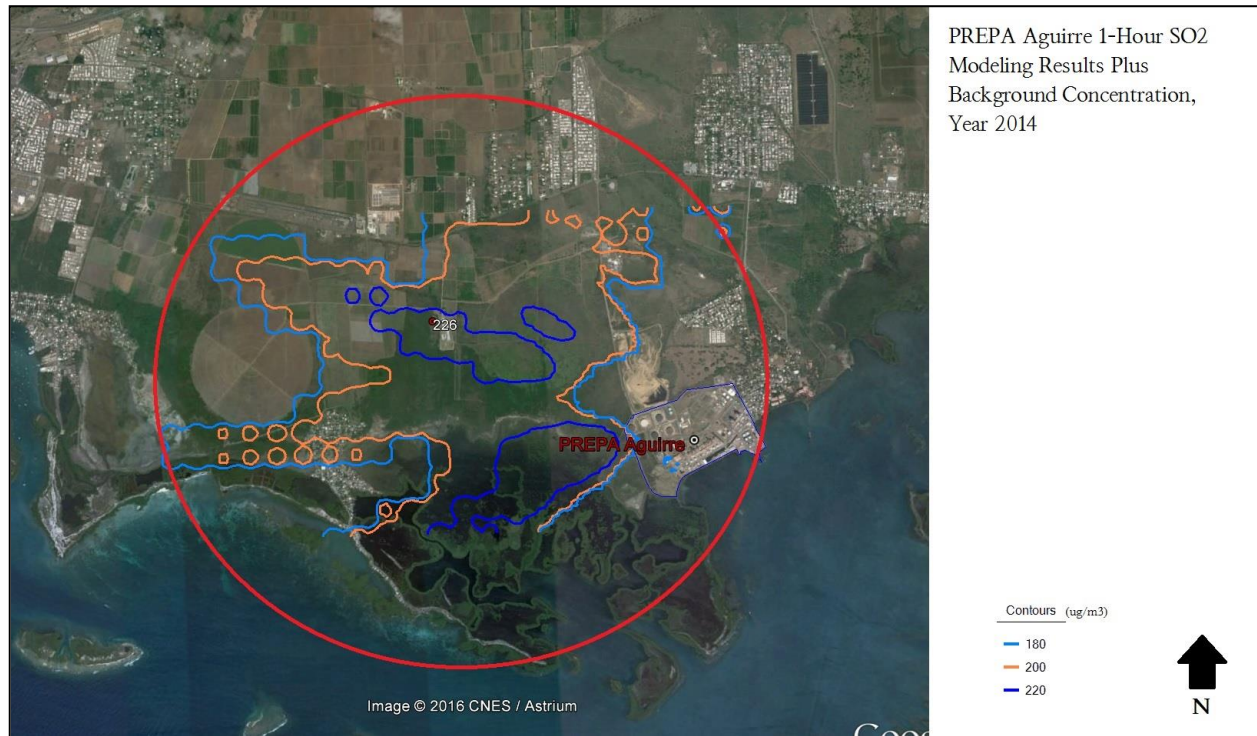
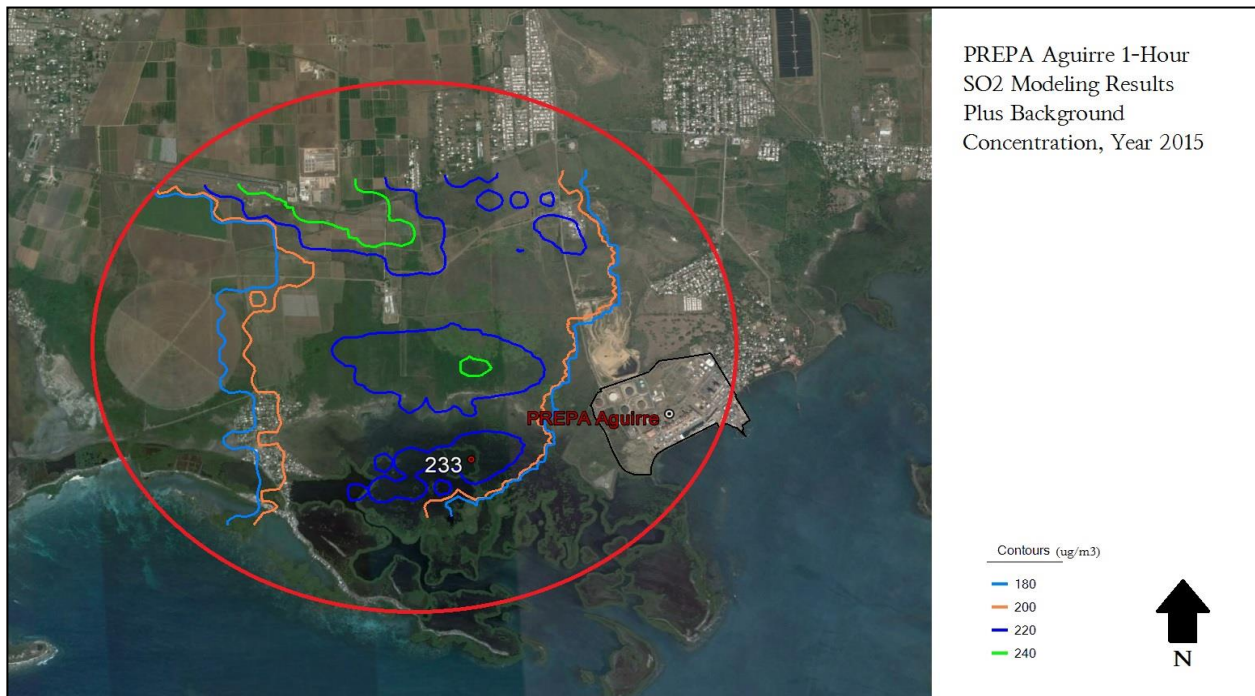


Figure 9: PREPA Aguirre 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2015



D. PREPA Costa Sur

The following tables presents the model results for PREPA Costa Sur. The 1-hour SO<sub>2</sub> design value is above the NAAQS of 75 ppb or 196 µg/m<sup>3</sup>. The 4<sup>th</sup> highest for each modeling run, plus the background concentration and the SO<sub>2</sub> design value for PREPA Costa Sur are presented in Table 7. The Table 8 presents the modeling results by emission point or MAXDCONT output file data.

Table 7: PREPA Costa Sur 1-Hour SO<sub>2</sub> Modeling Results

Year	Coordinates (m)		SO <sub>2</sub> Concentrations µg/m <sup>3</sup>			
	East	North	4 <sup>th</sup> Highest Model Result	Background Concentration	Total Concentration	1-Hour SO <sub>2</sub> Design Value
2013	738250	1994900	945	58	1003	1046
2014	735250	1994800	979		1037	
2015	737400	1995750	1040		1098	

The SO<sub>2</sub> modeling results for PREPA Costa Sur are over de 1-hour SO<sub>2</sub> NAAQS. The three years average of the 4<sup>th</sup> highest is 1046 µg/m<sup>3</sup> and is above the 1-hour SO<sub>2</sub> NAAQS. The next table presents the modeling results by emission point of PREPA Costa Sur.

Table 8: PREPA Costa Sur 1-Hour SO<sub>2</sub> Modeling Results by Emission Point

Year	4 <sup>th</sup> Highest SO <sub>2</sub> Model Concentrations µg/m <sup>3</sup>						Background Concentration	Total Concentration
	SC3	SC4	SC5	SC6	PB1			
2013	3.74367	0.99801	303.53343	636.15715	0.10537	58	1002.53763	
2014	0.0	0.0	515.76028	463.07010	0.00757		1036.83795	
2015	17.03536	1.70005	511.64441	509.33306	0.00074		1097.71362	

The modeling results for year 2015 were the highest and the maximum impact area extends approximately 7 km from the source. The modeling results for 2014 and 2015 were also above the 1-hour SO<sub>2</sub> NAAQS and the maximum impact areas extension from the source were also 7 km. Figures 10-12 showed the modeling results isopleths and the 1-hour SO<sub>2</sub> 4<sup>th</sup> highest concentration by year of data.

Figure 10: PREPA Costa Sur 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2013

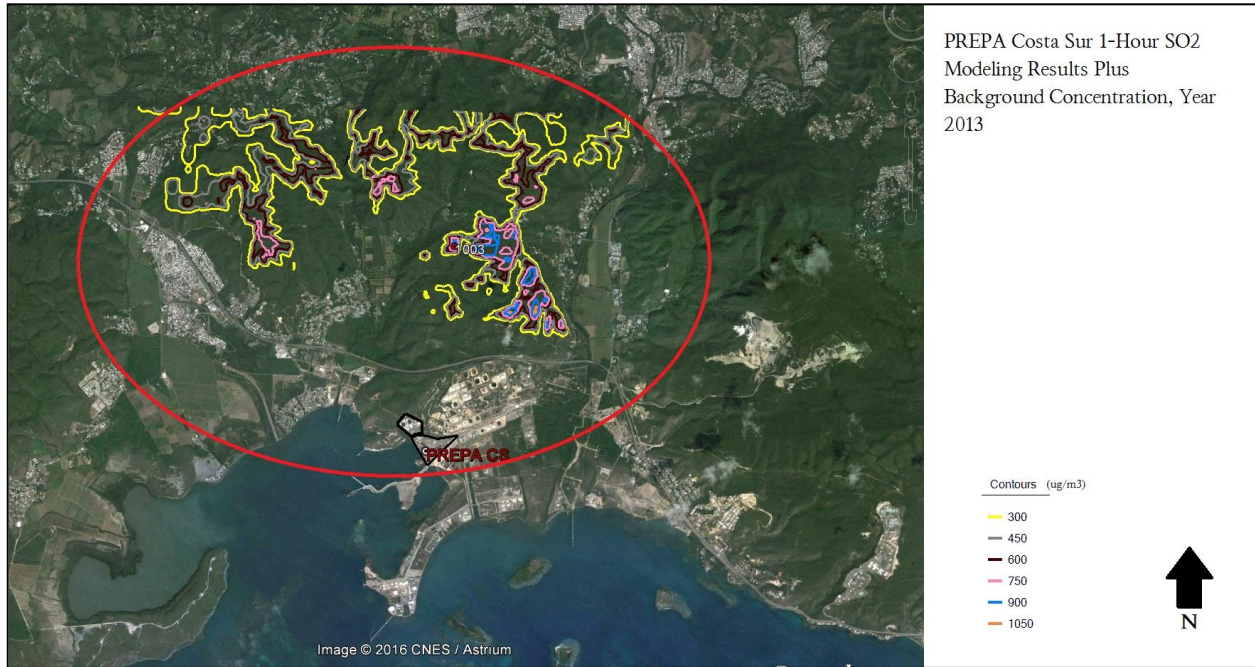


Figure 11: PREPA Costa Sur 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2014

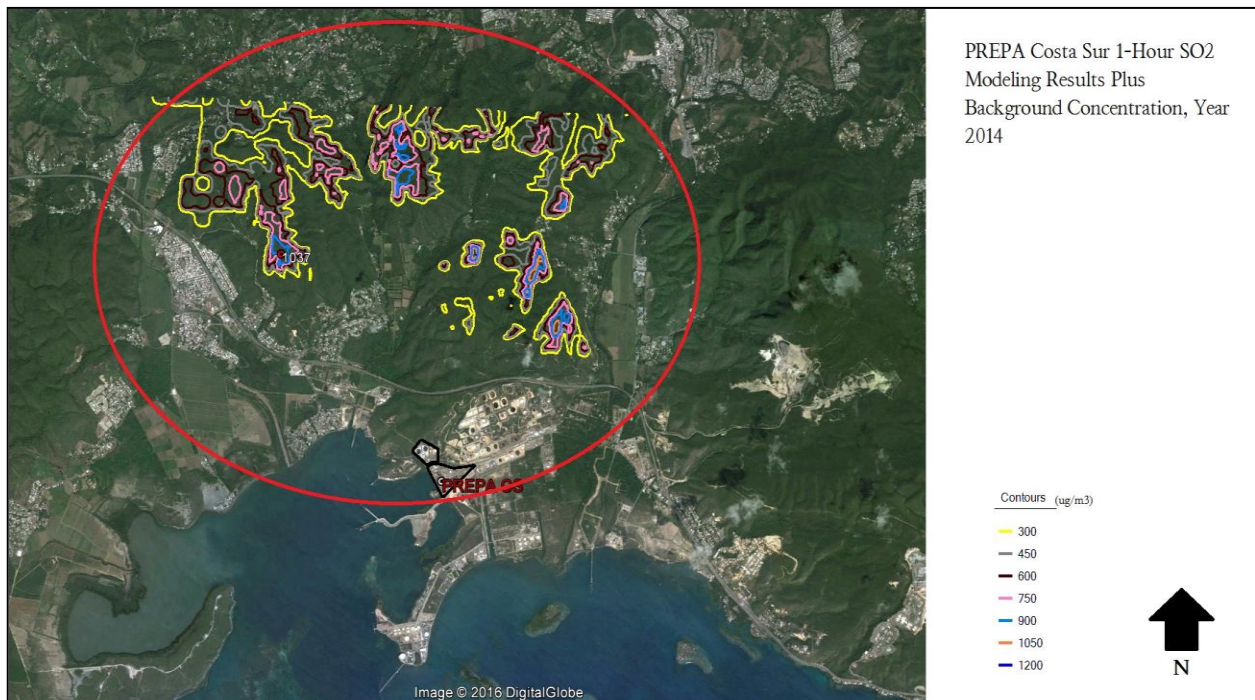
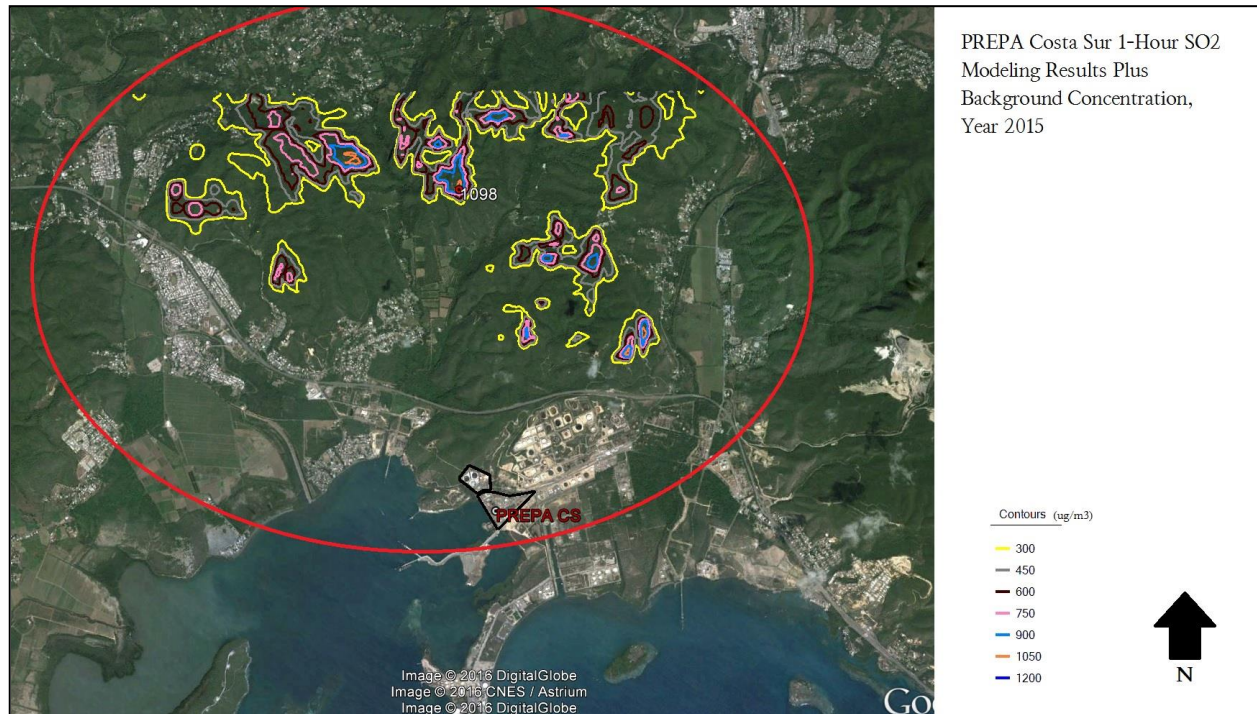


Figure 12: PREPA Costa Sur 1-Hour SO<sub>2</sub> Modeling Results Plus Background Concentration, Year 2015



### Conclusion

According to the modeling results, the SO<sub>2</sub> emissions of the four facilities in the study do not comply with the 1-hour SO<sub>2</sub> NAAQS of 196 µg/m<sup>3</sup>. The facility with the highest results was PREPA Costa Sur in Guayanilla, with the 1-hour SO<sub>2</sub> design value of 1046 µg/m<sup>3</sup>. The facility with the lowest results was PREPA Palo Seco in San Juan area, with the 1-hour SO<sub>2</sub> design value of 207 µg/m<sup>3</sup>. The model concentration results in all the areas under the study are above the 1-hour SO<sub>2</sub> NAAQS of 196 µg/m<sup>3</sup>.

I. APPENDIX A: Emission Inventory for the 1-Hour SO<sub>2</sub> Designation Model

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

Emission Inventory for the 1-Hour SO<sub>2</sub> Designation Model

PUERTO RICO SO <sub>2</sub> DESIGNATION EMISSION INVENTORY															
PREPA Palo Seco															
Emission Unit	Address Physical/Postal	Municipality	SCC	Model Point ID	UTM		Control Equipment	Control Efficiency %	Actual Emissions (ton/yr)			Stack Height (m)	Stack Diameter (m)	Stack Exit Velocity (m/s)	Stack Temperature (K)
					East	North			2013	2014	2015				
HRSG 386			2-01-001-01	S96	809942	2040125			360.46	250.2	352.31	85.6	5	29.2	422
Boiler 7	Merced Central Ave. Zone		1-01-004-04	BOILER7	809971	2040146			1188.6	1446.8	1487.10	53.5	1.8	28.028	408.15
Boiler 8	Central Ave PR-28 San Juan	San Juan	1-01-004-04	BOILER8	809991	2040156	n/a	n/a	928.6	1657	1199.80	53.5	1.8	28.028	408.15
Boiler 9	PR PO Box 364267 San Juan, PR 00936-4267		1-01-004-04	BOILER9	809832	2040063			1399.8	1333.78	2971.20	55.2	1.8	29.46	408.15
Boiler 10			1-01-004-04	BOILER10	809813	2040043			1490.2	448	5340	55.2	1.8	29.46	408.15
Total									5907.66	5135.78	6063.91				
PREPA Costa Sur															
Emission Unit	Address Physical/Postal	Municipality	SCC	Model Point ID	UTM		Control Equipment	Control Efficiency %	Actual Emissions (ton/yr)			Stack Height (m)	Stack Diameter (m)	Stack Exit Velocity (m/s)	Stack Temperature (K)
					East	North			2013	2014	2015				
Boiler AG1			1-01-004-04	AG1	793522	1987168			4992	3353	4472.33	75.9	2.5	38.6	422
Boiler AG2			1-01-004-04	AG2	794773	1987108			4623	3865	5025.10	75.9	2.5	38.6	422
Gas Turbines CCI-1 to CCI-4	Road RR-3, Km 152.3, Salinas PO Box 347267 San Juan, PR 00936-4267	Salinas	2-01-001-01	CCI	793335	1986905	n/a	n/a	641	165	505	17.8	2.4	69.3	491
Gas Turbines CCI-1 to CCI-4			2-01-001-01	CCI	793106	1986822			1951	263	354	17.8	2.4	69.3	491
AGCT 2-1, 2-2			2-01-001-01	AGCT	793381	1987277			0.01	0.34	1.89	12.2	2.9	40.9	777
Total									9640.951	9261.154	9585.22				
PREPA Aguirre															
Emission Unit	Address Physical/Postal	Municipality	SCC	Model Point ID	UTM		Control Equipment	Control Efficiency %	Actual Emissions (ton/yr)			Stack Height (m)	Stack Diameter (m)	Stack Exit Velocity (m/s)	Stack Temperature (K)
					East	North			2013	2014	2015				
Palo Seco 1			1-01-004-04	P51	801146	2043049			1023.90	809.45	1012.66	53.5	2.5	27.46	430
Palo Seco 2			1-01-004-04	P52	801116	2043049			854.10	889.15	1127.35	53.5	2.5	27.46	430
Palo Seco 3	Road 165 Km 3.8, San Juan		1-01-004-04	P53	801096	2043049			811.80	0.00	629.08	64.3	2.4	26.6	420
Palo Seco 4	Box 364267 San Juan, PR 00936-4267	San Juan	1-01-004-04	P54	801036	2043049	n/a	n/a	3000.00	1488.80	2031.8	64.3	2.4	26.6	420
Power Block 1			2-01-001-01	PGT11	801017	2042988			0.19	1.90	0.02	12	2.9	19.19	783
Power Block 2			2-01-001-01	PGT12	801087	2042988			0.38	4.32	3.48	12	2.9	19.19	783
Power Block 3			2-01-001-01	PGT13	801067	2042988			0.31	4.40	3.08	12	2.9	19.19	783
Total									5700.68	3128.02	2979.36				

II. APPENDIX B: Air Quality Monitoring Background Concentration Data for the 1-hour SO<sub>2</sub>  
Designation Model



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

Guayama Station, 2012 Background Concentration Data

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY												
AIR QUALITY SYSTEM												
PRELIMINARY DESIGN VALUE REPORT												
Report Date: Feb. 10, 2016												
<b>Pollutant:</b> Sulfur dioxide(42401)			<b>Design Value Year:</b> 2012			<b>REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.</b>						
<b>Standard Units:</b> Parts per billion(008)												
<b>NAAQS Standard:</b> SO2 1-hour 2010												
<b>Statistic:</b> Annual 99th Percentile			<b>Level:</b> 75		<b>State Name:</b> Puerto Rico							
Site ID	STREET ADDRESS	2012			2011			2010			3-Year Design Valid Value Ind.	
		Comp. 99th Qtrts Percentile	Certe Eval	Comp. 99th Qtrts Percentile	Certe Eval	Comp. 99th Qtrts Percentile	Certe Eval	Comp. 99th Qtrts Percentile	Certe Eval			
72-057-0009	ESTR LOCALIZADA EN EL ESTRAC	3	7 * Y	4	6	4	52	22	N			

**Notes:**

1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk (\*\*).

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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III. APPENDIX C: AERMOD Model Output Files

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA San Juan 2013**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*  
06/07/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 5 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 434374.0 ; 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. Half-life of 4 hrs for URBAN SO<sub>2</sub>.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO<sub>2</sub>

\*\*Note that special processing requirements apply for the 1-hour SO<sub>2</sub> NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

## Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board 1-Hour SO<sub>2</sub> Designation Modeling Results

---

\*\*This Run Includes: 5 Source(s); 7 Source Group(s); and 2910 Receptor(s)

with: 5 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 455.7 MB of RAM.

\*\*Input Runstream File: SanJuanPREPA2013SO2Emissions\_2013\_SO2.DTA

\*\*Output Print File: SanJuanPREPA2013SO2Emissions\_2013\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
DocumentsINFORMES\SO2Designation2016withactualemi2013to2015\SanJuan\2

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*  
06/07/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 09:51:48  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 11111

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

Surface file: sju13.sfc Met Version: 15181  
Profile file: sju13.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2013 Year: 2013

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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

```

-----
13 01 01 1 01 -53.4 0.518 -9.000 -9.000 -999. 895. 236.4 0.10 0.42 1.00 6.24 82. 10.0 297.0 2.0
13 01 01 1 02 -42.4 0.413 -9.000 -9.000 -999. 646. 150.8 0.10 0.42 1.00 5.10 86. 10.0 298.1 2.0
13 01 01 1 03 -34.3 0.333 -9.000 -9.000 -999. 465. 97.5 0.10 0.42 1.00 4.26 95. 10.0 297.0 2.0
13 01 01 1 04 -16.3 0.158 -9.000 -9.000 -999. 178. 21.9 0.48 0.42 1.00 2.10 123. 10.0 297.0 2.0
13 01 01 1 05 -31.9 0.310 -9.000 -9.000 -999. 414. 84.7 0.10 0.42 1.00 4.03 85. 10.0 297.0 2.0
13 01 01 1 06 -33.3 0.322 -9.000 -9.000 -999. 439. 91.0 0.48 0.42 1.00 2.89 109. 10.0 295.9 2.0
13 01 01 1 07 -49.1 0.474 -9.000 -9.000 -999. 782. 197.0 0.48 0.42 1.00 3.90 107. 10.0 295.9 2.0
13 01 01 1 08 -2.5 0.484 -9.000 -9.000 -999. 807. 4075.0 0.48 0.42 0.45 3.69 99. 10.0 295.9 2.0
13 01 01 1 09 32.5 0.391 0.561 0.005 197. 593. -167.1 0.10 0.42 0.23 4.32 92. 10.0 297.0 2.0
13 01 01 1 10 62.5 0.691 0.896 0.006 419. 1379. -480.8 0.10 0.42 0.17 7.83 58. 10.0 295.9 2.0
13 01 01 1 11 85.4 0.552 1.122 0.005 603. 1006. -179.0 0.10 0.42 0.15 6.11 59. 10.0 297.0 2.0
13 01 01 1 12 100.2 0.537 1.283 0.005 769. 947. -140.9 0.10 0.42 0.15 5.90 58. 10.0 300.4 2.0
13 01 01 1 13 104.4 0.724 1.374 0.006 905. 1477. -330.5 0.10 0.42 0.14 8.15 81. 10.0 300.4 2.0
13 01 01 1 14 122.5 0.753 1.517 0.006 1038. 1566. -316.9 0.10 0.42 0.15 8.47 77. 10.0 300.4 2.0
13 01 01 1 15 104.2 0.747 1.483 0.006 1140. 1549. -362.9 0.10 0.42 0.15 8.42 75. 10.0 300.4 2.0
13 01 01 1 16 74.6 0.674 1.353 0.005 1207. 1337. -372.0 0.10 0.42 0.17 7.60 73. 10.0 300.4 2.0
13 01 01 1 17 35.4 0.637 1.064 0.005 1238. 1224. -663.6 0.10 0.42 0.24 7.25 82. 10.0 300.4 2.0
13 01 01 1 18 -24.5 0.496 -9.000 -9.000 -999. 859. 452.8 0.10 0.42 0.49 5.85 82. 10.0 299.2 2.0
13 01 01 1 19 -44.7 0.435 -9.000 -9.000 -999. 694. 167.6 0.10 0.42 1.00 5.34 85. 10.0 298.1 2.0
13 01 01 1 20 -27.8 0.271 -9.000 -9.000 -999. 359. 64.7 0.10 0.42 1.00 3.64 92. 10.0 298.1 2.0
13 01 01 1 21 -40.7 0.396 -9.000 -9.000 -999. 598. 138.7 0.10 0.42 1.00 4.92 81. 10.0 298.1 2.0
13 01 01 1 22 -45.3 0.440 -9.000 -9.000 -999. 700. 171.2 0.10 0.42 1.00 5.39 79. 10.0 298.1 2.0
13 01 01 1 23 -33.3 0.324 -9.000 -9.000 -999. 452. 92.9 0.10 0.42 1.00 4.17 87. 10.0 298.1 2.0
13 01 01 1 24 -25.6 0.249 -9.000 -9.000 -999. 302. 55.0 0.10 0.42 1.00 3.44 92. 10.0 298.1 2.0
  
```

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 13 01 01 01 10.0 1 82. 6.24 297.1 99.0 -99.00 -99.00

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

```

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

---

ALL 1ST HIGHEST VALUE IS 284.91390 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 277.52341 AT ( 806150.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 272.87303 AT ( 806150.00, 2040172.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 271.91699 AT ( 806200.00, 2040172.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 267.99440 AT ( 806100.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 260.12103 AT ( 805500.00, 2038922.00, 85.28, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 257.75450 AT ( 805450.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 256.91577 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 256.24072 AT ( 806200.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 254.56215 AT ( 805400.00, 2039622.00, 3.00, 98.00, 0.00) DC

PREPASJ 1ST HIGHEST VALUE IS 284.91390 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 277.52341 AT ( 806150.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 272.87303 AT ( 806150.00, 2040172.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 271.91699 AT ( 806200.00, 2040172.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 267.99440 AT ( 806100.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 260.12103 AT ( 805500.00, 2038922.00, 85.28, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 257.75450 AT ( 805450.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 256.91577 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 256.24072 AT ( 806200.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 254.56215 AT ( 805400.00, 2039622.00, 3.00, 98.00, 0.00) DC

SJ56 1ST HIGHEST VALUE IS 4.73882 AT ( 809050.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 4.68903 AT ( 809050.00, 2040522.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 4.67198 AT ( 808800.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 4.58380 AT ( 808800.00, 2040522.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 4.56841 AT ( 802050.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 4.56271 AT ( 802300.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.52500 AT ( 802300.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 4.51960 AT ( 802550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 4.51407 AT ( 801800.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 4.50644 AT ( 802050.00, 2039522.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

BOILER7 1ST HIGHEST VALUE IS 85.12865 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 81.45078 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 3RD HIGHEST VALUE IS 80.57795 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 80.10480 AT ( 805500.00, 2038922.00, 85.28, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 79.54601 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 78.39898 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 77.39897 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 77.11000 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 9TH HIGHEST VALUE IS 76.98971 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 76.90887 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*  
 06/07/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 69.48174 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 64.73751 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 63.53828 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 62.84548 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 5TH HIGHEST VALUE IS 60.87651 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 60.76351 AT ( 805500.00, 2038922.00, 85.28, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 60.74901 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 59.90996 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 9TH HIGHEST VALUE IS 59.64436 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 59.62061 AT ( 806050.00, 2040072.00, 3.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 83.46715 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 82.02912 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 81.55011 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 81.11922 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

5TH HIGHEST VALUE IS 80.86593 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 80.86593 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 80.32725 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 79.87567 AT ( 806200.00, 2040172.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 79.66968 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 79.32228 AT ( 806150.00, 2040122.00, 3.00, 3.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 91.93693 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 91.63894 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 91.32355 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 91.32355 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 91.18598 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 90.33549 AT ( 806200.00, 2040172.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 89.59801 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 88.43002 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 87.94781 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 87.93023 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*

06/07/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 242.79521 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 2ND HIGHEST VALUE IS 242.67031 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 241.94003 AT ( 805350.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 241.34079 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 241.32704 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 239.83948 AT ( 805350.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 239.51565 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 239.03650 AT ( 805300.00, 2039872.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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9TH HIGHEST VALUE IS	238.75361 AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00) DC
10TH HIGHEST VALUE IS	238.08695 AT ( 805400.00, 2039672.00,	3.00,	98.00,	0.00) DC
PREPASJ 1ST HIGHEST VALUE IS	242.79521 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
2ND HIGHEST VALUE IS	242.67031 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
3RD HIGHEST VALUE IS	241.94003 AT ( 805350.00, 2039672.00,	3.00,	98.00,	0.00) DC
4TH HIGHEST VALUE IS	241.34079 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	241.32704 AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00) DC
6TH HIGHEST VALUE IS	239.83948 AT ( 805350.00, 2039572.00,	3.00,	98.00,	0.00) DC
7TH HIGHEST VALUE IS	239.51565 AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00) DC
8TH HIGHEST VALUE IS	239.03650 AT ( 805300.00, 2039872.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	238.75361 AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00) DC
10TH HIGHEST VALUE IS	238.08695 AT ( 805400.00, 2039672.00,	3.00,	98.00,	0.00) DC
SJ56 1ST HIGHEST VALUE IS	4.54648 AT ( 809050.00, 2039522.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	4.51549 AT ( 808800.00, 2039522.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	4.40435 AT ( 802550.00, 2039522.00,	0.00,	0.00,	0.00) DC
4TH HIGHEST VALUE IS	4.37952 AT ( 808550.00, 2039522.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	4.35750 AT ( 802050.00, 2040272.00,	0.00,	0.00,	0.00) DC
6TH HIGHEST VALUE IS	4.35327 AT ( 802300.00, 2039522.00,	1.99,	1.99,	0.00) DC
7TH HIGHEST VALUE IS	4.34317 AT ( 802300.00, 2040272.00,	0.00,	0.00,	0.00) DC
8TH HIGHEST VALUE IS	4.33454 AT ( 801800.00, 2040272.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	4.31177 AT ( 802550.00, 2039772.00,	0.00,	0.00,	0.00) DC
10TH HIGHEST VALUE IS	4.30813 AT ( 802800.00, 2039772.00,	0.00,	0.00,	0.00) DC
BOILER7 1ST HIGHEST VALUE IS	82.76723 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
2ND HIGHEST VALUE IS	79.57160 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	78.17782 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
4TH HIGHEST VALUE IS	76.51241 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	75.76750 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
6TH HIGHEST VALUE IS	73.90779 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC
7TH HIGHEST VALUE IS	73.43468 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	72.59316 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
9TH HIGHEST VALUE IS	72.28649 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	71.69500 AT ( 805400.00, 2039872.00,	3.00,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*

06/07/16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO<sub>2</sub> IN MICROGRAMS/M\*\*3 \*\*

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

BOILER8 1ST HIGHEST VALUE IS 65.26558 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 62.55808 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 61.14836 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 60.33250 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 59.83959 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 59.28773 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 58.29900 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 57.82739 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 56.89061 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 54.95339 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 80.69725 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 80.18055 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 80.18055 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 79.29308 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 78.21552 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 77.82494 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 76.34105 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 75.80287 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 75.41994 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 74.88932 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 90.12932 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 90.12932 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 89.12068 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 88.14587 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 87.42037 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 85.96998 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 85.25271 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 84.10833 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 83.50298 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 83.49193 AT ( 805600.00, 2040022.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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ALL	1ST HIGHEST VALUE IS	241.54444	AT ( 805350.00, 2039672.00,	3.00,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	239.10020	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	238.54705	AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00)	DC
	4TH HIGHEST VALUE IS	238.38608	AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	237.56726	AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	237.35777	AT ( 805400.00, 2039672.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	237.11329	AT ( 805400.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	236.78115	AT ( 805350.00, 2039572.00,	3.00,	98.00,	0.00)	DC
	9TH HIGHEST VALUE IS	235.64146	AT ( 805300.00, 2039722.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	235.40858	AT ( 805450.00, 2039472.00,	2.99,	98.00,	0.00)	DC

PREPASJ	1ST HIGHEST VALUE IS	241.54444	AT ( 805350.00, 2039672.00,	3.00,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	239.10020	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	238.54705	AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00)	DC
	4TH HIGHEST VALUE IS	238.38608	AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	237.56726	AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	237.35777	AT ( 805400.00, 2039672.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	237.11329	AT ( 805400.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	236.78115	AT ( 805350.00, 2039572.00,	3.00,	98.00,	0.00)	DC
	9TH HIGHEST VALUE IS	235.64146	AT ( 805300.00, 2039722.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	235.40858	AT ( 805450.00, 2039472.00,	2.99,	98.00,	0.00)	DC

SJ56	1ST HIGHEST VALUE IS	4.40662	AT ( 809050.00, 2039522.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	4.36277	AT ( 808800.00, 2039522.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	4.26032	AT ( 801800.00, 2040272.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	4.25471	AT ( 802050.00, 2040272.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	4.24029	AT ( 802300.00, 2040272.00,	0.00,	0.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 4.21070 AT ( 808550.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.21015 AT ( 801550.00, 2040272.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 4.17733 AT ( 802550.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 4.14098 AT ( 801300.00, 2040272.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 4.11183 AT ( 809050.00, 2039272.00, 3.00, 3.00, 0.00) DC

BOILER7 1ST HIGHEST VALUE IS 78.34932 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 76.23974 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 74.87006 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 74.19181 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 5TH HIGHEST VALUE IS 73.23665 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 71.83217 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 70.88371 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 70.68004 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 70.63685 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 70.59673 AT ( 805400.00, 2039872.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*

06/07/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 60.68835 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 59.85926 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 3RD HIGHEST VALUE IS 59.35448 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 58.53806 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 57.74317 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 57.59976 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 57.30110 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 56.98759 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 55.96338 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

10TH HIGHEST VALUE IS 54.66027 AT ( 805400.00, 2040072.00, 0.98, 0.98, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 78.13917 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC

2ND HIGHEST VALUE IS 77.73514 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC

3RD HIGHEST VALUE IS 77.61437 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC

4TH HIGHEST VALUE IS 77.61437 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC

5TH HIGHEST VALUE IS 76.18934 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

6TH HIGHEST VALUE IS 76.05544 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC

7TH HIGHEST VALUE IS 74.78752 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

8TH HIGHEST VALUE IS 74.05898 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC

9TH HIGHEST VALUE IS 73.88628 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

10TH HIGHEST VALUE IS 73.16710 AT ( 805700.00, 2040272.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 87.23305 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC

2ND HIGHEST VALUE IS 86.37434 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC

3RD HIGHEST VALUE IS 85.01747 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC

4TH HIGHEST VALUE IS 85.01747 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC

5TH HIGHEST VALUE IS 84.70121 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC

6TH HIGHEST VALUE IS 83.13019 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC

7TH HIGHEST VALUE IS 83.03827 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

8TH HIGHEST VALUE IS 82.60888 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC

9TH HIGHEST VALUE IS 82.49718 AT ( 805600.00, 2040022.00, 0.00, 0.00, 0.00) DC

10TH HIGHEST VALUE IS 82.20713 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*

06/07/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 239.88282 AT ( 805350.00, 2039672.00, 3.00, 98.00, 0.00) DC

2ND HIGHEST VALUE IS 237.46180 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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3RD HIGHEST VALUE IS	236.94627 AT (	805350.00,	2039622.00,	3.00,	98.00,	0.00) DC
4TH HIGHEST VALUE IS	236.65597 AT (	805350.00,	2039572.00,	3.00,	98.00,	0.00) DC
5TH HIGHEST VALUE IS	235.53670 AT (	805400.00,	2039572.00,	3.00,	98.00,	0.00) DC
6TH HIGHEST VALUE IS	235.26390 AT (	805400.00,	2039622.00,	3.00,	98.00,	0.00) DC
7TH HIGHEST VALUE IS	235.17041 AT (	805300.00,	2039722.00,	3.00,	98.00,	0.00) DC
8TH HIGHEST VALUE IS	234.67275 AT (	805400.00,	2039672.00,	3.00,	98.00,	0.00) DC
9TH HIGHEST VALUE IS	234.05366 AT (	805350.00,	2039522.00,	3.00,	98.00,	0.00) DC
10TH HIGHEST VALUE IS	233.72195 AT (	805350.00,	2039972.00,	3.00,	3.00,	0.00) DC
PREPASJ 1ST HIGHEST VALUE IS	239.88282 AT (	805350.00,	2039672.00,	3.00,	98.00,	0.00) DC
2ND HIGHEST VALUE IS	237.46180 AT (	805300.00,	2039622.00,	3.00,	98.00,	0.00) DC
3RD HIGHEST VALUE IS	236.94627 AT (	805350.00,	2039622.00,	3.00,	98.00,	0.00) DC
4TH HIGHEST VALUE IS	236.65597 AT (	805350.00,	2039572.00,	3.00,	98.00,	0.00) DC
5TH HIGHEST VALUE IS	235.53670 AT (	805400.00,	2039572.00,	3.00,	98.00,	0.00) DC
6TH HIGHEST VALUE IS	235.26390 AT (	805400.00,	2039622.00,	3.00,	98.00,	0.00) DC
7TH HIGHEST VALUE IS	235.17041 AT (	805300.00,	2039722.00,	3.00,	98.00,	0.00) DC
8TH HIGHEST VALUE IS	234.67275 AT (	805400.00,	2039672.00,	3.00,	98.00,	0.00) DC
9TH HIGHEST VALUE IS	234.05366 AT (	805350.00,	2039522.00,	3.00,	98.00,	0.00) DC
10TH HIGHEST VALUE IS	233.72195 AT (	805350.00,	2039972.00,	3.00,	3.00,	0.00) DC
SJ56 1ST HIGHEST VALUE IS	4.17214 AT (	801800.00,	2040272.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	4.16548 AT (	802050.00,	2040272.00,	0.00,	0.00,	0.00) DC
3RD HIGHEST VALUE IS	4.15047 AT (	802300.00,	2040272.00,	0.00,	0.00,	0.00) DC
4TH HIGHEST VALUE IS	4.12352 AT (	801550.00,	2040272.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	4.10825 AT (	808800.00,	2039522.00,	3.00,	3.00,	0.00) DC
6TH HIGHEST VALUE IS	4.08759 AT (	802550.00,	2040272.00,	0.00,	0.00,	0.00) DC
7TH HIGHEST VALUE IS	4.07047 AT (	808550.00,	2039522.00,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	4.05621 AT (	801300.00,	2040272.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	4.04958 AT (	809050.00,	2039522.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	4.03160 AT (	809050.00,	2039272.00,	3.00,	3.00,	0.00) DC
BOILER7 1ST HIGHEST VALUE IS	76.86389 AT (	805400.00,	2039922.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	76.04211 AT (	805350.00,	2039922.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	73.98553 AT (	805350.00,	2039972.00,	3.00,	3.00,	0.00) DC
4TH HIGHEST VALUE IS	72.40511 AT (	805400.00,	2039972.00,	2.32,	2.32,	0.00) DC
5TH HIGHEST VALUE IS	71.99026 AT (	805450.00,	2039972.00,	3.00,	3.00,	0.00) DC
6TH HIGHEST VALUE IS	71.38176 AT (	805450.00,	2039922.00,	3.00,	3.00,	0.00) DC
7TH HIGHEST VALUE IS	70.33230 AT (	805300.00,	2039922.00,	1.01,	1.01,	0.00) DC
8TH HIGHEST VALUE IS	69.90868 AT (	805400.00,	2040022.00,	0.98,	0.98,	0.00) DC
9TH HIGHEST VALUE IS	69.86083 AT (	805300.00,	2039972.00,	1.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	68.98277 AT (	805350.00,	2039872.00,	3.00,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 59.30340 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 58.96800 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 3RD HIGHEST VALUE IS 57.99254 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 57.46228 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 56.59963 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 56.38992 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 55.41347 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 8TH HIGHEST VALUE IS 54.65763 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 53.77850 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 10TH HIGHEST VALUE IS 53.58446 AT ( 805550.00, 2040222.00, 0.00, 0.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 78.09201 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 76.52556 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 76.03855 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 76.03855 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 76.03682 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 74.19305 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 7TH HIGHEST VALUE IS 73.72035 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 73.15823 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 9TH HIGHEST VALUE IS 72.80077 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 71.79441 AT ( 805700.00, 2040322.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 85.87084 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 85.26195 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 84.34185 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 84.26628 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC



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5TH HIGHEST VALUE IS 84.26628 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 82.72785 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 81.81562 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 80.88055 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 80.76142 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 80.51792 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 235.17276 AT ( 805350.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 235.14233 AT ( 805350.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 233.80781 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 233.58214 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 233.13272 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 233.06487 AT ( 805400.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 232.71470 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 232.64176 AT ( 805300.00, 2039722.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 231.59626 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 230.69930 AT ( 805350.00, 2039722.00, 3.00, 98.00, 0.00) DC

PREPASJ 1ST HIGHEST VALUE IS 235.17276 AT ( 805350.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 235.14233 AT ( 805350.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 233.80781 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 233.58214 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 233.13272 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 233.06487 AT ( 805400.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 232.71470 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 232.64176 AT ( 805300.00, 2039722.00, 3.00, 98.00, 0.00) DC

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	9TH HIGHEST VALUE IS	231.59626 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC
	10TH HIGHEST VALUE IS	230.69930 AT ( 805350.00, 2039722.00, 3.00, 98.00, 0.00) DC
SJ56	1ST HIGHEST VALUE IS	3.62303 AT ( 802050.00, 2040022.00, 0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	3.61433 AT ( 801800.00, 2040022.00, 0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	3.60687 AT ( 804950.00, 2040122.00, 3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	3.60120 AT ( 804900.00, 2040122.00, 3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	3.58613 AT ( 802300.00, 2040022.00, 0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	3.58051 AT ( 805100.00, 2040322.00, 3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	3.56050 AT ( 805000.00, 2040122.00, 3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	3.55505 AT ( 804950.00, 2040172.00, 3.00, 3.00, 0.00) DC
	9TH HIGHEST VALUE IS	3.55445 AT ( 801550.00, 2040022.00, 3.00, 3.00, 0.00) DC
	10TH HIGHEST VALUE IS	3.55110 AT ( 804900.00, 2040172.00, 3.00, 3.00, 0.00) DC
BOILER7	1ST HIGHEST VALUE IS	72.11281 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	71.85457 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC
	3RD HIGHEST VALUE IS	71.48666 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	71.12253 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	68.55405 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC
	6TH HIGHEST VALUE IS	68.24969 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	68.22948 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	67.83202 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC
	9TH HIGHEST VALUE IS	67.55192 AT ( 805350.00, 2040022.00, 0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS	66.76564 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 56.06745 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

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2ND HIGHEST VALUE IS 55.63894 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 55.16124 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 54.77134 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 54.75139 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 53.76216 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 7TH HIGHEST VALUE IS 53.68269 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 53.24374 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 52.71188 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 10TH HIGHEST VALUE IS 52.49337 AT ( 805350.00, 2040022.00, 0.00, 0.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 74.18260 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 73.38742 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 73.22353 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 72.95448 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 72.95448 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 72.89032 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 71.83108 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 71.60858 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 9TH HIGHEST VALUE IS 70.82567 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 70.77558 AT ( 805700.00, 2040322.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 81.80465 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 81.64982 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 80.97509 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 80.49582 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 80.49582 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 79.70390 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 7TH HIGHEST VALUE IS 79.67754 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 79.57531 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 9TH HIGHEST VALUE IS 79.39674 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 77.76206 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 2013 Actual Emissions \*\*\*  
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 \*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:51:48

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 234.74850 AT ( 805350.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 233.68413 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 232.92019 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 232.76174 AT ( 805350.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 232.63892 AT ( 805400.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 232.38588 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 231.91259 AT ( 805300.00, 2039722.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 231.54260 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 231.53290 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 229.54314 AT ( 805300.00, 2039572.00, 3.00, 98.00, 0.00) DC

PREPASJ 1ST HIGHEST VALUE IS 234.74850 AT ( 805350.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 233.68413 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 232.92019 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 232.76174 AT ( 805350.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 232.63892 AT ( 805400.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 232.38588 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 231.91259 AT ( 805300.00, 2039722.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 231.54260 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 231.53290 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 229.54314 AT ( 805300.00, 2039572.00, 3.00, 98.00, 0.00) DC

SJ56 1ST HIGHEST VALUE IS 3.57356 AT ( 804900.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.57330 AT ( 805100.00, 2040322.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.57258 AT ( 804950.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.54438 AT ( 804950.00, 2040172.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

5TH HIGHEST VALUE IS 3.53653 AT ( 804950.00, 2040072.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 3.53068 AT ( 805100.00, 2040272.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.52036 AT ( 805000.00, 2040122.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.51941 AT ( 805000.00, 2040072.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.51875 AT ( 805550.00, 2040772.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.51815 AT ( 805150.00, 2040272.00, 3.00, 3.00, 0.00) DC

BOILER7 1ST HIGHEST VALUE IS 71.78383 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 71.57518 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 3RD HIGHEST VALUE IS 71.42176 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 70.25587 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 68.41752 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 6TH HIGHEST VALUE IS 67.58050 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 67.19817 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 67.08627 AT ( 805350.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 66.88877 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 66.65434 AT ( 805550.00, 2040222.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 55.27460 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 55.23298 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 55.12058 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 54.60920 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 54.57710 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 53.68330 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 7TH HIGHEST VALUE IS 53.37871 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 52.80798 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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9TH HIGHEST VALUE IS 52.66687 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 10TH HIGHEST VALUE IS 52.30014 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 73.82578 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 73.27197 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 72.79526 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 72.11623 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 71.88783 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 71.88783 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 71.79784 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 71.36324 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 9TH HIGHEST VALUE IS 70.73767 AT ( 805700.00, 2040322.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 69.93893 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 81.69226 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 81.25190 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 3RD HIGHEST VALUE IS 80.74246 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 80.07233 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 80.07233 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 79.47083 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 79.28142 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 78.95680 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 78.95493 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 10TH HIGHEST VALUE IS 77.43873 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)

A Total of 2 Warning Message(s)

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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A Total of 597 Informational Message(s)  
A Total of 8760 Hours Were Processed  
A Total of 417 Calm Hours Identified  
A Total of 180 Missing Hours Identified ( 2.05 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

OU W273 3011 OUMAXD\_CONT: Range of ranks for MAXDCONT THRESH Opt is limited: Max Rank = 9  
CN W415 8761 MAXDCONT\_LOO: MAXDCONT THRESH not reached within range of ranks GRP ALL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA San Juan 2014**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 Actual Emissions 2014 \*\*\*  
09/07/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 07:28:58

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 5 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 434374.0 ; 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. Half-life of 4 hrs for URBAN SO<sub>2</sub>.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO<sub>2</sub>

\*\*Note that special processing requirements apply for the 1-hour SO<sub>2</sub> NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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



## Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 2885 Receptor(s)

with: 5 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 455.2 MB of RAM.

\*\*Input Runstream File: SanJuanActual2014PREPA\_2014\_SO2.DTA

\*\*Output Print File: SanJuanActual2014PREPA\_2014\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
DocumentsINFORMES\SO2Designation2016withactualemi2013to2015\SanJuan\2

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 Actual Emissions 2014 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

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1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
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```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

Surface file: sju14.sfc Met Version: 15181  
Profile file: sju14.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2014 Year: 2014

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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

14	01	01	1	01	-37.7	0.367	-9.000	-9.000	-999.	533.	118.9	0.10	0.42	1.00	4.61	85.	10.0	298.1	2.0
14	01	01	1	02	-28.8	0.280	-9.000	-9.000	-999.	359.	68.9	0.10	0.42	1.00	3.73	86.	10.0	297.0	2.0
14	01	01	1	03	-22.4	0.275	-9.000	-9.000	-999.	347.	84.5	0.10	0.42	1.00	3.58	89.	10.0	297.0	2.0
14	01	01	1	04	-49.7	0.482	-9.000	-9.000	-999.	804.	205.0	0.10	0.42	1.00	5.85	68.	10.0	297.0	2.0
14	01	01	1	05	-50.1	0.486	-9.000	-9.000	-999.	813.	208.1	0.10	0.42	1.00	5.89	72.	10.0	297.0	2.0
14	01	01	1	06	-45.3	0.440	-9.000	-9.000	-999.	703.	170.5	0.10	0.42	1.00	5.39	81.	10.0	297.0	2.0
14	01	01	1	07	-34.8	0.338	-9.000	-9.000	-999.	478.	100.4	0.10	0.42	1.00	4.31	85.	10.0	297.0	2.0
14	01	01	1	08	-10.1	0.360	-9.000	-9.000	-999.	519.	421.6	0.10	0.42	0.45	4.26	84.	10.0	298.1	2.0
14	01	01	1	09	38.7	0.485	0.700	0.005	322.	809.	-267.5	0.10	0.42	0.23	5.43	73.	10.0	299.2	2.0
14	01	01	1	10	77.6	0.676	1.208	0.005	827.	1332.	-361.5	0.10	0.42	0.17	7.62	65.	10.0	300.4	2.0
14	01	01	1	11	106.3	0.698	1.418	0.005	978.	1397.	-290.4	0.10	0.42	0.15	7.83	68.	10.0	300.4	2.0
14	01	01	1	12	123.5	0.739	1.562	0.005	1123.	1522.	-297.1	0.10	0.42	0.15	8.30	71.	10.0	300.4	2.0
14	01	01	1	13	129.0	0.682	1.646	0.005	1258.	1357.	-222.9	0.10	0.42	0.14	7.60	68.	10.0	300.4	2.0
14	01	01	1	14	122.5	0.702	1.667	0.005	1374.	1411.	-256.5	0.10	0.42	0.15	7.86	69.	10.0	300.4	2.0
14	01	01	1	15	104.4	0.761	1.616	0.005	1467.	1590.	-382.7	0.10	0.42	0.15	8.59	68.	10.0	300.9	2.0
14	01	01	1	16	74.6	0.717	1.464	0.005	1527.	1461.	-446.9	0.10	0.42	0.17	8.11	73.	10.0	300.4	2.0
14	01	01	1	17	35.2	0.590	1.149	0.005	1557.	1107.	-526.3	0.10	0.42	0.24	6.69	68.	10.0	299.8	2.0
14	01	01	1	18	-20.7	0.419	-9.000	-9.000	-999.	681.	323.3	0.10	0.42	0.49	4.99	77.	10.0	299.2	2.0
14	01	01	1	19	-31.3	0.304	-9.000	-9.000	-999.	414.	81.4	0.10	0.42	1.00	3.97	83.	10.0	297.0	2.0
14	01	01	1	20	-24.3	0.236	-9.000	-9.000	-999.	277.	49.0	0.10	0.42	1.00	3.32	87.	10.0	297.0	2.0
14	01	01	1	21	-46.6	0.456	-9.000	-9.000	-999.	739.	184.4	0.10	0.42	1.00	5.56	76.	10.0	299.2	2.0
14	01	01	1	22	-44.7	0.437	-9.000	-9.000	-999.	694.	169.1	0.10	0.42	1.00	5.36	78.	10.0	298.1	2.0
14	01	01	1	23	-37.6	0.365	-9.000	-9.000	-999.	532.	117.1	0.10	0.42	1.00	4.59	84.	10.0	297.0	2.0
14	01	01	1	24	-33.6	0.326	-9.000	-9.000	-999.	447.	93.6	0.10	0.42	1.00	4.19	88.	10.0	297.0	2.0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 14 01 01 01 10.0 1 85. 4.61 298.2 99.0 -99.00 -99.00

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

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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		** CONC OF SO2 IN MICROGRAMS/M**3			**		
GROUP ID	AVERAGE CONC	NETWORK					
GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE					
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ALL	1ST HIGHEST VALUE IS	280.81324	AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	273.77280	AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00)	DC
	3RD HIGHEST VALUE IS	271.54672	AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	269.37297	AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	264.85749	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	6TH HIGHEST VALUE IS	261.97524	AT ( 805300.00, 2039822.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	260.10498	AT ( 805350.00, 2039822.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	259.16176	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	257.06421	AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	254.04358	AT ( 805250.00, 2039822.00,	3.00,	3.00,	0.00)	DC
SJ56	1ST HIGHEST VALUE IS	3.14494	AT ( 802550.00, 2039522.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	3.13770	AT ( 802800.00, 2039522.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	3.11835	AT ( 802300.00, 2039522.00,	1.99,	1.99,	0.00)	DC
	4TH HIGHEST VALUE IS	3.10880	AT ( 802050.00, 2039272.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	3.10841	AT ( 801800.00, 2039272.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	3.08222	AT ( 809050.00, 2040022.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	3.07396	AT ( 801550.00, 2039272.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	3.06439	AT ( 802300.00, 2039272.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	3.06295	AT ( 803050.00, 2039522.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	3.05102	AT ( 809050.00, 2040272.00,	0.00,	0.00,	0.00)	DC
BOILER7	1ST HIGHEST VALUE IS	107.58813	AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	99.22864	AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	98.71111	AT ( 805550.00, 2040122.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	97.10802	AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	94.65759	AT ( 805400.00, 2039872.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	94.61914	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	7TH HIGHEST VALUE IS	94.24759	AT ( 805500.00, 2040122.00,	1.02,	1.02,	0.00)	DC
	8TH HIGHEST VALUE IS	93.36294	AT ( 805500.00, 2040172.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	92.35253	AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	92.25614	AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00)	DC
BOILER8	1ST HIGHEST VALUE IS	120.96573	AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	115.29733	AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

3RD HIGHEST VALUE IS 112.43183 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 112.29541 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 109.78501 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 109.02671 AT ( 805550.00, 2040172.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 108.74019 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 107.46406 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 9TH HIGHEST VALUE IS 106.51743 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 106.26063 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER9 1ST HIGHEST VALUE IS 85.06321 AT ( 805700.00, 2040222.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 82.28811 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 82.28811 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 82.26117 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 80.79737 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 79.40487 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 79.28624 AT ( 805700.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 79.03508 AT ( 805650.00, 2040222.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 78.99827 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 78.73388 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 28.04428 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 28.04428 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 27.89164 AT ( 805700.00, 2040222.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 27.82836 AT ( 805700.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 27.28947 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 26.90386 AT ( 805750.00, 2040222.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 26.77318 AT ( 805600.00, 2040022.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

8TH HIGHEST VALUE IS 26.71711 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 26.47065 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 26.46632 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 273.83871 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 266.89865 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 265.21685 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 259.64888 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 259.54593 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 258.91089 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 247.42581 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 246.38223 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 246.15752 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 10TH HIGHEST VALUE IS 243.88423 AT ( 805250.00, 2039572.00, 3.00, 98.00, 0.00) DC

SJ56 1ST HIGHEST VALUE IS 2.90043 AT ( 802050.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 2.89445 AT ( 802300.00, 2039522.00, 1.99, 1.99, 0.00) DC  
 3RD HIGHEST VALUE IS 2.86906 AT ( 801800.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.83872 AT ( 802550.00, 2039522.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.81630 AT ( 801550.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.74716 AT ( 801800.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.74316 AT ( 802800.00, 2039522.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.74033 AT ( 801550.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.72847 AT ( 801300.00, 2039522.00, 6.54, 6.54, 0.00) DC  
 10TH HIGHEST VALUE IS 2.72365 AT ( 805000.00, 2040072.00, 3.00, 3.00, 0.00) DC

BOILER7 1ST HIGHEST VALUE IS 104.71197 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 97.69520 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 94.37280 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 93.34453 AT ( 805400.00, 2039872.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 93.09361 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 91.99339 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 7TH HIGHEST VALUE IS 91.13850 AT ( 805500.00, 2040172.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 90.89933 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 90.58822 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 10TH HIGHEST VALUE IS 90.13402 AT ( 805350.00, 2039872.00, 3.00, 3.00, 0.00) DC

BOILER8 1ST HIGHEST VALUE IS 119.24541 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 110.67191 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 107.40962 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 106.93069 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 106.64061 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 106.63191 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 105.85967 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 8TH HIGHEST VALUE IS 103.98108 AT ( 805500.00, 2040172.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 102.83450 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 102.63161 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER9 1ST HIGHEST VALUE IS 80.47040 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 80.47040 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 79.48202 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 79.43601 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 78.64924 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 78.04177 AT ( 805650.00, 2040222.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 77.48781 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 77.42140 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 9TH HIGHEST VALUE IS 77.00947 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 76.34608 AT ( 805550.00, 2039972.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 26.87721 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 26.87721 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 26.46199 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 26.41864 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 26.25899 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 26.09600 AT ( 805700.00, 2040222.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 26.06462 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 25.80852 AT ( 805700.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 25.67602 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 25.49945 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 260.38779 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 258.71368 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 258.20391 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 257.70720 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 257.21019 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 247.89452 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 246.86143 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 243.18411 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 241.82214 AT ( 805300.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 241.79434 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

SJ56 1ST HIGHEST VALUE IS 2.69339 AT ( 802550.00, 2039522.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 2.69164 AT ( 801300.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 2.69122 AT ( 802300.00, 2039522.00, 1.99, 1.99, 0.00) DC  
 4TH HIGHEST VALUE IS 2.69015 AT ( 805050.00, 2040072.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.67652 AT ( 805000.00, 2040072.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.67436 AT ( 801550.00, 2039272.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.65896 AT ( 802800.00, 2039522.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.64449 AT ( 802050.00, 2039522.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.63866 AT ( 804950.00, 2040072.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.63703 AT ( 801050.00, 2039272.00, 0.99, 0.99, 0.00) DC

BOILER7 1ST HIGHEST VALUE IS 103.87018 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 97.42115 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 94.26313 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 92.26243 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 90.50080 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 90.40927 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 89.05273 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 88.73308 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 87.77792 AT ( 805500.00, 2040172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 87.45188 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC

BOILER8 1ST HIGHEST VALUE IS 116.08359 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 109.50259 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 106.27897 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 106.04861 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 105.59085 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 103.63709 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 102.42280 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 102.32336 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 101.98962 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 100.85544 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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GROUP ID GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
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BOILER9	1ST HIGHEST VALUE IS 80.31169 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC	
	2ND HIGHEST VALUE IS 80.31169 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC	
	3RD HIGHEST VALUE IS 79.26647 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC	
	4TH HIGHEST VALUE IS 77.56602 AT ( 805650.00, 2040222.00, 0.00, 0.00, 0.00) DC	
	5TH HIGHEST VALUE IS 76.99108 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC	
	6TH HIGHEST VALUE IS 76.45346 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC	
	7TH HIGHEST VALUE IS 75.45537 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC	
	8TH HIGHEST VALUE IS 75.08366 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC	
	9TH HIGHEST VALUE IS 75.07679 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC	
	10TH HIGHEST VALUE IS 74.68093 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC	

BOILER10	1ST HIGHEST VALUE IS 26.54928 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC	
	2ND HIGHEST VALUE IS 26.54928 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC	
	3RD HIGHEST VALUE IS 26.25365 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC	
	4TH HIGHEST VALUE IS 25.86872 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC	
	5TH HIGHEST VALUE IS 25.49385 AT ( 805700.00, 2040272.00, 0.00, 0.00, 0.00) DC	
	6TH HIGHEST VALUE IS 25.48716 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC	
	7TH HIGHEST VALUE IS 25.43611 AT ( 805700.00, 2040222.00, 0.00, 0.00, 0.00) DC	
	8TH HIGHEST VALUE IS 25.43515 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC	
	9TH HIGHEST VALUE IS 25.39523 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC	
	10TH HIGHEST VALUE IS 25.25826 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC	

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
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Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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ALL	1ST HIGHEST VALUE IS	259.32850 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	257.17326 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	254.83313 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	4TH HIGHEST VALUE IS	254.32870 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	5TH HIGHEST VALUE IS	249.18482 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	246.08387 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	244.15531 AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00) DC
	8TH HIGHEST VALUE IS	241.67874 AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00) DC
	9TH HIGHEST VALUE IS	240.45305 AT ( 805300.00, 2039972.00,	1.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	240.19358 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
SJ56	1ST HIGHEST VALUE IS	2.62053 AT ( 804950.00, 2040072.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	2.60865 AT ( 805050.00, 2040072.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	2.59941 AT ( 805000.00, 2040072.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	2.57830 AT ( 804900.00, 2040072.00,	2.66,	2.66,	0.00) DC
	5TH HIGHEST VALUE IS	2.57776 AT ( 805050.00, 2040222.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	2.57121 AT ( 804950.00, 2040122.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	2.55847 AT ( 802050.00, 2040022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	2.55830 AT ( 801800.00, 2040022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	2.55817 AT ( 805000.00, 2040122.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	2.55307 AT ( 805000.00, 2040222.00,	3.00,	3.00,	0.00) DC
BOILER7	1ST HIGHEST VALUE IS	103.17097 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	2ND HIGHEST VALUE IS	95.47237 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	93.30438 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	89.84952 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	5TH HIGHEST VALUE IS	88.51275 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	87.42059 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	87.02028 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
	8TH HIGHEST VALUE IS	86.62713 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC
	9TH HIGHEST VALUE IS	86.04089 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	84.27490 AT ( 805450.00, 2040022.00,	3.00,	3.00,	0.00) DC
BOILER8	1ST HIGHEST VALUE IS	113.81445 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	2ND HIGHEST VALUE IS	108.88934 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	104.90532 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	103.59945 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	101.96431 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	6TH HIGHEST VALUE IS	101.57136 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	101.56292 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	100.83542 AT ( 805450.00, 2040022.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	99.05715 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC

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10TH HIGHEST VALUE IS 97.95561 AT ( 805500.00, 2040172.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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BOILER9 1ST HIGHEST VALUE IS 78.85115 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 77.97025 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 77.97025 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 76.53103 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 74.99128 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 73.96347 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 73.73709 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 73.45768 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 73.17307 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 72.65828 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 26.34998 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 26.34998 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 25.66378 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 25.26064 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 25.17016 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 25.08916 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 24.97167 AT ( 805600.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 24.79420 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 24.71650 AT ( 805650.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 24.60884 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

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 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
ALL	1ST HIGHEST VALUE IS 258.29930 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 254.42047 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 254.05767 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 253.47670 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00)	DC	
	5TH HIGHEST VALUE IS 247.09407 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 244.11181 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 242.32799 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 240.43858 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 239.90088 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 239.58499 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00)	DC	
SJ56	1ST HIGHEST VALUE IS 2.59791 AT ( 805000.00, 2040072.00, 3.00, 3.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 2.57398 AT ( 805050.00, 2040072.00, 3.00, 3.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 2.57137 AT ( 804950.00, 2040072.00, 3.00, 3.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 2.55790 AT ( 805000.00, 2040122.00, 3.00, 3.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 2.54183 AT ( 804950.00, 2040122.00, 3.00, 3.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 2.53070 AT ( 804900.00, 2040072.00, 2.66, 2.66, 0.00)	DC	
	7TH HIGHEST VALUE IS 2.51680 AT ( 804900.00, 2040122.00, 3.00, 3.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 2.51251 AT ( 805050.00, 2040122.00, 3.00, 3.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 2.50527 AT ( 805000.00, 2040022.00, 3.00, 3.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 2.50475 AT ( 805050.00, 2040172.00, 3.00, 3.00, 0.00)	DC	
BOILER7	1ST HIGHEST VALUE IS 98.04186 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 94.78058 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 93.21069 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 89.76994 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00)	DC	
	5TH HIGHEST VALUE IS 87.29351 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 86.52272 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00)	DC	
	7TH HIGHEST VALUE IS 85.30352 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 85.18555 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00)	DC	

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9TH HIGHEST VALUE IS 84.65713 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 83.84681 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

BOILER8 1ST HIGHEST VALUE IS 111.88995 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 108.72480 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 103.72726 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 103.54058 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 101.88819 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 101.15393 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 100.97852 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 100.67273 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 97.28249 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 96.16751 AT ( 805350.00, 2040022.00, 0.00, 0.00, 0.00) DC

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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER9 1ST HIGHEST VALUE IS 78.57862 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 77.83440 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 77.83440 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 76.09896 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 74.76184 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 73.71460 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 73.16113 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 72.57939 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 72.44829 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 72.32719 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 26.17109 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 26.17109 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

3RD HIGHEST VALUE IS	25.65218 AT ( 805500.00, 2040022.00,	1.02,	1.02,	0.00) DC
4TH HIGHEST VALUE IS	25.02794 AT ( 805500.00, 2040072.00,	1.02,	1.02,	0.00) DC
5TH HIGHEST VALUE IS	24.99477 AT ( 805550.00, 2040072.00,	0.00,	0.00,	0.00) DC
6TH HIGHEST VALUE IS	24.77144 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
7TH HIGHEST VALUE IS	24.63175 AT ( 805600.00, 2040022.00,	0.00,	0.00,	0.00) DC
8TH HIGHEST VALUE IS	24.46947 AT ( 805550.00, 2040122.00,	0.00,	0.00,	0.00) DC
9TH HIGHEST VALUE IS	24.40162 AT ( 805450.00, 2040022.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	24.35334 AT ( 805500.00, 2040122.00,	1.02,	1.02,	0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL	1ST HIGHEST VALUE IS	252.98882 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	2ND HIGHEST VALUE IS	251.44553 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	248.57032 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	246.67647 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	240.38721 AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00) DC
	6TH HIGHEST VALUE IS	240.09206 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	239.83532 AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00) DC
	8TH HIGHEST VALUE IS	239.70199 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	9TH HIGHEST VALUE IS	239.31996 AT ( 805300.00, 2039972.00,	1.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	238.53420 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
SJ56	1ST HIGHEST VALUE IS	2.58626 AT ( 805000.00, 2040072.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	2.56577 AT ( 804950.00, 2040072.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	2.56079 AT ( 805050.00, 2040072.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	2.54983 AT ( 805000.00, 2040122.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	2.52254 AT ( 804900.00, 2040072.00,	2.66,	2.66,	0.00) DC
	6TH HIGHEST VALUE IS	2.52168 AT ( 804950.00, 2040122.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	2.50443 AT ( 804900.00, 2040122.00,	3.00,	3.00,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

8TH HIGHEST VALUE IS 2.50036 AT ( 805600.00, 2039022.00, 74.24, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.48908 AT ( 805100.00, 2040072.00, 2.68, 2.68, 0.00) DC  
 10TH HIGHEST VALUE IS 2.48539 AT ( 805300.00, 2040522.00, 0.00, 0.00, 0.00) DC

BOILER7 1ST HIGHEST VALUE IS 94.19675 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 93.91964 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 93.16310 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 88.88135 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 5TH HIGHEST VALUE IS 87.28903 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 86.17825 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 7TH HIGHEST VALUE IS 85.13858 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 84.33625 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 9TH HIGHEST VALUE IS 83.65831 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 83.35376 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC

BOILER8 1ST HIGHEST VALUE IS 108.71541 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 108.53339 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 103.53696 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 101.87855 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 5TH HIGHEST VALUE IS 101.84582 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 100.41570 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 99.51947 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 99.42984 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 96.03388 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 94.58641 AT ( 805400.00, 2040072.00, 0.98, 0.98, 0.00) DC

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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER9 1ST HIGHEST VALUE IS 78.54693 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 77.04473 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 77.04473 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 75.82288 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 74.31823 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 73.47326 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 72.36022 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 72.25479 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 72.24054 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 71.83794 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 25.97745 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 25.97745 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 25.60257 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 24.97827 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 24.64219 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 24.63462 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 24.35504 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 24.32684 AT ( 805600.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 24.28329 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 23.99706 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 247.13280 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 2ND HIGHEST VALUE IS 246.99373 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 246.43290 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 243.91395 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 239.13257 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 238.99189 AT ( 805350.00, 2039622.00, 3.00, 98.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	7TH HIGHEST VALUE IS	236.98112 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	236.80302 AT ( 805300.00, 2039972.00,	1.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	235.59704 AT ( 805350.00, 2039572.00,	3.00,	98.00,	0.00) DC
	10TH HIGHEST VALUE IS	235.43428 AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00) DC
SJ56	1ST HIGHEST VALUE IS	2.56458 AT ( 805000.00, 2040072.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	2.54374 AT ( 804950.00, 2040072.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	2.52578 AT ( 805050.00, 2040072.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	2.51342 AT ( 804950.00, 2040122.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	2.50232 AT ( 804900.00, 2040072.00,	2.66,	2.66,	0.00) DC
	6TH HIGHEST VALUE IS	2.50216 AT ( 804900.00, 2040122.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	2.49981 AT ( 805000.00, 2040122.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	2.48675 AT ( 805100.00, 2040072.00,	2.68,	2.68,	0.00) DC
	9TH HIGHEST VALUE IS	2.45444 AT ( 805050.00, 2040122.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	2.44574 AT ( 805600.00, 2039072.00,	63.49,	98.00,	0.00) DC
BOILER7	1ST HIGHEST VALUE IS	90.23465 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	90.14676 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	88.64963 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	4TH HIGHEST VALUE IS	88.40702 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	5TH HIGHEST VALUE IS	86.14165 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	84.35764 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
	7TH HIGHEST VALUE IS	83.28402 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	82.45863 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	82.18725 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC
	10TH HIGHEST VALUE IS	81.57841 AT ( 805450.00, 2040022.00,	3.00,	3.00,	0.00) DC
BOILER8	1ST HIGHEST VALUE IS	101.33023 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	101.08398 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	3RD HIGHEST VALUE IS	100.16072 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	99.18501 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	98.85653 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	97.87140 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	97.29422 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	8TH HIGHEST VALUE IS	95.28623 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC
	9TH HIGHEST VALUE IS	93.92377 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
	10TH HIGHEST VALUE IS	93.84741 AT ( 805450.00, 2040022.00,	3.00,	3.00,	0.00) DC

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 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

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BOILER9 1ST HIGHEST VALUE IS 75.02164 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 74.00163 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 73.74712 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 73.53977 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 73.53977 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 72.94054 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 70.64504 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 70.13572 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 69.51715 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 69.29915 AT ( 805650.00, 2040322.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 24.71851 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 24.69112 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 24.64342 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 24.64342 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 24.43501 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 24.26337 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 23.87273 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 23.80412 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 23.76197 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 23.63230 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID	AVERAGE CONC	NETWORK			RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
		GRID-ID			
ALL	1ST HIGHEST VALUE IS	245.65797 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	245.56632 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	244.52250 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	4TH HIGHEST VALUE IS	241.68032 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	238.82300 AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00) DC
	6TH HIGHEST VALUE IS	238.01276 AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00) DC
	7TH HIGHEST VALUE IS	235.55133 AT ( 805350.00, 2039572.00,	3.00,	98.00,	0.00) DC
	8TH HIGHEST VALUE IS	235.35158 AT ( 805300.00, 2039972.00,	1.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	235.15841 AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00) DC
	10TH HIGHEST VALUE IS	234.31502 AT ( 805300.00, 2039672.00,	3.00,	98.00,	0.00) DC
SJ56	1ST HIGHEST VALUE IS	2.52445 AT ( 805050.00, 2040072.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	2.52296 AT ( 805000.00, 2040072.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	2.51480 AT ( 804950.00, 2040072.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	2.49832 AT ( 804900.00, 2040072.00,	2.66,	2.66,	0.00) DC
	5TH HIGHEST VALUE IS	2.49767 AT ( 804950.00, 2040122.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	2.49147 AT ( 805000.00, 2040122.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	2.48551 AT ( 805100.00, 2040072.00,	2.68,	2.68,	0.00) DC
	8TH HIGHEST VALUE IS	2.48271 AT ( 804900.00, 2040122.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	2.44444 AT ( 805600.00, 2039022.00,	74.24,	98.00,	0.00) DC
	10TH HIGHEST VALUE IS	2.43830 AT ( 805000.00, 2040172.00,	3.00,	3.00,	0.00) DC
BOILER7	1ST HIGHEST VALUE IS	88.40406 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	2ND HIGHEST VALUE IS	88.39322 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	87.29221 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	85.78580 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	83.85428 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
	6TH HIGHEST VALUE IS	82.47982 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	81.81264 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC
	8TH HIGHEST VALUE IS	81.08461 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	80.46647 AT ( 805350.00, 2040022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	80.42467 AT ( 805300.00, 2039972.00,	1.00,	3.00,	0.00) DC
BOILER8	1ST HIGHEST VALUE IS	100.57247 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	2ND HIGHEST VALUE IS	100.15224 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	99.66215 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	98.90906 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	97.81736 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC

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6TH HIGHEST VALUE IS 96.21525 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 94.10650 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 8TH HIGHEST VALUE IS 93.80837 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 93.78512 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 93.31968 AT ( 805350.00, 2040022.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER9 1ST HIGHEST VALUE IS 73.95843 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 73.64578 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 72.97079 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 72.81063 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 70.97257 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 70.97257 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 70.12834 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 69.88096 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 69.29218 AT ( 805650.00, 2040322.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 69.21156 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 24.61276 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 24.56933 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 24.23989 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 24.09973 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 24.09973 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 24.03973 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 23.81494 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 23.71833 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 23.56044 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 23.43133 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA San Juan SO2 Actual Emissions 2014 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 707 Informational Message(s)  
  
A Total of 8760 Hours Were Processed  
  
A Total of 521 Calm Hours Identified  
  
A Total of 186 Missing Hours Identified ( 2.12 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

OU W273 2987 OUMAXD\_CONT: Range of ranks for MAXDCONT THRESH Opt is limited: Max Rank = 9  
CN W415 8761 MAXDCONT\_LOO: MAXDCONT THRESH not reached within range of ranks GRP ALL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
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**PREPA San Juan 2015**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA San Juan SO2 Actual Emissions 2015 \*\*\*  
06/07/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:54:28  
PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 5 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 434374.0 ; 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. Half-life of 4 hrs for URBAN SO<sub>2</sub>.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO<sub>2</sub>

\*\*Note that special processing requirements apply for the 1-hour SO<sub>2</sub> NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*This Run Includes: 5 Source(s); 7 Source Group(s); and 2910 Receptor(s)

with: 5 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 455.7 MB of RAM.

\*\*Input Runstream File: SanJuanSO22015emismetdata\_2015\_SO2.DTA

\*\*Output Print File: SanJuanSO22015emismetdata\_2015\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
Documents\INFORMES\SO2Designation2016withactualemi2013to2015\SanJuan\2

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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

```
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 111111
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

```
*** AERMOD - VERSION 15181 *** *** PREPA San Juan SO2 Actual Emissions 2015 ***
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**MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN
```

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

```
Surface file: sju15.sfc Met Version: 15181
Profile file: sju15.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 11641 Upper air station no.: 11641
Name: UNKNOWN Name: UNKNOWN
Year: 2015 Year: 2015
```

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
```

-----  
15 01 01 1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.23 0.42 1.00 0.00 0. 10.0 295.9 2.0

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

15 01 01	1 02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	295.4	2.0
15 01 01	1 03	-3.7	0.070	-9.000	-9.000	-999.	44.	8.4	0.48	0.42	1.00	1.06	170.	10.0	295.4	2.0
15 01 01	1 04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	295.4	2.0
15 01 01	1 05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	999.00	999.	-9.0	294.8	2.0
15 01 01	1 06	-4.9	0.081	-9.000	-9.000	-999.	55.	9.7	0.48	0.42	1.00	1.23	212.	10.0	294.2	2.0
15 01 01	1 07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	294.2	2.0
15 01 01	1 08	-4.1	0.122	-9.000	-9.000	-999.	102.	39.4	0.11	0.42	0.45	1.76	273.	10.0	295.4	2.0
15 01 01	1 09	37.5	0.252	0.480	0.005	106.	303.	-38.4	0.48	0.42	0.23	1.60	215.	10.0	295.9	2.0
15 01 01	1 10	77.2	0.225	1.094	0.005	615.	256.	-13.3	0.48	0.42	0.17	1.23	218.	10.0	299.2	2.0
15 01 01	1 11	105.8	0.207	1.356	0.005	856.	227.	-7.7	0.11	0.42	0.15	1.72	346.	10.0	299.2	2.0
15 01 01	1 12	123.1	0.355	1.478	0.005	952.	508.	-33.1	0.11	0.42	0.15	3.49	358.	10.0	299.2	2.0
15 01 01	1 13	129.0	0.367	1.548	0.005	1045.	534.	-34.7	0.10	0.42	0.14	3.71	8.	10.0	300.4	2.0
15 01 01	1 14	122.1	0.391	1.562	0.005	1133.	586.	-44.2	0.11	0.42	0.15	3.93	353.	10.0	299.2	2.0
15 01 01	1 15	103.8	0.397	1.526	0.005	1241.	599.	-54.4	0.11	0.42	0.15	4.05	349.	10.0	299.2	2.0
15 01 01	1 16	74.6	0.390	1.394	0.005	1315.	586.	-72.2	0.10	0.42	0.17	4.15	11.	10.0	300.4	2.0
15 01 01	1 17	35.0	0.363	1.091	0.005	1345.	526.	-124.2	0.10	0.42	0.24	3.97	22.	10.0	299.2	2.0
15 01 01	1 18	-16.2	0.315	-9.000	-9.000	-999.	425.	173.8	0.10	0.42	0.49	3.85	31.	10.0	298.1	2.0
15 01 01	1 19	-25.9	0.253	-9.000	-9.000	-999.	306.	56.4	0.10	0.42	1.00	3.47	36.	10.0	298.1	2.0
15 01 01	1 20	-30.3	0.295	-9.000	-9.000	-999.	385.	77.0	0.10	0.42	1.00	3.88	27.	10.0	298.1	2.0
15 01 01	1 21	-27.4	0.267	-9.000	-9.000	-999.	332.	63.2	0.10	0.42	1.00	3.61	40.	10.0	298.1	2.0
15 01 01	1 22	-27.3	0.265	-9.000	-9.000	-999.	328.	61.9	0.10	0.42	1.00	3.59	40.	10.0	297.0	2.0
15 01 01	1 23	-12.9	0.131	-9.000	-9.000	-999.	126.	15.8	0.48	0.42	1.00	1.99	97.	10.0	297.0	2.0
15 01 01	1 24	-4.7	0.079	-9.000	-9.000	-999.	54.	9.5	0.48	0.42	1.00	1.20	147.	10.0	295.9	2.0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 15 01 01 01 10.0 1 -999. -99.00 296.0 99.0 -99.00 -99.00

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

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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

-----

ALL    1ST HIGHEST VALUE IS    341.90818 AT ( 804900.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       2ND HIGHEST VALUE IS    341.69710 AT ( 804950.00, 2039772.00,    2.35,    2.35,    0.00) DC  
       3RD HIGHEST VALUE IS    339.56224 AT ( 804850.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       4TH HIGHEST VALUE IS    338.53217 AT ( 805000.00, 2039772.00,    0.01,    0.01,    0.00) DC  
       5TH HIGHEST VALUE IS    337.38303 AT ( 804900.00, 2039822.00,    2.34,    2.34,    0.00) DC  
       6TH HIGHEST VALUE IS    337.03267 AT ( 805000.00, 2039822.00,    0.00,    0.00,    0.00) DC  
       7TH HIGHEST VALUE IS    337.00641 AT ( 804950.00, 2039822.00,    0.00,    0.00,    0.00) DC  
       8TH HIGHEST VALUE IS    335.64776 AT ( 804800.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       9TH HIGHEST VALUE IS    335.64776 AT ( 804800.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       10TH HIGHEST VALUE IS    334.82656 AT ( 804850.00, 2039822.00,    3.00,    3.00,    0.00) DC

PREPASJ 1ST HIGHEST VALUE IS    341.90818 AT ( 804900.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       2ND HIGHEST VALUE IS    341.69710 AT ( 804950.00, 2039772.00,    2.35,    2.35,    0.00) DC  
       3RD HIGHEST VALUE IS    339.56224 AT ( 804850.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       4TH HIGHEST VALUE IS    338.53217 AT ( 805000.00, 2039772.00,    0.01,    0.01,    0.00) DC  
       5TH HIGHEST VALUE IS    337.38303 AT ( 804900.00, 2039822.00,    2.34,    2.34,    0.00) DC  
       6TH HIGHEST VALUE IS    337.03267 AT ( 805000.00, 2039822.00,    0.00,    0.00,    0.00) DC  
       7TH HIGHEST VALUE IS    337.00641 AT ( 804950.00, 2039822.00,    0.00,    0.00,    0.00) DC  
       8TH HIGHEST VALUE IS    335.64776 AT ( 804800.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       9TH HIGHEST VALUE IS    335.64776 AT ( 804800.00, 2039772.00,    3.00,    3.00,    0.00) DC  
       10TH HIGHEST VALUE IS    334.82656 AT ( 804850.00, 2039822.00,    3.00,    3.00,    0.00) DC

SJ56    1ST HIGHEST VALUE IS    5.12191 AT ( 803300.00, 2038272.00,    13.00,    13.00,    0.00) DC  
       2ND HIGHEST VALUE IS    5.08088 AT ( 809050.00, 2039772.00,    0.00,    0.00,    0.00) DC  
       3RD HIGHEST VALUE IS    5.08077 AT ( 808800.00, 2039772.00,    2.66,    2.66,    0.00) DC  
       4TH HIGHEST VALUE IS    5.06264 AT ( 803050.00, 2038272.00,    13.00,    13.00,    0.00) DC  
       5TH HIGHEST VALUE IS    5.05054 AT ( 803550.00, 2038522.00,    7.00,    85.00,    0.00) DC  
       6TH HIGHEST VALUE IS    5.02942 AT ( 802800.00, 2038022.00,    13.00,    95.00,    0.00) DC  
       7TH HIGHEST VALUE IS    5.00605 AT ( 809050.00, 2040772.00,    0.00,    0.00,    0.00) DC  
       8TH HIGHEST VALUE IS    4.99562 AT ( 803050.00, 2038022.00,    21.99,    95.00,    0.00) DC  
       9TH HIGHEST VALUE IS    4.98119 AT ( 808550.00, 2039022.00,    3.00,    3.00,    0.00) DC  
       10TH HIGHEST VALUE IS    4.97870 AT ( 808800.00, 2039022.00,    3.00,    3.00,    0.00) DC

BOILER7 1ST HIGHEST VALUE IS    115.33869 AT ( 805550.00, 2038922.00,    93.08,    98.00,    0.00) DC  
       2ND HIGHEST VALUE IS    108.58168 AT ( 805600.00, 2038972.00,    79.04,    98.00,    0.00) DC  
       3RD HIGHEST VALUE IS    108.22649 AT ( 805600.00, 2038922.00,    84.07,    98.00,    0.00) DC  
       4TH HIGHEST VALUE IS    105.95856 AT ( 805500.00, 2038922.00,    85.28,    98.00,    0.00) DC  
       5TH HIGHEST VALUE IS    103.24808 AT ( 805600.00, 2039022.00,    74.24,    98.00,    0.00) DC  
       6TH HIGHEST VALUE IS    99.81261 AT ( 805400.00, 2039972.00,    2.32,    2.32,    0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 99.47213 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 98.36379 AT ( 805500.00, 2038872.00, 86.07, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 98.03286 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 97.62288 AT ( 805400.00, 2039872.00, 3.00, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 87.72785 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 83.07610 AT ( 805500.00, 2038922.00, 85.28, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 82.62409 AT ( 805600.00, 2038922.00, 84.07, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 81.35004 AT ( 805600.00, 2038972.00, 79.04, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 80.80118 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 6TH HIGHEST VALUE IS 79.79673 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 79.03164 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 77.95748 AT ( 805500.00, 2038872.00, 86.07, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 77.60396 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 77.20910 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 181.20630 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 180.32447 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 180.24175 AT ( 806150.00, 2039122.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 179.94295 AT ( 805750.00, 2040272.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 179.69557 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 179.34653 AT ( 806150.00, 2039172.00, 3.00, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 179.24335 AT ( 806150.00, 2039072.00, 7.04, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 178.24782 AT ( 806100.00, 2039172.00, 3.79, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 177.86829 AT ( 806150.00, 2039022.00, 16.24, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 177.83695 AT ( 805050.00, 2039822.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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BOILER10 1ST HIGHEST VALUE IS 3.27194 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.26474 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.23511 AT ( 806150.00, 2039172.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.23320 AT ( 806150.00, 2039122.00, 3.00, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 3.21151 AT ( 806200.00, 2039122.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 3.20493 AT ( 806200.00, 2039072.00, 3.00, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.20105 AT ( 806150.00, 2039072.00, 7.04, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.20075 AT ( 806150.00, 2039222.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.19612 AT ( 806200.00, 2039022.00, 12.29, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.18935 AT ( 805050.00, 2039872.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
 ALL 1ST HIGHEST VALUE IS 339.44948 AT ( 804950.00, 2039772.00, 2.35, 2.35, 0.00) DC  
 2ND HIGHEST VALUE IS 339.40510 AT ( 804900.00, 2039772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 337.12675 AT ( 804850.00, 2039772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 335.97515 AT ( 805000.00, 2039772.00, 0.01, 0.01, 0.00) DC  
 5TH HIGHEST VALUE IS 334.92727 AT ( 804900.00, 2039822.00, 2.34, 2.34, 0.00) DC  
 6TH HIGHEST VALUE IS 334.68237 AT ( 804950.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 334.52546 AT ( 805000.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 333.20246 AT ( 804800.00, 2039772.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 333.20246 AT ( 804800.00, 2039772.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 332.44441 AT ( 804850.00, 2039822.00, 3.00, 3.00, 0.00) DC

PREPASJ 1ST HIGHEST VALUE IS 339.44948 AT ( 804950.00, 2039772.00, 2.35, 2.35, 0.00) DC  
 2ND HIGHEST VALUE IS 339.40510 AT ( 804900.00, 2039772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 337.12675 AT ( 804850.00, 2039772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 335.97515 AT ( 805000.00, 2039772.00, 0.01, 0.01, 0.00) DC  
 5TH HIGHEST VALUE IS 334.92727 AT ( 804900.00, 2039822.00, 2.34, 2.34, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS	334.68237 AT (	804950.00,	2039822.00,	0.00,	0.00,	0.00)	DC
7TH HIGHEST VALUE IS	334.52546 AT (	805000.00,	2039822.00,	0.00,	0.00,	0.00)	DC
8TH HIGHEST VALUE IS	333.20246 AT (	804800.00,	2039772.00,	3.00,	3.00,	0.00)	DC
9TH HIGHEST VALUE IS	333.20246 AT (	804800.00,	2039772.00,	3.00,	3.00,	0.00)	DC
10TH HIGHEST VALUE IS	332.44441 AT (	804850.00,	2039822.00,	3.00,	3.00,	0.00)	DC
SJ56 1ST HIGHEST VALUE IS	4.98874 AT (	808800.00,	2039772.00,	2.66,	2.66,	0.00)	DC
2ND HIGHEST VALUE IS	4.96344 AT (	809050.00,	2039772.00,	0.00,	0.00,	0.00)	DC
3RD HIGHEST VALUE IS	4.89297 AT (	809050.00,	2040772.00,	0.00,	0.00,	0.00)	DC
4TH HIGHEST VALUE IS	4.87935 AT (	808550.00,	2039772.00,	0.00,	0.00,	0.00)	DC
5TH HIGHEST VALUE IS	4.84439 AT (	808800.00,	2040772.00,	0.00,	0.00,	0.00)	DC
6TH HIGHEST VALUE IS	4.81111 AT (	803300.00,	2038522.00,	10.00,	10.00,	0.00)	DC
7TH HIGHEST VALUE IS	4.73363 AT (	808550.00,	2040522.00,	0.00,	0.00,	0.00)	DC
8TH HIGHEST VALUE IS	4.73040 AT (	808300.00,	2039772.00,	2.98,	2.98,	0.00)	DC
9TH HIGHEST VALUE IS	4.73012 AT (	802800.00,	2038272.00,	12.66,	69.00,	0.00)	DC
10TH HIGHEST VALUE IS	4.71323 AT (	808550.00,	2040772.00,	0.00,	0.00,	0.00)	DC
BOILER7 1ST HIGHEST VALUE IS	103.02772 AT (	805550.00,	2038922.00,	93.08,	98.00,	0.00)	DC
2ND HIGHEST VALUE IS	98.00459 AT (	805400.00,	2039972.00,	2.32,	2.32,	0.00)	DC
3RD HIGHEST VALUE IS	96.01805 AT (	805400.00,	2039922.00,	3.00,	3.00,	0.00)	DC
4TH HIGHEST VALUE IS	95.56402 AT (	805350.00,	2039972.00,	3.00,	3.00,	0.00)	DC
5TH HIGHEST VALUE IS	94.81872 AT (	805350.00,	2039922.00,	3.00,	3.00,	0.00)	DC
6TH HIGHEST VALUE IS	93.40077 AT (	805450.00,	2039972.00,	3.00,	3.00,	0.00)	DC
7TH HIGHEST VALUE IS	91.03424 AT (	804900.00,	2039722.00,	3.00,	3.00,	0.00)	DC
8TH HIGHEST VALUE IS	90.76651 AT (	805400.00,	2040022.00,	0.98,	0.98,	0.00)	DC
9TH HIGHEST VALUE IS	90.74912 AT (	804850.00,	2039722.00,	3.00,	3.00,	0.00)	DC
10TH HIGHEST VALUE IS	90.57179 AT (	804900.00,	2039772.00,	3.00,	3.00,	0.00)	DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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BOILER8 1ST HIGHEST VALUE IS 85.76902 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 79.21291 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 3RD HIGHEST VALUE IS 78.50470 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 78.32449 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 76.40157 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 75.91614 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 75.50533 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 75.17019 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 74.04790 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 73.26275 AT ( 804900.00, 2039772.00, 3.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 176.68441 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 176.48426 AT ( 805050.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 176.27654 AT ( 805000.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 176.02329 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 175.38853 AT ( 805050.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 175.04524 AT ( 805100.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 175.01493 AT ( 804950.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 174.64670 AT ( 805100.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 174.62391 AT ( 805000.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 174.07593 AT ( 804900.00, 2039822.00, 2.34, 2.34, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 3.21147 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.16542 AT ( 805050.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.16415 AT ( 805050.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.15977 AT ( 805100.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 3.15568 AT ( 805000.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 3.14523 AT ( 805100.00, 2039822.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.14467 AT ( 805000.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.12801 AT ( 805150.00, 2039872.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.12479 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 3.12323 AT ( 804950.00, 2039822.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
ALL	1ST HIGHEST VALUE IS	296.46074	AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	286.14798	AT ( 804800.00, 2039922.00,	2.35,	2.35,	0.00)	DC
	3RD HIGHEST VALUE IS	285.98003	AT ( 804750.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	283.52614	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	283.52614	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	283.20712	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	7TH HIGHEST VALUE IS	282.89234	AT ( 804850.00, 2039922.00,	0.01,	0.01,	0.00)	DC
	8TH HIGHEST VALUE IS	280.30061	AT ( 804750.00, 2039772.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	279.97950	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	279.88346	AT ( 804900.00, 2039922.00,	0.00,	0.00,	0.00)	DC
PREPASJ	1ST HIGHEST VALUE IS	296.46074	AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	286.14798	AT ( 804800.00, 2039922.00,	2.35,	2.35,	0.00)	DC
	3RD HIGHEST VALUE IS	285.98003	AT ( 804750.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	283.52614	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	283.52614	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	283.20712	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	7TH HIGHEST VALUE IS	282.89234	AT ( 804850.00, 2039922.00,	0.01,	0.01,	0.00)	DC
	8TH HIGHEST VALUE IS	280.30061	AT ( 804750.00, 2039772.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	279.97950	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	279.88346	AT ( 804900.00, 2039922.00,	0.00,	0.00,	0.00)	DC
SJ56	1ST HIGHEST VALUE IS	4.76759	AT ( 808800.00, 2040772.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	4.71323	AT ( 808550.00, 2040772.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	4.69798	AT ( 807300.00, 2042522.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	4.67829	AT ( 809050.00, 2040772.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	4.65393	AT ( 806050.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	4.65093	AT ( 804800.00, 2042772.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	4.64549	AT ( 806050.00, 2043022.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	4.64469	AT ( 805550.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	4.63155	AT ( 804800.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	4.62298	AT ( 805550.00, 2042772.00,	0.00,	0.00,	0.00)	DC
BOILER7	1ST HIGHEST VALUE IS	101.36464	AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00)	DC
	2ND HIGHEST VALUE IS	95.99075	AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	94.69652	AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	94.07477	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	5TH HIGHEST VALUE IS	93.27544	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 90.22469 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 7TH HIGHEST VALUE IS 90.17617 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 89.44449 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 88.64277 AT ( 805400.00, 2039872.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 88.39604 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 82.26772 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 2ND HIGHEST VALUE IS 77.53899 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 77.04023 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 75.19322 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 74.67106 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 74.53555 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 74.31492 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 74.08785 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 73.29242 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 70.31822 AT ( 805350.00, 2039872.00, 3.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 172.54887 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 171.80296 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 171.37799 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 169.96100 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 169.96100 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 169.08040 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 167.73677 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 167.02260 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 163.64506 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 163.61453 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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BOILER10 1ST HIGHEST VALUE IS 3.11842 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.11019 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.11019 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.05119 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 3.02914 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 3.01974 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.98796 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.97442 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.95918 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.94841 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
 ALL 1ST HIGHEST VALUE IS 282.90437 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 2ND HIGHEST VALUE IS 281.81436 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 281.81436 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 279.10038 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 277.36722 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 277.15730 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 277.11569 AT ( 805300.00, 2039822.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 276.07306 AT ( 805300.00, 2039722.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 276.03670 AT ( 805250.00, 2039772.00, 0.98, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 275.08380 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC

PREPASJ 1ST HIGHEST VALUE IS 282.90437 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 2ND HIGHEST VALUE IS 281.81436 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 281.81436 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 279.10038 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	5TH HIGHEST VALUE IS	277.36722 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	277.15730 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	7TH HIGHEST VALUE IS	277.11569 AT ( 805300.00, 2039822.00,	3.00,	98.00,	0.00) DC
	8TH HIGHEST VALUE IS	276.07306 AT ( 805300.00, 2039722.00,	3.00,	98.00,	0.00) DC
	9TH HIGHEST VALUE IS	276.03670 AT ( 805250.00, 2039772.00,	0.98,	98.00,	0.00) DC
	10TH HIGHEST VALUE IS	275.08380 AT ( 805300.00, 2039672.00,	3.00,	98.00,	0.00) DC
SJ56	1ST HIGHEST VALUE IS	4.76759 AT ( 808800.00, 2040772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	4.67829 AT ( 809050.00, 2040772.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	4.67133 AT ( 808550.00, 2040772.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	4.65474 AT ( 807300.00, 2042522.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	4.64328 AT ( 804800.00, 2042772.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	4.62359 AT ( 806050.00, 2043022.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	4.62056 AT ( 804800.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	4.60625 AT ( 803550.00, 2042022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	4.60567 AT ( 806550.00, 2043022.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	4.59612 AT ( 806550.00, 2042772.00,	3.00,	3.00,	0.00) DC
BOILER7	1ST HIGHEST VALUE IS	97.74340 AT ( 805550.00, 2038922.00,	93.08,	98.00,	0.00) DC
	2ND HIGHEST VALUE IS	94.81451 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	94.02882 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	93.90540 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	5TH HIGHEST VALUE IS	91.71499 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	89.75560 AT ( 805400.00, 2040022.00,	0.98,	0.98,	0.00) DC
	7TH HIGHEST VALUE IS	88.65744 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	88.09681 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	88.07805 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
	10TH HIGHEST VALUE IS	86.68962 AT ( 805350.00, 2039872.00,	3.00,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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BOILER8 1ST HIGHEST VALUE IS 77.51479 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 75.20878 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 3RD HIGHEST VALUE IS 75.17300 AT ( 805550.00, 2038922.00, 93.08, 98.00, 0.00) DC  
 4TH HIGHEST VALUE IS 74.26181 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 74.05952 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 73.47994 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 73.39028 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 72.23470 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 9TH HIGHEST VALUE IS 72.08529 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 69.35732 AT ( 805350.00, 2040022.00, 0.00, 0.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 171.32547 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 169.68719 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 169.68719 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 169.04416 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 167.83524 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 167.06056 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 166.64299 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 162.73808 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 9TH HIGHEST VALUE IS 158.72785 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 158.36129 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 3.08260 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.08260 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.02865 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.02067 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 2.96283 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.95531 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 2.94382 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.93627 AT ( 805600.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.93246 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 10TH HIGHEST VALUE IS 2.90138 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 Actual Emissions 2015 \*\*\*  
 06/07/16  
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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

		** CONC OF SO2	IN MICROGRAMS/M**3				**
		NETWORK					
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE
GRID-ID							
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ALL	1ST HIGHEST VALUE IS	275.97478	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	2ND HIGHEST VALUE IS	275.93190	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	273.78416	AT ( 805300.00, 2039672.00,	3.00,	98.00,	0.00)	DC
	4TH HIGHEST VALUE IS	271.80312	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	271.80312	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	271.07664	AT ( 805350.00, 2039822.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	270.71300	AT ( 805300.00, 2039722.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	270.59146	AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	9TH HIGHEST VALUE IS	270.36928	AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	270.16556	AT ( 805250.00, 2039672.00,	3.00,	98.00,	0.00)	DC
PREPASJ	1ST HIGHEST VALUE IS	275.97478	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC
	2ND HIGHEST VALUE IS	275.93190	AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	273.78416	AT ( 805300.00, 2039672.00,	3.00,	98.00,	0.00)	DC
	4TH HIGHEST VALUE IS	271.80312	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	271.80312	AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	271.07664	AT ( 805350.00, 2039822.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	270.71300	AT ( 805300.00, 2039722.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	270.59146	AT ( 805350.00, 2039622.00,	3.00,	98.00,	0.00)	DC
	9TH HIGHEST VALUE IS	270.36928	AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	270.16556	AT ( 805250.00, 2039672.00,	3.00,	98.00,	0.00)	DC
SJ56	1ST HIGHEST VALUE IS	4.59504	AT ( 806550.00, 2043022.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	4.58287	AT ( 804800.00, 2042772.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	4.54805	AT ( 806550.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	4.54646	AT ( 807300.00, 2042522.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	4.52938	AT ( 804800.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	4.52471	AT ( 805300.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	4.50685	AT ( 804800.00, 2042522.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	4.49745	AT ( 806550.00, 2043272.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	4.49547	AT ( 806800.00, 2043022.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	4.48998	AT ( 805550.00, 2043022.00,	0.00,	0.00,	0.00)	DC
BOILER7	1ST HIGHEST VALUE IS	94.08674	AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	93.48303	AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	89.98204	AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

4TH HIGHEST VALUE IS 88.02481 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 86.60372 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 6TH HIGHEST VALUE IS 86.07571 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 85.66365 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 84.61756 AT ( 805350.00, 2039872.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 83.87425 AT ( 805300.00, 2039872.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 83.62033 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 75.23230 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 72.81648 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 72.57689 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 71.54288 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 5TH HIGHEST VALUE IS 70.60616 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 70.49946 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 69.17074 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 8TH HIGHEST VALUE IS 68.53529 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 66.95606 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 66.74718 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 169.40041 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 167.33747 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 167.33747 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 164.88611 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 161.60476 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 160.46063 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 158.59692 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC  
 8TH HIGHEST VALUE IS 157.69990 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

9TH HIGHEST VALUE IS 155.63413 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 155.54782 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 3.01015 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.01015 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 2.97498 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 2.92710 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.90206 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.86682 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 2.84176 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.83315 AT ( 805600.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.80995 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 10TH HIGHEST VALUE IS 2.78164 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 275.37006 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 273.68649 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 273.56864 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 271.45943 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 271.45943 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 270.16968 AT ( 805400.00, 2039572.00, 3.00, 98.00, 0.00) DC  
 7TH HIGHEST VALUE IS 270.15470 AT ( 805300.00, 2039722.00, 3.00, 98.00, 0.00) DC  
 8TH HIGHEST VALUE IS 269.84461 AT ( 805250.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 9TH HIGHEST VALUE IS 269.57732 AT ( 805350.00, 2039722.00, 3.00, 98.00, 0.00) DC  
 10TH HIGHEST VALUE IS 269.21539 AT ( 805300.00, 2039622.00, 3.00, 98.00, 0.00) DC  
 PREPASJ 1ST HIGHEST VALUE IS 275.37006 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 273.68649 AT ( 805300.00, 2039672.00, 3.00, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 273.56864 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 271.45943 AT ( 805300.00, 2039772.00, 3.00, 98.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	5TH HIGHEST VALUE IS	271.45943 AT ( 805300.00, 2039772.00,	3.00,	98.00,	0.00) DC
	6TH HIGHEST VALUE IS	270.16968 AT ( 805400.00, 2039572.00,	3.00,	98.00,	0.00) DC
	7TH HIGHEST VALUE IS	270.15470 AT ( 805300.00, 2039722.00,	3.00,	98.00,	0.00) DC
	8TH HIGHEST VALUE IS	269.84461 AT ( 805250.00, 2039672.00,	3.00,	98.00,	0.00) DC
	9TH HIGHEST VALUE IS	269.57732 AT ( 805350.00, 2039722.00,	3.00,	98.00,	0.00) DC
	10TH HIGHEST VALUE IS	269.21539 AT ( 805300.00, 2039622.00,	3.00,	98.00,	0.00) DC
SJ56	1ST HIGHEST VALUE IS	4.56350 AT ( 804800.00, 2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	4.54841 AT ( 806550.00, 2043022.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	4.54295 AT ( 806550.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	4.52923 AT ( 804800.00, 2043022.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	4.51136 AT ( 805300.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	4.50194 AT ( 804800.00, 2042522.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	4.48076 AT ( 805300.00, 2042772.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	4.47922 AT ( 805550.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	4.47523 AT ( 806550.00, 2043272.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	4.47369 AT ( 804550.00, 2043272.00,	0.00,	0.00,	0.00) DC
BOILER7	1ST HIGHEST VALUE IS	93.68208 AT ( 805400.00, 2039922.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	90.31180 AT ( 805350.00, 2039922.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	88.85259 AT ( 805400.00, 2039972.00,	2.32,	2.32,	0.00) DC
	4TH HIGHEST VALUE IS	87.89044 AT ( 805350.00, 2039972.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	85.23921 AT ( 805300.00, 2039922.00,	1.01,	1.01,	0.00) DC
	6TH HIGHEST VALUE IS	84.45782 AT ( 805450.00, 2039972.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	84.40296 AT ( 805450.00, 2039922.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	83.38008 AT ( 805350.00, 2039872.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	83.27989 AT ( 805300.00, 2039872.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	83.16908 AT ( 805300.00, 2039972.00,	1.00,	3.00,	0.00) DC

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 06/07/16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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BOILER8 1ST HIGHEST VALUE IS 73.32081 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 72.80980 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 71.33043 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 70.54129 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 69.94435 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 69.78598 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 68.32171 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 8TH HIGHEST VALUE IS 68.21904 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 66.64215 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 66.56821 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 165.43412 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 165.43412 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 165.38808 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 4TH HIGHEST VALUE IS 163.01934 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 160.29428 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 159.67968 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 156.44050 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 154.83577 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 154.27523 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 154.13035 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 2.97232 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 2.94232 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 2.94232 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.90325 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.89288 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.85479 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 7TH HIGHEST VALUE IS 2.80498 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.80050 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 2.77906 AT ( 805600.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.77736 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 Actual Emissions 2015 \*\*\*

06/07/16

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

		NETWORK							
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE							
GRID-ID									
ALL	1ST HIGHEST VALUE IS	273.89135	AT (	805350.00,	2039972.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	273.57815	AT (	805300.00,	2039672.00,	3.00,	98.00,	0.00)	DC
	3RD HIGHEST VALUE IS	272.45978	AT (	805400.00,	2039972.00,	2.32,	2.32,	0.00)	DC
	4TH HIGHEST VALUE IS	269.69597	AT (	805300.00,	2039722.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	269.30143	AT (	805400.00,	2039572.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	269.27776	AT (	805250.00,	2039672.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	269.20321	AT (	805300.00,	2039772.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	269.20321	AT (	805300.00,	2039772.00,	3.00,	98.00,	0.00)	DC
	9TH HIGHEST VALUE IS	268.68619	AT (	805350.00,	2039722.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	268.56457	AT (	805300.00,	2039622.00,	3.00,	98.00,	0.00)	DC
PREPASJ	1ST HIGHEST VALUE IS	273.89135	AT (	805350.00,	2039972.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	273.57815	AT (	805300.00,	2039672.00,	3.00,	98.00,	0.00)	DC
	3RD HIGHEST VALUE IS	272.45978	AT (	805400.00,	2039972.00,	2.32,	2.32,	0.00)	DC
	4TH HIGHEST VALUE IS	269.69597	AT (	805300.00,	2039722.00,	3.00,	98.00,	0.00)	DC
	5TH HIGHEST VALUE IS	269.30143	AT (	805400.00,	2039572.00,	3.00,	98.00,	0.00)	DC
	6TH HIGHEST VALUE IS	269.27776	AT (	805250.00,	2039672.00,	3.00,	98.00,	0.00)	DC
	7TH HIGHEST VALUE IS	269.20321	AT (	805300.00,	2039772.00,	3.00,	98.00,	0.00)	DC
	8TH HIGHEST VALUE IS	269.20321	AT (	805300.00,	2039772.00,	3.00,	98.00,	0.00)	DC
	9TH HIGHEST VALUE IS	268.68619	AT (	805350.00,	2039722.00,	3.00,	98.00,	0.00)	DC
	10TH HIGHEST VALUE IS	268.56457	AT (	805300.00,	2039622.00,	3.00,	98.00,	0.00)	DC
SJ56	1ST HIGHEST VALUE IS	4.56324	AT (	804800.00,	2042772.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	4.53254	AT (	806550.00,	2042772.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	4.49810	AT (	806550.00,	2043022.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	4.48717	AT (	805300.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	4.48504	AT (	804800.00,	2042522.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	4.46929	AT (	805300.00,	2042772.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	4.46848	AT (	804800.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	4.46185	AT (	804550.00,	2043272.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	4.45106	AT (	804550.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	4.44474	AT (	806800.00,	2043272.00,	3.00,	3.00,	0.00)	DC
BOILER7	1ST HIGHEST VALUE IS	93.11460	AT (	805400.00,	2039922.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	89.78994	AT (	805350.00,	2039922.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	88.65785	AT (	805400.00,	2039972.00,	2.32,	2.32,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

4TH HIGHEST VALUE IS 87.47135 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 84.98360 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 6TH HIGHEST VALUE IS 83.19444 AT ( 805350.00, 2039872.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 82.97674 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 82.78949 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 82.46899 AT ( 805300.00, 2039872.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 82.45922 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA San Juan SO2 Actual Emissions 2015 \*\*\*  
 06/07/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:54:28

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

BOILER8 1ST HIGHEST VALUE IS 72.37731 AT ( 805400.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 71.80685 AT ( 805350.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 71.10510 AT ( 805400.00, 2039972.00, 2.32, 2.32, 0.00) DC  
 4TH HIGHEST VALUE IS 70.10536 AT ( 805450.00, 2039922.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 69.86014 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 69.75030 AT ( 805350.00, 2039972.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 68.06334 AT ( 805300.00, 2039922.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 67.66852 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 9TH HIGHEST VALUE IS 66.51420 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 66.51145 AT ( 805300.00, 2039972.00, 1.00, 3.00, 0.00) DC

BOILER9 1ST HIGHEST VALUE IS 165.22131 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 164.62176 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 164.62176 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 162.68832 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 159.78239 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 6TH HIGHEST VALUE IS 159.18109 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 155.59322 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 8TH HIGHEST VALUE IS 154.25967 AT ( 805450.00, 2039972.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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9TH HIGHEST VALUE IS 153.94383 AT ( 805400.00, 2040022.00, 0.98, 0.98, 0.00) DC  
 10TH HIGHEST VALUE IS 153.30964 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

BOILER10 1ST HIGHEST VALUE IS 2.92100 AT ( 805500.00, 2040022.00, 1.02, 1.02, 0.00) DC  
 2ND HIGHEST VALUE IS 2.89632 AT ( 805450.00, 2040022.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 2.89099 AT ( 805550.00, 2040072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.85246 AT ( 805500.00, 2040072.00, 1.02, 1.02, 0.00) DC  
 5TH HIGHEST VALUE IS 2.84295 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.84295 AT ( 805550.00, 2040022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.79287 AT ( 805550.00, 2040122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.79201 AT ( 805450.00, 2040072.00, 1.01, 1.01, 0.00) DC  
 9TH HIGHEST VALUE IS 2.77720 AT ( 805500.00, 2040122.00, 1.02, 1.02, 0.00) DC

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA San Juan SO2 Actual Emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)  
 A Total of 2 Warning Message(s)  
 A Total of 293 Informational Message(s)  
  
 A Total of 8760 Hours Were Processed  
  
 A Total of 193 Calm Hours Identified  
  
 A Total of 100 Missing Hours Identified ( 1.14 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

OU W273 3018 OUMAXD\_CONT: Range of ranks for MAXDCONT THRESH Opt is limited: Max Rank = 9  
 CN W415 8761 MAXDCONT\_LOO: MAXDCONT THRESH not reached within range of ranks GRP ALL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Palo Seco 2013**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
06/08/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:59:12  
PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 7 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 434374.0 ; 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. Half-life of 4 hrs for URBAN SO<sub>2</sub>.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO<sub>2</sub>

\*\*Note that special processing requirements apply for the 1-hour SO<sub>2</sub> NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

---

\*\*This Run Includes: 7 Source(s); 9 Source Group(s); and 1536 Receptor(s)

with: 7 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 454.5 MB of RAM.

\*\*Input Runstream File: PREPAPS2013SO2\_2013\_SO2.DTA

\*\*Output Print File: PREPAPS2013SO2\_2013\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
Documents\INFORMES\SO2Designation2016withactualemi2013to2015\PaloSeco\

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
06/08/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 09:59:12

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
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1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 111111

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

Surface file: sju13.sfc Met Version: 15181  
Profile file: sju13.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2013 Year: 2013

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  
13 01 01 1 01 -53.4 0.518 -9.000 -9.000 -999. 895. 236.4 0.10 0.42 1.00 6.24 82. 10.0 297.0 2.0

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

13 01 01	1 02	-42.4	0.413	-9.000	-9.000	-999.	646.	150.8	0.10	0.42	1.00	5.10	86.	10.0	298.1	2.0
13 01 01	1 03	-34.3	0.333	-9.000	-9.000	-999.	465.	97.5	0.10	0.42	1.00	4.26	95.	10.0	297.0	2.0
13 01 01	1 04	-16.3	0.158	-9.000	-9.000	-999.	178.	21.9	0.48	0.42	1.00	2.10	123.	10.0	297.0	2.0
13 01 01	1 05	-31.9	0.310	-9.000	-9.000	-999.	414.	84.7	0.10	0.42	1.00	4.03	85.	10.0	297.0	2.0
13 01 01	1 06	-33.3	0.322	-9.000	-9.000	-999.	439.	91.0	0.48	0.42	1.00	2.89	109.	10.0	295.9	2.0
13 01 01	1 07	-49.1	0.474	-9.000	-9.000	-999.	782.	197.0	0.48	0.42	1.00	3.90	107.	10.0	295.9	2.0
13 01 01	1 08	-2.5	0.484	-9.000	-9.000	-999.	807.	4075.0	0.48	0.42	0.45	3.69	99.	10.0	295.9	2.0
13 01 01	1 09	32.5	0.391	0.561	0.005	197.	593.	-167.1	0.10	0.42	0.23	4.32	92.	10.0	297.0	2.0
13 01 01	1 10	62.5	0.691	0.896	0.006	419.	1379.	-480.8	0.10	0.42	0.17	7.83	58.	10.0	295.9	2.0
13 01 01	1 11	85.4	0.552	1.122	0.005	603.	1006.	-179.0	0.10	0.42	0.15	6.11	59.	10.0	297.0	2.0
13 01 01	1 12	100.2	0.537	1.283	0.005	769.	947.	-140.9	0.10	0.42	0.15	5.90	58.	10.0	300.4	2.0
13 01 01	1 13	104.4	0.724	1.374	0.006	905.	1477.	-330.5	0.10	0.42	0.14	8.15	81.	10.0	300.4	2.0
13 01 01	1 14	122.5	0.753	1.517	0.006	1038.	1566.	-316.9	0.10	0.42	0.15	8.47	77.	10.0	300.4	2.0
13 01 01	1 15	104.2	0.747	1.483	0.006	1140.	1549.	-362.9	0.10	0.42	0.15	8.42	75.	10.0	300.4	2.0
13 01 01	1 16	74.6	0.674	1.353	0.005	1207.	1337.	-372.0	0.10	0.42	0.17	7.60	73.	10.0	300.4	2.0
13 01 01	1 17	35.4	0.637	1.064	0.005	1238.	1224.	-663.6	0.10	0.42	0.24	7.25	82.	10.0	300.4	2.0
13 01 01	1 18	-24.5	0.496	-9.000	-9.000	-999.	859.	452.8	0.10	0.42	0.49	5.85	82.	10.0	299.2	2.0
13 01 01	1 19	-44.7	0.435	-9.000	-9.000	-999.	694.	167.6	0.10	0.42	1.00	5.34	85.	10.0	298.1	2.0
13 01 01	1 20	-27.8	0.271	-9.000	-9.000	-999.	359.	64.7	0.10	0.42	1.00	3.64	92.	10.0	298.1	2.0
13 01 01	1 21	-40.7	0.396	-9.000	-9.000	-999.	598.	138.7	0.10	0.42	1.00	4.92	81.	10.0	298.1	2.0
13 01 01	1 22	-45.3	0.440	-9.000	-9.000	-999.	700.	171.2	0.10	0.42	1.00	5.39	79.	10.0	298.1	2.0
13 01 01	1 23	-33.3	0.324	-9.000	-9.000	-999.	452.	92.9	0.10	0.42	1.00	4.17	87.	10.0	298.1	2.0
13 01 01	1 24	-25.6	0.249	-9.000	-9.000	-999.	302.	55.0	0.10	0.42	1.00	3.44	92.	10.0	298.1	2.0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 13 01 01 01 10.0 1 82. 6.24 297.1 99.0 -99.00 -99.00

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

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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

-----

ALL    1ST HIGHEST VALUE IS    216.34430 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS    216.34430 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS    216.28143 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS    216.28143 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS    214.78036 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS    214.78036 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS    213.45785 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS    213.45785 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS    207.82032 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS    207.82032 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS    216.34430 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS    216.34430 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS    216.28143 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS    216.28143 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS    214.78036 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS    214.78036 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS    213.45785 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS    213.45785 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS    207.82032 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS    207.82032 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS1    1ST HIGHEST VALUE IS    42.86479 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS    42.86479 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS    42.57410 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS    42.57410 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS    42.50459 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS    42.50459 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS    42.50459 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS    42.46896 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS    42.46896 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS    41.89652 AT ( 800800.00, 2043172.00, 0.00, 0.00, 0.00) DC

PS2    1ST HIGHEST VALUE IS    35.72744 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS    35.72744 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS    35.21144 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS    35.21144 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS    35.02782 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS    35.02782 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 35.01646 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 35.01646 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 34.78494 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 34.78494 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS 30.65930 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 30.65930 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 30.23734 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 30.23734 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 30.20210 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 30.20210 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 30.09312 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 30.09312 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 29.09510 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 29.09510 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS4 1ST HIGHEST VALUE IS 113.11731 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 113.11731 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 112.88595 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 112.88595 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 110.18078 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 110.18078 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 109.11953 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 109.11953 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 108.96821 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 108.96821 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

GT1 1ST HIGHEST VALUE IS 0.01509 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.01453 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.01453 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.01400 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 5TH HIGHEST VALUE IS 0.01372 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 6TH HIGHEST VALUE IS 0.01372 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 7TH HIGHEST VALUE IS 0.01368 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.01368 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.01319 AT ( 800900.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.01319 AT ( 800900.00, 2042722.00, 3.00, 3.00, 0.00) DC

GT2 1ST HIGHEST VALUE IS 0.03007 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.03007 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.03006 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.02859 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 5TH HIGHEST VALUE IS 0.02788 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 6TH HIGHEST VALUE IS 0.02788 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 7TH HIGHEST VALUE IS 0.02655 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 8TH HIGHEST VALUE IS 0.02655 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.02641 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.02641 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3 1ST HIGHEST VALUE IS 0.02516 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.02516 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.02380 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 4TH HIGHEST VALUE IS 0.02372 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.02348 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.02348 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 7TH HIGHEST VALUE IS 0.02301 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 8TH HIGHEST VALUE IS 0.02301 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.02216 AT ( 800850.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.02216 AT ( 800850.00, 2042722.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 204.98325 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 204.98325 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 204.78788 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 204.78788 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 203.90555 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 203.90555 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 203.70855 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 203.70855 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 203.66111 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 203.66111 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 204.98325 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 204.98325 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 204.78788 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 204.78788 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 203.90555 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 203.90555 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 203.70855 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 203.70855 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 203.66111 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 203.66111 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

PS1 1ST HIGHEST VALUE IS 41.06760 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 41.06760 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 40.92646 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 40.92646 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 40.88536 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 40.88536 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 40.43727 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 40.43727 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 40.04707 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 40.04707 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 34.40856 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 34.40856 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 33.53734 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 33.53734 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 33.51209 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 33.51209 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 33.40452 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 33.40452 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 33.35734 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 33.35734 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:59:12

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS 29.33763 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 29.33763 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 29.06409 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 29.06409 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 28.89420 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	6TH HIGHEST VALUE IS	28.89420 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	28.57764 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	28.57764 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	28.54890 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	28.54890 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	108.13686 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	108.13686 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	107.37563 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	107.37563 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	105.74553 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	105.74553 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	105.30681 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	105.30681 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	104.71084 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	104.71084 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.01408 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.01399 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.01399 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.01303 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.01303 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.01289 AT ( 800798.73, 2042879.25,	2.27,	2.27,	0.00) DC
	7TH HIGHEST VALUE IS	0.01280 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	8TH HIGHEST VALUE IS	0.01269 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.01269 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	10TH HIGHEST VALUE IS	0.01261 AT ( 800750.00, 2042872.00,	0.98,	3.00,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.02848 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02848 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02774 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.02654 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	5TH HIGHEST VALUE IS	0.02654 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.02604 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.02604 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.02593 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	9TH HIGHEST VALUE IS	0.02566 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02566 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013

\*\*\*

06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation

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09:59:12

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

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GT3	1ST HIGHEST VALUE IS	0.02344 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02344 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02272 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	4TH HIGHEST VALUE IS	0.02272 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	5TH HIGHEST VALUE IS	0.02268 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	6TH HIGHEST VALUE IS	0.02242 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.02188 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.02188 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.02112 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02112 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 09:59:12

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

ALL	1ST HIGHEST VALUE IS	204.20351 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	204.20351 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	203.21978 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	203.21978 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	202.28423 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 202.28423 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 202.10518 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 202.10518 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 200.14705 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 200.14705 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 204.20351 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 204.20351 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 203.21978 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 203.21978 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 202.28423 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 202.28423 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 202.10518 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 202.10518 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 200.14705 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 200.14705 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 40.42722 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 40.42722 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 40.16530 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 40.16530 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 40.06559 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 40.06559 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 39.89208 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 39.89208 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 39.57291 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 39.57291 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 33.26147 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 33.26147 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 33.23786 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 33.23786 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 33.12829 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 33.12829 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 33.10250 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 33.10250 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 32.98524 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 32.98524 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
 06/08/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:59:12



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
		NETWORK				
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
GRID-ID						
PS3	1ST HIGHEST VALUE IS	28.71016	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	28.71016	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	28.61047	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS	28.61047	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS	28.53653	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	28.53653	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS	28.25456	AT (	800700.00,	2043072.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS	28.25456	AT (	800700.00,	2043072.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS	28.05050	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS	28.05050	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
PS4	1ST HIGHEST VALUE IS	107.05126	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	107.05126	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	105.55711	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS	105.55711	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS	105.26683	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	105.26683	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS	103.23543	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS	103.23543	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS	103.09717	AT (	800600.00,	2043122.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS	103.09717	AT (	800600.00,	2043122.00,	0.00, 0.00, 0.00) DC
GT1	1ST HIGHEST VALUE IS	0.01369	AT (	800757.02,	2042811.47,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.01343	AT (	800750.00,	2042822.00,	3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.01343	AT (	800750.00,	2042822.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.01267	AT (	800650.00,	2042772.00,	2.99, 2.99, 0.00) DC
	5TH HIGHEST VALUE IS	0.01267	AT (	800650.00,	2042772.00,	2.99, 2.99, 0.00) DC
	6TH HIGHEST VALUE IS	0.01253	AT (	800700.00,	2042772.00,	3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.01253	AT (	800700.00,	2042772.00,	3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.01244	AT (	800700.00,	2042822.00,	1.99, 1.99, 0.00) DC
	9TH HIGHEST VALUE IS	0.01244	AT (	800700.00,	2042822.00,	1.99, 1.99, 0.00) DC
	10TH HIGHEST VALUE IS	0.01231	AT (	800749.20,	2042842.75,	2.94, 2.94, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GT2	1ST HIGHEST VALUE IS	0.02770 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02692 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02692 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.02622 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	5TH HIGHEST VALUE IS	0.02622 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.02555 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.02555 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.02535 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	9TH HIGHEST VALUE IS	0.02510 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02510 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3	1ST HIGHEST VALUE IS	0.02291 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02291 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02258 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	4TH HIGHEST VALUE IS	0.02198 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	5TH HIGHEST VALUE IS	0.02198 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.02171 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.02100 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.02100 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.02080 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02080 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 09:59:12

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

ALL 1ST HIGHEST VALUE IS 202.43276 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 202.43276 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 202.09104 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 202.09104 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 200.55620 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 200.55620 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 200.06578 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 200.06578 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 199.74329 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 199.74329 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 202.43276 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 202.43276 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 202.09104 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 202.09104 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 200.55620 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 200.55620 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 200.06578 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 200.06578 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 199.74329 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 199.74329 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 40.05180 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 40.05180 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 40.05071 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 40.05071 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 39.81205 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 39.81205 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 39.52001 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 39.52001 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 39.35228 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 39.35228 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

PS2 1ST HIGHEST VALUE IS 33.11637 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 33.11637 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 33.05960 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 33.05960 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 32.90622 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 32.90622 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 32.81157 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 32.81157 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 32.51855 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 32.51855 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*

06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:59:12

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS 28.30103 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 28.30103 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 28.24711 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 28.24711 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 28.14097 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 28.14097 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 28.00769 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 28.00769 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 27.96938 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 27.96938 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS4 1ST HIGHEST VALUE IS 104.85236 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 104.85236 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 104.33425 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 104.33425 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 104.02123 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	6TH HIGHEST VALUE IS	104.02123 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	102.35653 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	102.35653 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	102.27540 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	102.27540 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.01289 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.01289 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.01269 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.01243 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.01243 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.01219 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.01213 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.01213 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.01205 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.01205 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.02619 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02619 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02602 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.02514 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	5TH HIGHEST VALUE IS	0.02463 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.02463 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.02460 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.02460 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.02457 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02457 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
06/08/16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GT3	1ST HIGHEST VALUE IS	0.02154 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02137 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02137 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.02091 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	5TH HIGHEST VALUE IS	0.02091 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.02087 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.02087 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.02041 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.02041 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02036 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL	1ST HIGHEST VALUE IS	201.34533 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	201.34533 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	200.51128 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	200.51128 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	200.47779 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	200.47779 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	199.41985 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	199.41985 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	196.86019 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	196.86019 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC

PALOSECO	1ST HIGHEST VALUE IS	201.34533 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	201.34533 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	200.51128 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	200.51128 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	200.47779 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	6TH HIGHEST VALUE IS	200.47779 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	199.41985 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	199.41985 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	196.86019 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	196.86019 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS1	1ST HIGHEST VALUE IS	40.00959 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	40.00959 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	39.67758 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	39.67758 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	39.53914 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	39.53914 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	39.35535 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	39.35535 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	39.19503 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	39.19503 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
PS2	1ST HIGHEST VALUE IS	32.95987 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	32.95987 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	32.69851 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	32.69851 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	32.51148 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	32.51148 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	32.49349 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	32.49349 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	32.22661 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	32.22661 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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PS3	1ST HIGHEST VALUE IS	28.10960 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	28.10960 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	27.89574 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	27.89574 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	27.83064 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	27.83064 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	27.72852 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	27.72852 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	27.59164 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	27.59164 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	103.92400 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	103.92400 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	103.26676 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	103.26676 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	103.01258 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	103.01258 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	102.15226 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	102.15226 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	102.08790 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	102.08790 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.01248 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.01242 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.01242 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.01216 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.01204 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.01204 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.01203 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.01203 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.01203 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.01193 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.02513 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.02513 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.02459 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.02459 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.02457 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.02442 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.02428 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	8TH HIGHEST VALUE IS	0.02428 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.02428 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02356 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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GT3	1ST HIGHEST VALUE IS	0.02059 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.02059 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.02026 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.02026 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.02026 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.02026 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.02020 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC
	8TH HIGHEST VALUE IS	0.02020 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC
	9TH HIGHEST VALUE IS	0.02006 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.02005 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
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 \*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 09:59:12  
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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL	1ST HIGHEST VALUE IS	201.00624 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC
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Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	201.00624 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	198.71886 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	198.71886 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	198.40609 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	198.40609 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	197.40762 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	197.40762 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	196.20178 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	196.20178 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	PALOSECO 1ST HIGHEST VALUE IS 201.00624 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC				
	2ND HIGHEST VALUE IS	201.00624 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	198.71886 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	198.71886 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	198.40609 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	198.40609 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	197.40762 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	197.40762 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	196.20178 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	196.20178 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS1	1ST HIGHEST VALUE IS	39.67585 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	39.67585 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	39.46558 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	39.46558 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	39.31659 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	39.31659 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	38.84902 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	38.84902 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	38.83983 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	38.83983 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
PS2	1ST HIGHEST VALUE IS	32.85435 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	32.85435 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	32.67068 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	32.67068 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	32.48772 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	32.48772 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	32.48442 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	32.48442 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	31.99019 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	31.99019 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
PS3	1ST HIGHEST VALUE IS 27.97209 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 27.97209 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 27.82647 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 27.82647 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 27.74537 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 27.74537 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 27.59404 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 27.59404 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 27.47172 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 27.47172 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
PS4	1ST HIGHEST VALUE IS 103.88528 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 103.88528 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 103.13097 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 103.13097 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 102.71094 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 102.71094 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 101.76463 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 101.76463 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 101.66204 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 101.66204 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00)	DC	
GT1	1ST HIGHEST VALUE IS 0.01239 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.01214 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.01202 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.01202 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.01200 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00)	DC	

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6TH HIGHEST VALUE IS	0.01200 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
7TH HIGHEST VALUE IS	0.01200 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	0.01195 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	0.01195 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	0.01191 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
GT2 1ST HIGHEST VALUE IS	0.02477 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	0.02477 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	0.02451 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
4TH HIGHEST VALUE IS	0.02444 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	0.02444 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
6TH HIGHEST VALUE IS	0.02430 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
7TH HIGHEST VALUE IS	0.02412 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	0.02412 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	0.02349 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	0.02349 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC

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\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3 1ST HIGHEST VALUE IS	0.02043 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	0.02043 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	0.02021 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
4TH HIGHEST VALUE IS	0.02021 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	0.02017 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
6TH HIGHEST VALUE IS	0.02017 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
7TH HIGHEST VALUE IS	0.02003 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	0.01999 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	0.01996 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
10TH HIGHEST VALUE IS	0.01996 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 199.96883 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 199.96883 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 197.66313 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 197.66313 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 196.35258 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 196.35258 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 195.66201 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 195.66201 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 195.61069 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 195.61069 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 199.96883 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 199.96883 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 197.66313 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 197.66313 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 196.35258 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 196.35258 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 195.66201 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 195.66201 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 195.61069 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 195.61069 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 39.18269 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 39.18269 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 38.96791 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 38.96791 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 38.86031 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC

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6TH HIGHEST VALUE IS	38.86031 AT ( 800750.00, 2043022.00,	0.00, 0.00, 0.00) DC
7TH HIGHEST VALUE IS	38.83105 AT ( 800800.00, 2043072.00,	0.00, 0.00, 0.00) DC
8TH HIGHEST VALUE IS	38.83105 AT ( 800800.00, 2043072.00,	0.00, 0.00, 0.00) DC
9TH HIGHEST VALUE IS	38.28269 AT ( 800750.00, 2043122.00,	0.00, 0.00, 0.00) DC
10TH HIGHEST VALUE IS	38.28269 AT ( 800750.00, 2043122.00,	0.00, 0.00, 0.00) DC
PS2 1ST HIGHEST VALUE IS	32.54569 AT ( 800700.00, 2043072.00,	0.00, 0.00, 0.00) DC
2ND HIGHEST VALUE IS	32.54569 AT ( 800700.00, 2043072.00,	0.00, 0.00, 0.00) DC
3RD HIGHEST VALUE IS	32.53115 AT ( 800750.00, 2043072.00,	0.00, 0.00, 0.00) DC
4TH HIGHEST VALUE IS	32.53115 AT ( 800750.00, 2043072.00,	0.00, 0.00, 0.00) DC
5TH HIGHEST VALUE IS	31.83757 AT ( 800650.00, 2043072.00,	0.00, 0.00, 0.00) DC
6TH HIGHEST VALUE IS	31.83757 AT ( 800650.00, 2043072.00,	0.00, 0.00, 0.00) DC
7TH HIGHEST VALUE IS	31.73599 AT ( 800750.00, 2043022.00,	0.00, 0.00, 0.00) DC
8TH HIGHEST VALUE IS	31.73599 AT ( 800750.00, 2043022.00,	0.00, 0.00, 0.00) DC
9TH HIGHEST VALUE IS	31.69052 AT ( 800700.00, 2043122.00,	0.00, 0.00, 0.00) DC
10TH HIGHEST VALUE IS	31.69052 AT ( 800700.00, 2043122.00,	0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS	27.80867 AT ( 800650.00, 2043072.00,	0.00, 0.00, 0.00) DC
2ND HIGHEST VALUE IS	27.80867 AT ( 800650.00, 2043072.00,	0.00, 0.00, 0.00) DC
3RD HIGHEST VALUE IS	27.76685 AT ( 800600.00, 2043072.00,	0.00, 0.00, 0.00) DC
4TH HIGHEST VALUE IS	27.76685 AT ( 800600.00, 2043072.00,	0.00, 0.00, 0.00) DC
5TH HIGHEST VALUE IS	27.50035 AT ( 800700.00, 2043072.00,	0.00, 0.00, 0.00) DC
6TH HIGHEST VALUE IS	27.50035 AT ( 800700.00, 2043072.00,	0.00, 0.00, 0.00) DC
7TH HIGHEST VALUE IS	27.40530 AT ( 800650.00, 2043122.00,	0.00, 0.00, 0.00) DC
8TH HIGHEST VALUE IS	27.40530 AT ( 800650.00, 2043122.00,	0.00, 0.00, 0.00) DC
9TH HIGHEST VALUE IS	27.31681 AT ( 800700.00, 2043122.00,	0.00, 0.00, 0.00) DC
10TH HIGHEST VALUE IS	27.31681 AT ( 800700.00, 2043122.00,	0.00, 0.00, 0.00) DC

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PS4 1ST HIGHEST VALUE IS 102.93505 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 102.93505 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 102.36190 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 102.36190 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 101.28983 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 101.28983 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 101.25790 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 101.25790 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 101.02983 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 101.02983 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC

GT1 1ST HIGHEST VALUE IS 0.01210 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.01202 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.01189 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.01189 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.01184 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.01184 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.01179 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.01179 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.01179 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.01175 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC

GT2 1ST HIGHEST VALUE IS 0.02408 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.02408 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.02402 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.02402 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.02397 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.02397 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.02390 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.02388 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.02329 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.02329 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GT3	1ST HIGHEST VALUE IS	0.02013	AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.02013	AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.02000	AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.02000	AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.01993	AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.01993	AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.01988	AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.01983	AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC
	9TH HIGHEST VALUE IS	0.01983	AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC
	10TH HIGHEST VALUE IS	0.01974	AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2013 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
ALL	1ST HIGHEST VALUE IS	199.49000	AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	199.49000	AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	197.06118	AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	197.06118	AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	196.35038	AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	196.35038	AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	195.31180	AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	195.31180	AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	192.48389	AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	192.48389	AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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PALOSECO	1ST HIGHEST VALUE IS	199.49000 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	199.49000 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	197.06118 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	197.06118 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	196.35038 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	196.35038 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	195.31180 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	195.31180 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	192.48389 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	192.48389 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS1	1ST HIGHEST VALUE IS	39.17132 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	39.17132 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	38.95951 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	38.95951 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	38.57132 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	38.57132 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	38.38506 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	38.38506 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	38.05689 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	38.05689 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS2	1ST HIGHEST VALUE IS	32.47941 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	32.47941 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	32.24919 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	32.24919 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	31.81924 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	31.81924 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	31.57362 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	31.57362 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	31.42482 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	31.42482 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3	1ST HIGHEST VALUE IS	27.80523 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	27.80523 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	27.59557 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	27.59557 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	27.34580 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	27.34580 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	27.28876 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	27.28876 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	27.21584 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	27.21584 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
PS4	1ST HIGHEST VALUE IS	102.75379 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	102.75379 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	102.18859 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	102.18859 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	101.24396 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	101.24396 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	101.11857 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	101.11857 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	100.71016 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	100.71016 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00)	DC
GT1	1ST HIGHEST VALUE IS	0.01194 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.01186 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.01184 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.01184 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.01182 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS	0.01182 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
7TH HIGHEST VALUE IS	0.01178 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	0.01178 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	0.01178 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	0.01160 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
GT2 1ST HIGHEST VALUE IS	0.02399 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	0.02399 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	0.02386 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
4TH HIGHEST VALUE IS	0.02386 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	0.02381 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
6TH HIGHEST VALUE IS	0.02379 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
7TH HIGHEST VALUE IS	0.02374 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
8TH HIGHEST VALUE IS	0.02374 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	0.02322 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	0.02322 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3 1ST HIGHEST VALUE IS	0.01991 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
2ND HIGHEST VALUE IS	0.01991 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
3RD HIGHEST VALUE IS	0.01989 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
4TH HIGHEST VALUE IS	0.01989 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
5TH HIGHEST VALUE IS	0.01987 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
6TH HIGHEST VALUE IS	0.01980 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
7TH HIGHEST VALUE IS	0.01980 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
8TH HIGHEST VALUE IS	0.01975 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
9TH HIGHEST VALUE IS	0.01975 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
10TH HIGHEST VALUE IS	0.01968 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2013

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 597 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 417 Calm Hours Identified

A Total of 180 Missing Hours Identified ( 2.05 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Palo Seco 2014**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:22:27  
PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 6 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 434374.0 ; 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. Half-life of 4 hrs for URBAN SO<sub>2</sub>.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO<sub>2</sub>

\*\*Note that special processing requirements apply for the 1-hour SO<sub>2</sub> NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

---

\*\*This Run Includes: 6 Source(s); 8 Source Group(s); and 1002 Receptor(s)

with: 6 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 453.6 MB of RAM.

\*\*Input Runstream File: PREPAPS2014SO2\_2014\_SO2.DTA

\*\*Output Print File: PREPAPS2014SO2\_2014\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
Documents\INFORMES\SO2Designation2016withactualemi2013to2015\PaloSeco\

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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

1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
1111111111 1111111111 1111111111 1111111111 1111111111  
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1111111111 111111

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO<sub>2</sub> Actual Emissions 2014 \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

Surface file: sju14.sfc Met Version: 15181  
Profile file: sju14.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2014 Year: 2014

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

-----  
14 01 01 1 01 -37.7 0.367 -9.000 -9.000 -999. 533. 118.9 0.10 0.42 1.00 4.61 85. 10.0 298.1 2.0  
14 01 01 1 02 -28.8 0.280 -9.000 -9.000 -999. 359. 68.9 0.10 0.42 1.00 3.73 86. 10.0 297.0 2.0  
14 01 01 1 03 -22.4 0.275 -9.000 -9.000 -999. 347. 84.5 0.10 0.42 1.00 3.58 89. 10.0 297.0 2.0

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

14 01 01	1 04	-49.7	0.482	-9.000	-9.000	-999.	804.	205.0	0.10	0.42	1.00	5.85	68.	10.0	297.0	2.0
14 01 01	1 05	-50.1	0.486	-9.000	-9.000	-999.	813.	208.1	0.10	0.42	1.00	5.89	72.	10.0	297.0	2.0
14 01 01	1 06	-45.3	0.440	-9.000	-9.000	-999.	703.	170.5	0.10	0.42	1.00	5.39	81.	10.0	297.0	2.0
14 01 01	1 07	-34.8	0.338	-9.000	-9.000	-999.	478.	100.4	0.10	0.42	1.00	4.31	85.	10.0	297.0	2.0
14 01 01	1 08	-10.1	0.360	-9.000	-9.000	-999.	519.	421.6	0.10	0.42	0.45	4.26	84.	10.0	298.1	2.0
14 01 01	1 09	38.7	0.485	0.700	0.005	322.	809.	-267.5	0.10	0.42	0.23	5.43	73.	10.0	299.2	2.0
14 01 01	1 10	77.6	0.676	1.208	0.005	827.	1332.	-361.5	0.10	0.42	0.17	7.62	65.	10.0	300.4	2.0
14 01 01	1 11	106.3	0.698	1.418	0.005	978.	1397.	-290.4	0.10	0.42	0.15	7.83	68.	10.0	300.4	2.0
14 01 01	1 12	123.5	0.739	1.562	0.005	1123.	1522.	-297.1	0.10	0.42	0.15	8.30	71.	10.0	300.4	2.0
14 01 01	1 13	129.0	0.682	1.646	0.005	1258.	1357.	-222.9	0.10	0.42	0.14	7.60	68.	10.0	300.4	2.0
14 01 01	1 14	122.5	0.702	1.667	0.005	1374.	1411.	-256.5	0.10	0.42	0.15	7.86	69.	10.0	300.4	2.0
14 01 01	1 15	104.4	0.761	1.616	0.005	1467.	1590.	-382.7	0.10	0.42	0.15	8.59	68.	10.0	300.9	2.0
14 01 01	1 16	74.6	0.717	1.464	0.005	1527.	1461.	-446.9	0.10	0.42	0.17	8.11	73.	10.0	300.4	2.0
14 01 01	1 17	35.2	0.590	1.149	0.005	1557.	1107.	-526.3	0.10	0.42	0.24	6.69	68.	10.0	299.8	2.0
14 01 01	1 18	-20.7	0.419	-9.000	-9.000	-999.	681.	323.3	0.10	0.42	0.49	4.99	77.	10.0	299.2	2.0
14 01 01	1 19	-31.3	0.304	-9.000	-9.000	-999.	414.	81.4	0.10	0.42	1.00	3.97	83.	10.0	297.0	2.0
14 01 01	1 20	-24.3	0.236	-9.000	-9.000	-999.	277.	49.0	0.10	0.42	1.00	3.32	87.	10.0	297.0	2.0
14 01 01	1 21	-46.6	0.456	-9.000	-9.000	-999.	739.	184.4	0.10	0.42	1.00	5.56	76.	10.0	299.2	2.0
14 01 01	1 22	-44.7	0.437	-9.000	-9.000	-999.	694.	169.1	0.10	0.42	1.00	5.36	78.	10.0	298.1	2.0
14 01 01	1 23	-37.6	0.365	-9.000	-9.000	-999.	532.	117.1	0.10	0.42	1.00	4.59	84.	10.0	297.0	2.0
14 01 01	1 24	-33.6	0.326	-9.000	-9.000	-999.	447.	93.6	0.10	0.42	1.00	4.19	88.	10.0	297.0	2.0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 14 01 01 01 10.0 1 85. 4.61 298.2 99.0 -99.00 -99.00

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

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

---

ALL 1ST HIGHEST VALUE IS 119.73142 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 116.99771 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 116.92549 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 116.70512 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 116.38273 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 114.26306 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 113.07282 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 112.03650 AT ( 800750.00, 2043222.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 111.63437 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 111.47477 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 33.96573 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 33.96573 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 33.12339 AT ( 801000.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 32.74822 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 32.60616 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 32.55732 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 32.41188 AT ( 800850.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 32.36755 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 32.28803 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 31.87848 AT ( 800800.00, 2043272.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 119.73142 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 116.99771 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 116.92549 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 116.70512 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 116.38273 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 114.26306 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 113.07282 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 112.03650 AT ( 800750.00, 2043222.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 111.63437 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 111.47477 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 36.98671 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 36.56444 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 36.54757 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 36.54757 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 36.27522 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 35.86786 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 35.07412 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 34.81606 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 34.80989 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 34.49922 AT ( 800850.00, 2043272.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS4	1ST HIGHEST VALUE IS	53.29120 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	53.24837 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	51.72735 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	50.87738 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	50.56718 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	50.47995 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	50.13396 AT ( 800900.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	50.00343 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	49.58267 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	49.37043 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
GT1	1ST HIGHEST VALUE IS	0.16596 AT ( 800850.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.16515 AT ( 800800.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.15157 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.15004 AT ( 800858.69, 2042790.62,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.14664 AT ( 800750.00, 2042672.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.14484 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.14392 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.14320 AT ( 800700.00, 2042672.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.14120 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.13938 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
GT2	1ST HIGHEST VALUE IS	0.36850 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.36578 AT ( 800850.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.35443 AT ( 800858.69, 2042790.62,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.35356 AT ( 800800.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.34564 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	6TH HIGHEST VALUE IS	0.34564 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.33807 AT ( 800700.00, 2042672.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.33183 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.32801 AT ( 800798.73, 2042879.25,	2.27,	2.27,	0.00) DC
	10TH HIGHEST VALUE IS	0.32345 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
GT3	1ST HIGHEST VALUE IS	0.38326 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.38326 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.38299 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.34565 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.34132 AT ( 800700.00, 2042672.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.33551 AT ( 800798.73, 2042879.25,	2.27,	2.27,	0.00) DC
	7TH HIGHEST VALUE IS	0.33309 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.33245 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.32467 AT ( 800858.69, 2042790.62,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.32282 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL	1ST HIGHEST VALUE IS	114.23533 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	113.99362 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	113.52289 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	112.43473 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	112.14272 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	111.12400 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	111.05442 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	110.56746 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	110.39918 AT ( 800750.00, 2043172.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	110.29184 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

PS1 1ST HIGHEST VALUE IS 32.34868 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 32.31913 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 32.08058 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 31.51657 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 31.29889 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 31.23862 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 31.23862 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 30.94352 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 30.92534 AT ( 800800.00, 2043222.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 30.85908 AT ( 800900.00, 2043272.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 114.23533 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 113.99362 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 113.52289 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 112.43473 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 112.14272 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 111.12400 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 111.05442 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 110.56746 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 110.39918 AT ( 800750.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 110.29184 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 35.35080 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 34.91476 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 34.81187 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 34.67752 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 34.57327 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 33.89042 AT ( 800750.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 33.82929 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 33.66097 AT ( 800850.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 33.65092 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 33.65092 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID	AVERAGE CONC	NETWORK				
		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE			
GRID-ID						
PS4	1ST HIGHEST VALUE IS	50.64687 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	50.03208 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	49.85372 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	49.62571 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	49.10088 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	48.79276 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	48.70643 AT ( 800700.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	48.63699 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	48.59569 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	48.50502 AT ( 800600.00, 2043022.00,	0.00,	0.00,	0.00)	DC
GT1	1ST HIGHEST VALUE IS	0.13919 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.13911 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.13810 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.13736 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.13344 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.12804 AT ( 800798.73, 2042879.25,	2.27,	2.27,	0.00)	DC
	7TH HIGHEST VALUE IS	0.12798 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.12798 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.12695 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	10TH HIGHEST VALUE IS	0.12673 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00)	DC
GT2	1ST HIGHEST VALUE IS	0.32203 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.31479 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.31171 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.30468 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.30169 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.29774 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	7TH HIGHEST VALUE IS	0.29735 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00)	DC
	8TH HIGHEST VALUE IS	0.29573 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC
	9TH HIGHEST VALUE IS	0.28779 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.28779 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
GT3	1ST HIGHEST VALUE IS	0.32271 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.32076 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.31817 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.31045 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	5TH HIGHEST VALUE IS	0.30890 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00)	DC
	6TH HIGHEST VALUE IS	0.30689 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.29639 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.29381 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.29210 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.28967 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 114.02240 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 112.96179 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 111.76029 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 111.24019 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 110.90058 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 109.69726 AT ( 800750.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 109.59154 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 109.54739 AT ( 800750.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 109.16229 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 108.96923 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 31.74716 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 31.24977 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 31.21957 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 31.06924 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 30.49260 AT ( 800850.00, 2043222.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 30.47868 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 30.42560 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 30.41387 AT ( 800800.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 30.31557 AT ( 800900.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 30.21870 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

PALOSECO 1ST HIGHEST VALUE IS 114.02240 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 112.96179 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 111.76029 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 111.24019 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 110.90058 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 109.69726 AT ( 800750.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 109.59154 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 109.54739 AT ( 800750.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 109.16229 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 108.96923 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 35.10154 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 34.66914 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 34.12163 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 33.65834 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 33.58939 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 33.49009 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 33.37615 AT ( 800800.00, 2043222.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 33.32434 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 33.14778 AT ( 800800.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 33.08767 AT ( 800750.00, 2043172.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

PS4 1ST HIGHEST VALUE IS 50.33580 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 49.48525 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 49.44486 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 48.45370 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 48.37965 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 48.01865 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

	7TH HIGHEST VALUE IS	47.94845 AT ( 800650.00, 2043222.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	47.85260 AT ( 800650.00, 2043172.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	47.84876 AT ( 800700.00, 2043272.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	47.78557 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.13614 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.13448 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.12825 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.12755 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.12748 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.12712 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.12712 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.12587 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.12484 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.12460 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.31482 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.30457 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.29340 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.29331 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.29149 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.28984 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.28881 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	8TH HIGHEST VALUE IS	0.28551 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.28351 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.28351 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
GT3	1ST HIGHEST VALUE IS	0.32013 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.30896 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.30051 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	4TH HIGHEST VALUE IS	0.30042 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	5TH HIGHEST VALUE IS	0.29517 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.29504 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.29352 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.29038 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.28925 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.28526 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO<sub>2</sub> IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID		NETWORK
ALL	1ST HIGHEST VALUE IS 113.27719 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	2ND HIGHEST VALUE IS 112.95965 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	3RD HIGHEST VALUE IS 111.16716 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	4TH HIGHEST VALUE IS 109.40591 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC	
	5TH HIGHEST VALUE IS 109.17970 AT ( 800750.00, 2043272.00, 0.00, 0.00, 0.00) DC	
	6TH HIGHEST VALUE IS 109.06486 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	7TH HIGHEST VALUE IS 109.02995 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC	
	8TH HIGHEST VALUE IS 108.72226 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	9TH HIGHEST VALUE IS 108.67991 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	10TH HIGHEST VALUE IS 108.28141 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC	
PS1	1ST HIGHEST VALUE IS 31.63867 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	2ND HIGHEST VALUE IS 31.13042 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	3RD HIGHEST VALUE IS 31.10796 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	4TH HIGHEST VALUE IS 30.85424 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	5TH HIGHEST VALUE IS 30.22340 AT ( 800800.00, 2043172.00, 0.00, 0.00, 0.00) DC	
	6TH HIGHEST VALUE IS 30.19237 AT ( 800900.00, 2043272.00, 0.00, 0.00, 0.00) DC	
	7TH HIGHEST VALUE IS 30.05803 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	8TH HIGHEST VALUE IS 29.91944 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	9TH HIGHEST VALUE IS 29.91944 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	10TH HIGHEST VALUE IS 29.91514 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC	
PALOSECO	1ST HIGHEST VALUE IS 113.27719 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	2ND HIGHEST VALUE IS 112.95965 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	3RD HIGHEST VALUE IS 111.16716 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	4TH HIGHEST VALUE IS 109.40591 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC	
	5TH HIGHEST VALUE IS 109.17970 AT ( 800750.00, 2043272.00, 0.00, 0.00, 0.00) DC	
	6TH HIGHEST VALUE IS 109.06486 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC	
	7TH HIGHEST VALUE IS 109.02995 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC	
	8TH HIGHEST VALUE IS 108.72226 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	9TH HIGHEST VALUE IS 108.67991 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC	
	10TH HIGHEST VALUE IS 108.28141 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC	
PS2	1ST HIGHEST VALUE IS 34.85128 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC	

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 34.61644 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 33.52862 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 33.34825 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 33.31595 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 33.24321 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 33.12329 AT ( 800800.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 33.08616 AT ( 800750.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 32.96007 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 32.71502 AT ( 800800.00, 2043222.00, 0.00, 0.00, 0.00) DC

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:22:27

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS4 1ST HIGHEST VALUE IS 50.09603 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 49.15971 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 48.33751 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 48.25270 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 48.00985 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 47.80612 AT ( 800650.00, 2043222.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 47.59385 AT ( 800700.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 47.50685 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 47.47774 AT ( 800650.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 47.26833 AT ( 800700.00, 2043222.00, 0.00, 0.00, 0.00) DC

GT1 1ST HIGHEST VALUE IS 0.13184 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.13093 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.12748 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.12744 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.12738 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.12562 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	7TH HIGHEST VALUE IS	0.12562 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.12477 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.12398 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	10TH HIGHEST VALUE IS	0.12071 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.30703 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.30434 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.29038 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.29003 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.28699 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.28651 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	7TH HIGHEST VALUE IS	0.28437 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.28347 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.28347 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.27998 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
GT3	1ST HIGHEST VALUE IS	0.30640 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.30280 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.29497 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	4TH HIGHEST VALUE IS	0.29363 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.29226 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	6TH HIGHEST VALUE IS	0.29112 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.28833 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.28804 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	9TH HIGHEST VALUE IS	0.28724 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.27547 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
06/08/16  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 112.44796 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	110.63343 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	107.84333 AT (	800600.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	107.72675 AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	107.63523 AT (	800750.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	107.53243 AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	106.38771 AT (	800700.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	106.18594 AT (	800650.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	106.03275 AT (	800600.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	105.28619 AT (	800700.00,	2043222.00,	0.00,	0.00,	0.00)	DC
PS1	1ST HIGHEST VALUE IS	31.15812 AT (	800750.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	30.68869 AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	30.30690 AT (	800750.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	29.90955 AT (	800800.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	29.76010 AT (	800750.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	29.65020 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	29.63574 AT (	800700.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	29.38637 AT (	800900.00,	2043272.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	29.37435 AT (	800800.00,	2043172.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	29.28450 AT (	800800.00,	2043022.00,	0.00,	0.00,	0.00)	DC
PALOSECO	1ST HIGHEST VALUE IS	112.44796 AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	110.63343 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	107.84333 AT (	800600.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	107.72675 AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	107.63523 AT (	800750.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	107.53243 AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	106.38771 AT (	800700.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	106.18594 AT (	800650.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	106.03275 AT (	800600.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	105.28619 AT (	800700.00,	2043222.00,	0.00,	0.00,	0.00)	DC
PS2	1ST HIGHEST VALUE IS	34.23628 AT (	800750.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	33.99910 AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	33.16808 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	33.01976 AT (	800700.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	32.99446 AT (	800750.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	32.70012 AT (	800750.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	32.55379 AT (	800900.00,	2043272.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	32.31662 AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	32.27283 AT (	800800.00,	2043272.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	32.27283 AT (	800800.00,	2043272.00,	0.00,	0.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
 06/08/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:22:27  
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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
		NETWORK				
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
GRID-ID						
PS4	1ST HIGHEST VALUE IS	49.58491	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	49.07881	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	48.19571	AT (	800700.00,	2043072.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS	47.63329	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS	47.33013	AT (	800600.00,	2043122.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	47.17823	AT (	800650.00,	2043172.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS	46.92793	AT (	800550.00,	2043072.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS	46.88246	AT (	800700.00,	2043272.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS	46.73979	AT (	800550.00,	2043122.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS	46.52725	AT (	800650.00,	2043222.00,	0.00, 0.00, 0.00) DC
GT1	1ST HIGHEST VALUE IS	0.12704	AT (	800757.02,	2042811.47,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.12578	AT (	800750.00,	2042822.00,	3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.12547	AT (	800764.84,	2042780.19,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.12529	AT (	800750.00,	2042772.00,	3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.12412	AT (	800800.00,	2042772.00,	3.00, 3.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.12412	AT (	800800.00,	2042772.00,	3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.12121	AT (	800750.00,	2042722.00,	3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.12120	AT (	800700.00,	2042772.00,	3.00, 3.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.12052	AT (	800749.20,	2042842.75,	2.94, 2.94, 0.00) DC
	10TH HIGHEST VALUE IS	0.11901	AT (	800650.00,	2042772.00,	2.99, 2.99, 0.00) DC
GT2	1ST HIGHEST VALUE IS	0.29154	AT (	800757.02,	2042811.47,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.28365	AT (	800750.00,	2042822.00,	3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.28293	AT (	800750.00,	2042772.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.28286	AT (	800764.84,	2042780.19,	3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.27820	AT (	800700.00,	2042772.00,	3.00, 3.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.27717	AT (	800800.00,	2042772.00,	3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.27717 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.27534 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 9TH HIGHEST VALUE IS 0.27474 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.27395 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC

GT3 1ST HIGHEST VALUE IS 0.29421 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.28989 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.28950 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.28720 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.28596 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.28186 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 7TH HIGHEST VALUE IS 0.28172 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 8TH HIGHEST VALUE IS 0.28134 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.27865 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 10TH HIGHEST VALUE IS 0.26884 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
 06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:22:27

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 110.48534 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 110.00992 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 107.72098 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 107.58130 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 106.66544 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 105.99436 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 105.68991 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 105.58199 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 105.22371 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 104.45655 AT ( 800700.00, 2043222.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

PS1 1ST HIGHEST VALUE IS 30.91074 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 30.43873 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 30.02319 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 29.72395 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 29.64983 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 29.56436 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 29.54033 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 29.16555 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 29.01791 AT ( 800800.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 28.94553 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 110.48534 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 110.00992 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 107.72098 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 107.58130 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 106.66544 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 105.99436 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 105.68991 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 105.58199 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 105.22371 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 104.45655 AT ( 800700.00, 2043222.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 33.70010 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 33.68124 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 32.97646 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 32.72893 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 32.70708 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 32.42367 AT ( 800900.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 32.29641 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 32.16554 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 31.82782 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 31.76092 AT ( 800800.00, 2043272.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
 06/08/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:22:27

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK				
		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE			
PS4	1ST HIGHEST VALUE IS	49.48308 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	48.50781 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	47.92175 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	47.20234 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	47.16806 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	46.76394 AT ( 800650.00, 2043172.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	46.69534 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	46.66320 AT ( 800550.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	46.12348 AT ( 800700.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	45.91983 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
GT1	1ST HIGHEST VALUE IS	0.12533 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.12386 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.12385 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.12252 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.12252 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.12160 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.12096 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.11936 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.11800 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.11758 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
GT2	1ST HIGHEST VALUE IS	0.28200 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.28088 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.28017 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.27694 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.27664 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.27664 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.27606 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.27290 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.27047 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.26863 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
GT3	1ST HIGHEST VALUE IS	0.28635 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.28630 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.28458 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.28328 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.27981 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.27930 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 7TH HIGHEST VALUE IS 0.27699 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.27556 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.27197 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 10TH HIGHEST VALUE IS 0.26799 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:22:27

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 109.98791 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 109.93563 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 107.46361 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 105.98829 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 105.30792 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 105.19659 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 104.94290 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 104.51815 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 104.04876 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 103.64585 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 30.71286 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 30.08449 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 29.91421 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 29.53517 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 29.18621 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 29.15367 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 29.10925 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 28.97495 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 28.89482 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 28.77081 AT ( 800950.00, 2043272.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

PALOSECO 1ST HIGHEST VALUE IS 109.98791 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 109.93563 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 107.46361 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 105.98829 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 105.30792 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 105.19659 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 104.94290 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 104.51815 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 104.04876 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 103.64585 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 33.53557 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 33.50066 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 32.91483 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 32.54288 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 32.16074 AT ( 800900.00, 2043272.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 32.12532 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 32.05057 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 31.85083 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 31.72646 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 31.59366 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
 06/08/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:22:27

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS4 1ST HIGHEST VALUE IS 49.31878 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 48.31163 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 47.13909 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 46.83827 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 46.68635 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	6TH HIGHEST VALUE IS	46.09438 AT ( 800550.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	45.96300 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	45.87940 AT ( 800700.00, 2043222.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	45.72980 AT ( 800650.00, 2043172.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	45.66271 AT ( 800650.00, 2043222.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.12321 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.12238 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.12238 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.12211 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.12211 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.12091 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.11985 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.11932 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.11757 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.11747 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.28174 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.28024 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.27779 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.27662 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.27662 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.27655 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.27457 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.27141 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.26998 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.26587 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
GT3	1ST HIGHEST VALUE IS	0.28435 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.28414 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.28226 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.27949 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.27703 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.27633 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.27490 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.26928 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.26669 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.26669 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014

\*\*\*

06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation

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10:22:27

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
GROUP ID	AVERAGE CONC	NETWORK				
GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
-----						
ALL	1ST HIGHEST VALUE IS	109.55337	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	109.45471	AT (	800700.00,	2043072.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	107.14837	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS	105.84609	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS	104.84746	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	104.36423	AT (	800650.00,	2043022.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS	104.23026	AT (	800600.00,	2043122.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS	103.40547	AT (	800750.00,	2043072.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS	102.97756	AT (	800550.00,	2043072.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS	102.68910	AT (	800600.00,	2043022.00,	0.00, 0.00, 0.00) DC
PS1	1ST HIGHEST VALUE IS	30.54313	AT (	800750.00,	2043072.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	30.04091	AT (	800700.00,	2043072.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	29.46710	AT (	800750.00,	2043022.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS	29.40701	AT (	800700.00,	2043022.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS	29.10546	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	29.07733	AT (	800800.00,	2043072.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS	29.04216	AT (	800800.00,	2043122.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS	28.88793	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS	28.75277	AT (	800750.00,	2043122.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS	28.62174	AT (	800700.00,	2042672.00,	3.00, 3.00, 0.00) DC
PALOSECO	1ST HIGHEST VALUE IS	109.55337	AT (	800650.00,	2043072.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS	109.45471	AT (	800700.00,	2043072.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS	107.14837	AT (	800600.00,	2043072.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS	105.84609	AT (	800650.00,	2043122.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS	104.84746	AT (	800700.00,	2043122.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS	104.36423	AT (	800650.00,	2043022.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS	104.23026	AT (	800600.00,	2043122.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS	103.40547	AT (	800750.00,	2043072.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS	102.97756	AT (	800550.00,	2043072.00,	0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

10TH HIGHEST VALUE IS 102.68910 AT ( 800600.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 33.40861 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC

2ND HIGHEST VALUE IS 33.36012 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC

3RD HIGHEST VALUE IS 32.52705 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC

4TH HIGHEST VALUE IS 32.38072 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC

5TH HIGHEST VALUE IS 31.82275 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC

6TH HIGHEST VALUE IS 31.77507 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC

7TH HIGHEST VALUE IS 31.69922 AT ( 800900.00, 2043272.00, 0.00, 0.00, 0.00) DC

8TH HIGHEST VALUE IS 31.67255 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC

9TH HIGHEST VALUE IS 31.67077 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC

10TH HIGHEST VALUE IS 31.56895 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2014 \*\*\*  
06/08/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:22:27

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS4 1ST HIGHEST VALUE IS 48.69585 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC

2ND HIGHEST VALUE IS 48.00707 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

3RD HIGHEST VALUE IS 46.88139 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC

4TH HIGHEST VALUE IS 46.81220 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC

5TH HIGHEST VALUE IS 46.58388 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC

6TH HIGHEST VALUE IS 46.07821 AT ( 800550.00, 2043122.00, 0.00, 0.00, 0.00) DC

7TH HIGHEST VALUE IS 45.80352 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC

8TH HIGHEST VALUE IS 45.56366 AT ( 800650.00, 2043172.00, 0.00, 0.00, 0.00) DC

9TH HIGHEST VALUE IS 45.52422 AT ( 800650.00, 2043222.00, 0.00, 0.00, 0.00) DC

10TH HIGHEST VALUE IS 45.43690 AT ( 800700.00, 2043222.00, 0.00, 0.00, 0.00) DC

GT1 1ST HIGHEST VALUE IS 0.12231 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

2ND HIGHEST VALUE IS 0.12231 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

3RD HIGHEST VALUE IS 0.12217 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	4TH HIGHEST VALUE IS	0.12150 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.12124 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.12066 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.11938 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.11920 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.11724 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.11633 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
GT2	1ST HIGHEST VALUE IS	0.28134 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.27965 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.27732 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.27615 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.27582 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.27582 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.27394 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.27020 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.26928 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.26252 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC
GT3	1ST HIGHEST VALUE IS	0.28361 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.28206 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.28024 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.27928 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.27654 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.27585 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.27456 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC
	8TH HIGHEST VALUE IS	0.26728 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00)	DC
	9TH HIGHEST VALUE IS	0.26613 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	10TH HIGHEST VALUE IS	0.26488 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2014

\*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation

\*\*\*

10:22:27

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

---

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

A Total of        0 Fatal Error Message(s)  
A Total of        0 Warning Message(s)  
A Total of        707 Informational Message(s)

A Total of        8760 Hours Were Processed

A Total of        521 Calm Hours Identified

A Total of        186 Missing Hours Identified ( 2.12 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Palo Seco 2015**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
06/08/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36  
PAGE 1  
\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 7 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 434374.0 ; 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. Half-life of 4 hrs for URBAN SO<sub>2</sub>.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO<sub>2</sub>

\*\*Note that special processing requirements apply for the 1-hour SO<sub>2</sub> NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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



# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*This Run Includes: 7 Source(s); 9 Source Group(s); and 1002 Receptor(s)

with: 7 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space (MAXDCONT 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) = 10.00 ; 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 = 453.7 MB of RAM.

\*\*Input Runstream File: PaloSeco2015data\_2015\_SO2.DTA

\*\*Output Print File: PaloSeco2015data\_2015\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My Documents\INFORMES\SO2Designation2016withactualemi2013to2015\PaloSeco\

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
06/08/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:29:36

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

```
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
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1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO<sub>2</sub> Actual Emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

Surface file: sju15.sfc Met Version: 15181  
Profile file: sju15.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2015 Year: 2015

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

-----

15 01 01	1 01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	295.9	2.0
15 01 01	1 02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	295.4	2.0
15 01 01	1 03	-3.7	0.070	-9.000	-9.000	-999.	44.	8.4	0.48	0.42	1.00	1.06	170.	10.0	295.4	2.0
15 01 01	1 04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	295.4	2.0
15 01 01	1 05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	999.00	999.	-9.0	294.8	2.0
15 01 01	1 06	-4.9	0.081	-9.000	-9.000	-999.	55.	9.7	0.48	0.42	1.00	1.23	212.	10.0	294.2	2.0
15 01 01	1 07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.23	0.42	1.00	0.00	0.	10.0	294.2	2.0
15 01 01	1 08	-4.1	0.122	-9.000	-9.000	-999.	102.	39.4	0.11	0.42	0.45	1.76	273.	10.0	295.4	2.0
15 01 01	1 09	37.5	0.252	0.480	0.005	106.	303.	-38.4	0.48	0.42	0.23	1.60	215.	10.0	295.9	2.0
15 01 01	1 10	77.2	0.225	1.094	0.005	615.	256.	-13.3	0.48	0.42	0.17	1.23	218.	10.0	299.2	2.0
15 01 01	1 11	105.8	0.207	1.356	0.005	856.	227.	-7.7	0.11	0.42	0.15	1.72	346.	10.0	299.2	2.0
15 01 01	1 12	123.1	0.355	1.478	0.005	952.	508.	-33.1	0.11	0.42	0.15	3.49	358.	10.0	299.2	2.0
15 01 01	1 13	129.0	0.367	1.548	0.005	1045.	534.	-34.7	0.10	0.42	0.14	3.71	8.	10.0	300.4	2.0
15 01 01	1 14	122.1	0.391	1.562	0.005	1133.	586.	-44.2	0.11	0.42	0.15	3.93	353.	10.0	299.2	2.0
15 01 01	1 15	103.8	0.397	1.526	0.005	1241.	599.	-54.4	0.11	0.42	0.15	4.05	349.	10.0	299.2	2.0
15 01 01	1 16	74.6	0.390	1.394	0.005	1315.	586.	-72.2	0.10	0.42	0.17	4.15	11.	10.0	300.4	2.0
15 01 01	1 17	35.0	0.363	1.091	0.005	1345.	526.	-124.2	0.10	0.42	0.24	3.97	22.	10.0	299.2	2.0
15 01 01	1 18	-16.2	0.315	-9.000	-9.000	-999.	425.	173.8	0.10	0.42	0.49	3.85	31.	10.0	298.1	2.0
15 01 01	1 19	-25.9	0.253	-9.000	-9.000	-999.	306.	56.4	0.10	0.42	1.00	3.47	36.	10.0	298.1	2.0
15 01 01	1 20	-30.3	0.295	-9.000	-9.000	-999.	385.	77.0	0.10	0.42	1.00	3.88	27.	10.0	298.1	2.0
15 01 01	1 21	-27.4	0.267	-9.000	-9.000	-999.	332.	63.2	0.10	0.42	1.00	3.61	40.	10.0	298.1	2.0
15 01 01	1 22	-27.3	0.265	-9.000	-9.000	-999.	328.	61.9	0.10	0.42	1.00	3.59	40.	10.0	297.0	2.0
15 01 01	1 23	-12.9	0.131	-9.000	-9.000	-999.	126.	15.8	0.48	0.42	1.00	1.99	97.	10.0	297.0	2.0
15 01 01	1 24	-4.7	0.079	-9.000	-9.000	-999.	54.	9.5	0.48	0.42	1.00	1.20	147.	10.0	295.9	2.0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 15 01 01 01 10.0 1 -999. -99.00 296.0 99.0 -99.00 -99.00

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
 06/08/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:29:36  
 PAGE 4  
 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID		NETWORK
-----		
ALL	1ST HIGHEST VALUE IS 131.06292 AT ( 800050.00, 2042822.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS 131.03485 AT ( 800100.00, 2042822.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS 130.52902 AT ( 801550.00, 2041772.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS 130.47560 AT ( 800150.00, 2042822.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS 130.29030 AT ( 800100.00, 2042872.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS 130.09761 AT ( 800150.00, 2042872.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS 129.99025 AT ( 800050.00, 2042872.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS 129.29940 AT ( 800200.00, 2042872.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS 129.27262 AT ( 800200.00, 2042822.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS 129.11982 AT ( 800050.00, 2042772.00,	0.00, 0.00, 0.00) DC
PS1	1ST HIGHEST VALUE IS 43.87565 AT ( 800100.00, 2042822.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS 43.84291 AT ( 801550.00, 2041772.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS 43.81226 AT ( 800050.00, 2042822.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS 43.77783 AT ( 800150.00, 2042822.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS 43.48627 AT ( 800150.00, 2042872.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS 43.48403 AT ( 800200.00, 2042822.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS 43.47479 AT ( 800100.00, 2042872.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS 43.33238 AT ( 800050.00, 2042772.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS 43.33238 AT ( 800050.00, 2042772.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS 43.31444 AT ( 800050.00, 2042872.00,	0.00, 0.00, 0.00) DC
PALOSECO	1ST HIGHEST VALUE IS 131.06292 AT ( 800050.00, 2042822.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS 131.03485 AT ( 800100.00, 2042822.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS 130.52902 AT ( 801550.00, 2041772.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS 130.47560 AT ( 800150.00, 2042822.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS 130.29030 AT ( 800100.00, 2042872.00,	0.00, 0.00, 0.00) DC
	6TH HIGHEST VALUE IS 130.09761 AT ( 800150.00, 2042872.00,	0.00, 0.00, 0.00) DC
	7TH HIGHEST VALUE IS 129.99025 AT ( 800050.00, 2042872.00,	0.00, 0.00, 0.00) DC
	8TH HIGHEST VALUE IS 129.29940 AT ( 800200.00, 2042872.00,	0.00, 0.00, 0.00) DC
	9TH HIGHEST VALUE IS 129.27262 AT ( 800200.00, 2042822.00,	0.00, 0.00, 0.00) DC
	10TH HIGHEST VALUE IS 129.11982 AT ( 800050.00, 2042772.00,	0.00, 0.00, 0.00) DC
PS2	1ST HIGHEST VALUE IS 48.84526 AT ( 800050.00, 2042822.00,	0.00, 0.00, 0.00) DC
	2ND HIGHEST VALUE IS 48.83170 AT ( 800100.00, 2042822.00,	0.00, 0.00, 0.00) DC
	3RD HIGHEST VALUE IS 48.82033 AT ( 801550.00, 2041772.00,	0.00, 0.00, 0.00) DC
	4TH HIGHEST VALUE IS 48.62098 AT ( 800150.00, 2042822.00,	0.00, 0.00, 0.00) DC
	5TH HIGHEST VALUE IS 48.48733 AT ( 800100.00, 2042872.00,	0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 48.40761 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 48.38386 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 48.19029 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 48.19029 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 48.17148 AT ( 800200.00, 2042822.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*

06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS 28.86736 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 28.82885 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 28.81920 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 28.77313 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 28.74862 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 28.66452 AT ( 800150.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 28.54388 AT ( 801550.00, 2041772.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 28.53451 AT ( 800200.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 28.34778 AT ( 800200.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 28.27413 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC

PS4 1ST HIGHEST VALUE IS 9.31052 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 9.30026 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 9.29383 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 9.27479 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 9.24484 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 9.19360 AT ( 800150.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 9.14375 AT ( 800200.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 9.10770 AT ( 801550.00, 2041772.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 9.09224 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 9.09224 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GT1	1ST HIGHEST VALUE IS	0.00149 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00145 AT ( 800850.00, 2042922.00,	2.32,	2.32,	0.00) DC
	3RD HIGHEST VALUE IS	0.00145 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00144 AT ( 800892.58, 2042941.82,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00142 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.00141 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00138 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00138 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.00135 AT ( 800845.66, 2042913.14,	2.46,	2.46,	0.00) DC
	10TH HIGHEST VALUE IS	0.00135 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC

GT2	1ST HIGHEST VALUE IS	0.25807 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.25800 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.24875 AT ( 800850.00, 2042922.00,	2.32,	2.32,	0.00) DC
	4TH HIGHEST VALUE IS	0.24554 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.24372 AT ( 800750.00, 2042722.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.23954 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	7TH HIGHEST VALUE IS	0.23802 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.23798 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.23723 AT ( 800798.73, 2042879.25,	2.27,	2.27,	0.00) DC
	10TH HIGHEST VALUE IS	0.23664 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
06/08/16  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3	1ST HIGHEST VALUE IS	0.22868 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.22352 AT ( 800798.73, 2042879.25,	2.27,	2.27,	0.00) DC
	3RD HIGHEST VALUE IS	0.22310 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	4TH HIGHEST VALUE IS	0.21857 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.21722 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.21479 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 7TH HIGHEST VALUE IS 0.21111 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.21052 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.20926 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.20926 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 129.99656 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 129.95397 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 129.38314 AT ( 800150.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 129.21696 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 129.00704 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 128.93637 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 128.19464 AT ( 800200.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 128.17242 AT ( 800200.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 128.08165 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 128.08165 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 43.51903 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 43.46082 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 43.41690 AT ( 800150.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 43.12840 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 43.12288 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 43.11991 AT ( 800200.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 42.98785 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 42.98785 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 42.96911 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 42.95139 AT ( 800200.00, 2042872.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

PALOSECO 1ST HIGHEST VALUE IS 129.99656 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 129.95397 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 129.38314 AT ( 800150.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 129.21696 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 129.00704 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 128.93637 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 128.19464 AT ( 800200.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 128.17242 AT ( 800200.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 128.08165 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 128.08165 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 48.45115 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 48.43233 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 48.21744 AT ( 800150.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 48.09175 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 48.00587 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 47.99528 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 47.80561 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 47.80561 AT ( 800050.00, 2042772.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 47.76520 AT ( 800200.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 47.69630 AT ( 800200.00, 2042872.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
 06/08/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS 28.62519 AT ( 800050.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 28.58343 AT ( 800100.00, 2042822.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 28.57330 AT ( 800100.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 28.53180 AT ( 800050.00, 2042872.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 28.49867 AT ( 800150.00, 2042872.00, 0.00, 0.00, 0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	6TH HIGHEST VALUE IS	28.41655 AT ( 800150.00, 2042822.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	28.28125 AT ( 800200.00, 2042872.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	28.09820 AT ( 800200.00, 2042822.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	28.04062 AT ( 800050.00, 2042772.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	28.04062 AT ( 800050.00, 2042772.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	9.23177 AT ( 800050.00, 2042822.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	9.22148 AT ( 800050.00, 2042872.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	9.21367 AT ( 800100.00, 2042872.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	9.19513 AT ( 800100.00, 2042822.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	9.16352 AT ( 800150.00, 2042872.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	9.11329 AT ( 800150.00, 2042822.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	9.06154 AT ( 800200.00, 2042872.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	9.01670 AT ( 800050.00, 2042772.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	9.01670 AT ( 800050.00, 2042772.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	8.98728 AT ( 800100.00, 2042922.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.00141 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00140 AT ( 800850.00, 2042922.00,	2.32,	2.32,	0.00) DC
	3RD HIGHEST VALUE IS	0.00139 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00137 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00137 AT ( 800892.58, 2042941.82,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.00136 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00136 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00130 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	9TH HIGHEST VALUE IS	0.00129 AT ( 800845.66, 2042913.14,	2.46,	2.46,	0.00) DC
	10TH HIGHEST VALUE IS	0.00128 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.24506 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.24022 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.23748 AT ( 800850.00, 2042922.00,	2.32,	2.32,	0.00) DC
	4TH HIGHEST VALUE IS	0.23717 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.23622 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	6TH HIGHEST VALUE IS	0.23608 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.23164 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.23085 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.22707 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	10TH HIGHEST VALUE IS	0.22489 AT ( 800800.00, 2042922.00,	0.00,	0.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*

06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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GT3	1ST HIGHEST VALUE IS	0.21874 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.21853 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.21654 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	4TH HIGHEST VALUE IS	0.21028 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	5TH HIGHEST VALUE IS	0.20961 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.20942 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.19892 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.19810 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.19654 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.19646 AT ( 800800.00, 2042922.00,	0.00,	0.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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ALL	1ST HIGHEST VALUE IS	116.75936 AT ( 799800.00, 2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	115.87297 AT ( 802550.00, 2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	114.13600 AT ( 802550.00, 2042522.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	113.97189 AT ( 799550.00, 2042772.00,	0.00,	0.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	5TH HIGHEST VALUE IS	113.31787 AT ( 802300.00, 2043272.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	112.66553 AT ( 800050.00, 2042822.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	111.68572 AT ( 800050.00, 2042972.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	110.88383 AT ( 800050.00, 2042872.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	110.73110 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	110.38036 AT ( 800100.00, 2042822.00,	0.00,	0.00,	0.00) DC
PS1	1ST HIGHEST VALUE IS	39.33028 AT ( 799800.00, 2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	39.13574 AT ( 802550.00, 2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	38.88201 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	38.74777 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	38.54136 AT ( 800800.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	38.48400 AT ( 802550.00, 2042522.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	38.43680 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	38.33287 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	38.18010 AT ( 799550.00, 2042772.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	38.17195 AT ( 800050.00, 2042822.00,	0.00,	0.00,	0.00) DC
PALOSECO	1ST HIGHEST VALUE IS	116.75936 AT ( 799800.00, 2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	115.87297 AT ( 802550.00, 2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	114.13600 AT ( 802550.00, 2042522.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	113.97189 AT ( 799550.00, 2042772.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	113.31787 AT ( 802300.00, 2043272.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	112.66553 AT ( 800050.00, 2042822.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	111.68572 AT ( 800050.00, 2042972.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	110.88383 AT ( 800050.00, 2042872.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	110.73110 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	110.38036 AT ( 800100.00, 2042822.00,	0.00,	0.00,	0.00) DC
PS2	1ST HIGHEST VALUE IS	43.76403 AT ( 799800.00, 2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	43.55445 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	43.49115 AT ( 802550.00, 2043272.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	43.27125 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	42.83368 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	42.80471 AT ( 802550.00, 2042522.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	42.70453 AT ( 799550.00, 2042772.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	42.64069 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	42.57428 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	42.37776 AT ( 802300.00, 2043272.00,	0.00,	0.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015

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06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
PS3	1ST HIGHEST VALUE IS	25.32026	AT ( 799800.00,	2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	25.02011	AT ( 802550.00,	2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	24.95376	AT ( 802300.00,	2043272.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	24.83725	AT ( 799550.00,	2042772.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	24.71761	AT ( 802550.00,	2042522.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	24.38233	AT ( 800100.00,	2043022.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	24.35850	AT ( 800050.00,	2042822.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	24.35749	AT ( 800050.00,	2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	24.35749	AT ( 800050.00,	2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	24.30830	AT ( 800150.00,	2043022.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	8.14624	AT ( 799800.00,	2042772.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	8.10118	AT ( 802300.00,	2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	8.04737	AT ( 799550.00,	2042772.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	8.01996	AT ( 802550.00,	2043272.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	7.94195	AT ( 802550.00,	2042522.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	7.88257	AT ( 800050.00,	2043022.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	7.88257	AT ( 800050.00,	2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	7.87332	AT ( 800100.00,	2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	7.82797	AT ( 800150.00,	2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	7.77649	AT ( 802300.00,	2042522.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.00136	AT ( 800750.00,	2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00135	AT ( 800892.58,	2042941.82,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00135	AT ( 800764.84,	2042780.19,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00134	AT ( 800757.02,	2042811.47,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00134	AT ( 800750.00,	2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.00132	AT ( 800850.00,	2042922.00,	2.32,	2.32,	0.00) DC
	7TH HIGHEST VALUE IS	0.00130	AT ( 800749.20,	2042842.75,	2.94,	2.94,	0.00) DC
	8TH HIGHEST VALUE IS	0.00127	AT ( 800700.00,	2042772.00,	3.00,	3.00,	0.00) DC

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	9TH HIGHEST VALUE IS	0.00127 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.00127 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.24410 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.23492 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.23350 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	4TH HIGHEST VALUE IS	0.23144 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.23056 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.22950 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.22679 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.22430 AT ( 800850.00, 2042922.00,	2.32,	2.32,	0.00) DC
	9TH HIGHEST VALUE IS	0.21634 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	10TH HIGHEST VALUE IS	0.21618 AT ( 800750.00, 2042972.00,	0.00,	0.00,	0.00) DC

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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
		NETWORK				
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)			OF TYPE	
GRID-ID						
-----						
GT3	1ST HIGHEST VALUE IS	0.21112 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC	
	2ND HIGHEST VALUE IS	0.20925 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC	
	3RD HIGHEST VALUE IS	0.20599 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC	
	4TH HIGHEST VALUE IS	0.20300 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC	
	5TH HIGHEST VALUE IS	0.20172 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC	
	6TH HIGHEST VALUE IS	0.19696 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC	
	7TH HIGHEST VALUE IS	0.19529 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC	
	8TH HIGHEST VALUE IS	0.19456 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC	
	9TH HIGHEST VALUE IS	0.19376 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC	
	10TH HIGHEST VALUE IS	0.19190 AT ( 800700.00, 2042972.00,	0.00,	0.00,	0.00) DC	

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

ALL 1ST HIGHEST VALUE IS 109.50065 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 107.63934 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 106.96226 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 106.64149 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 106.04502 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 105.89791 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 105.88852 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 104.20200 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 104.18241 AT ( 799800.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 103.96415 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS1 1ST HIGHEST VALUE IS 38.40536 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 38.29381 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 38.28885 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 37.59310 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 37.46184 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 37.40741 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 37.29494 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 37.17811 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 36.96789 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 36.82022 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 109.50065 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 107.63934 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 106.96226 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 106.64149 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 106.04502 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 105.89791 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 105.88852 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC

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	8TH HIGHEST VALUE IS	104.20200 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	104.18241 AT ( 799800.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	103.96415 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC
PS2	1ST HIGHEST VALUE IS	42.72691 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	42.49850 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	42.49180 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	42.38486 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	42.26821 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	41.71183 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	41.41641 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	41.05215 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	40.84701 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	40.31500 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3	1ST HIGHEST VALUE IS	22.41550 AT ( 799800.00, 2043022.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	22.09350 AT ( 800150.00, 2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	21.94391 AT ( 800050.00, 2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	21.84074 AT ( 800200.00, 2043272.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	21.70215 AT ( 800050.00, 2042922.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	21.61951 AT ( 800100.00, 2043272.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	21.48774 AT ( 800300.00, 2043272.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	21.48774 AT ( 800300.00, 2043272.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	21.47538 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	21.45625 AT ( 800100.00, 2043222.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	7.20824 AT ( 799800.00, 2043022.00,	0.00,	0.00,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

	2ND HIGHEST VALUE IS	7.10207 AT ( 800150.00, 2043272.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	7.05825 AT ( 800100.00, 2043272.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	7.00856 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	7.00055 AT ( 799550.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	6.97060 AT ( 800050.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	6.95478 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	6.94974 AT ( 800200.00, 2043272.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	6.94921 AT ( 799800.00, 2043272.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	6.91802 AT ( 800250.00, 2043272.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.00135 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00133 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00132 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00132 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00129 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	6TH HIGHEST VALUE IS	0.00127 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00127 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00126 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.00125 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.00123 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.23280 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.23009 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.22847 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	4TH HIGHEST VALUE IS	0.22816 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.22808 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.22336 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	7TH HIGHEST VALUE IS	0.22213 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.21484 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	0.21277 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.21183 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GT3	1ST HIGHEST VALUE IS	0.21106	AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	2ND HIGHEST VALUE IS	0.20706	AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.20277	AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.20107	AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00)	DC
	5TH HIGHEST VALUE IS	0.19881	AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.19639	AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.19448	AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.19355	AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.19170	AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00)	DC
	10TH HIGHEST VALUE IS	0.18799	AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
ALL	1ST HIGHEST VALUE IS	107.40467	AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	106.83852	AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	106.27406	AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	105.05370	AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	104.65182	AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	104.33368	AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	103.65678	AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	103.42869	AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	103.14122	AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	103.10851	AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

PS1 1ST HIGHEST VALUE IS 38.17538 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 38.13971 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 37.20440 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 37.16200 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 36.98199 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 36.89560 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 36.82218 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 36.72371 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 36.45716 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 36.23379 AT ( 800800.00, 2043022.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 107.40467 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 106.83852 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 106.27406 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 105.05370 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 104.65182 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 104.33368 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 103.65678 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 103.42869 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 103.14122 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 103.10851 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC

PS2 1ST HIGHEST VALUE IS 42.19500 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 42.11551 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 41.91469 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 41.79738 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 41.42288 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 41.35459 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 41.18746 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 40.78259 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 40.65460 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 40.22193 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK				
		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE			
PS3	1ST HIGHEST VALUE IS	21.28061 AT ( 800250.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	21.24959 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	21.16441 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	21.14499 AT ( 800200.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	21.08173 AT ( 800050.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	21.08173 AT ( 800050.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	21.07093 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	21.06540 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	20.97198 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	20.92569 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
PS4	1ST HIGHEST VALUE IS	6.88857 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	6.86479 AT ( 800200.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	6.84676 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	6.82854 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	6.76663 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	6.76389 AT ( 800150.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	6.75009 AT ( 800050.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	6.75009 AT ( 800050.00, 2043272.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	6.73381 AT ( 800550.00, 2043122.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	6.72993 AT ( 800250.00, 2043272.00,	0.00,	0.00,	0.00)	DC
GT1	1ST HIGHEST VALUE IS	0.00133 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00131 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00131 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00131 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00128 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00126 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00126 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00125 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00125 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00123 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00)	DC
GT2	1ST HIGHEST VALUE IS	0.22803 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.22747 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.22740 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.22633 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00)	DC
	5TH HIGHEST VALUE IS	0.22521 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.22197 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.21837 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 8TH HIGHEST VALUE IS 0.21380 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.21166 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.21139 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3 1ST HIGHEST VALUE IS 0.20294 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 2ND HIGHEST VALUE IS 0.20092 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.19831 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 4TH HIGHEST VALUE IS 0.19820 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.19566 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.19436 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.19400 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.19145 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.19136 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.18671 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID	AVERAGE CONC	NETWORK			OF TYPE
		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)			
GRID-ID					
ALL	1ST HIGHEST VALUE IS	106.80014 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	104.87803 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	104.79268 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	104.50899 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	104.20184 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	103.54456 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	103.04799 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	102.40728 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	102.37836 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	101.59112 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS1	1ST HIGHEST VALUE IS	37.89342 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	37.60309 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	37.07677 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	36.83862 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	36.81349 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	36.55142 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	36.42525 AT ( 800800.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	36.35546 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	36.17334 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	36.17055 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC
PALOSECO	1ST HIGHEST VALUE IS	106.80014 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	104.87803 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	104.79268 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	104.50899 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	104.20184 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	103.54456 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	103.04799 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	102.40728 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	102.37836 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	101.59112 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS2	1ST HIGHEST VALUE IS	41.99156 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	41.84371 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	41.64798 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	41.41180 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	41.35151 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	40.91936 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 40.74460 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 40.65194 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 40.14035 AT ( 800600.00, 2042722.00, 2.99, 2.99, 0.00) DC  
 10TH HIGHEST VALUE IS 40.11022 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
 06/08/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3 1ST HIGHEST VALUE IS 21.23959 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 21.13877 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 21.04032 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 21.02279 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 20.96221 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 20.92274 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 20.65484 AT ( 800650.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 20.51547 AT ( 800700.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 20.40621 AT ( 800600.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 20.32175 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC

PS4 1ST HIGHEST VALUE IS 6.87975 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 6.83901 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 6.80762 AT ( 800600.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 6.70709 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 6.69652 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 6.64603 AT ( 800550.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 6.64180 AT ( 800550.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 6.62284 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 6.62159 AT ( 800600.00, 2043172.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 6.61516 AT ( 800650.00, 2043172.00, 0.00, 0.00, 0.00) DC

GT1 1ST HIGHEST VALUE IS 0.00131 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 0.00130 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00129 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00129 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00127 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00126 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00126 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00123 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00123 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00122 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC

GT2 1ST HIGHEST VALUE IS 0.22604 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.22601 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.22599 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 4TH HIGHEST VALUE IS 0.22596 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.22292 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.22024 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.21682 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 8TH HIGHEST VALUE IS 0.21339 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.21065 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.20892 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3 1ST HIGHEST VALUE IS 0.20079 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 2ND HIGHEST VALUE IS 0.19771 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.19609 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.19468 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 5TH HIGHEST VALUE IS 0.19433 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.19199 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.18961 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

8TH HIGHEST VALUE IS 0.18941 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.18854 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 10TH HIGHEST VALUE IS 0.18655 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 104.98004 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 103.84097 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 103.55491 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 103.46099 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 103.23021 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 103.09382 AT ( 800650.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 101.99014 AT ( 800650.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 101.85228 AT ( 800600.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 101.69495 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 100.73476 AT ( 800600.00, 2042722.00, 2.99, 2.99, 0.00) DC

PS1 1ST HIGHEST VALUE IS 36.92960 AT ( 800750.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 36.81047 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 36.80383 AT ( 800750.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 36.67984 AT ( 800700.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 36.64269 AT ( 800700.00, 2043122.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 36.19182 AT ( 800800.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 36.15076 AT ( 800750.00, 2043022.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 36.08154 AT ( 800650.00, 2043072.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 36.02529 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 35.82431 AT ( 800800.00, 2043122.00, 0.00, 0.00, 0.00) DC

PALOSECO 1ST HIGHEST VALUE IS 104.98004 AT ( 800700.00, 2043072.00, 0.00, 0.00, 0.00) DC



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	2ND HIGHEST VALUE IS	103.84097 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	103.55491 AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	103.46099 AT (	800750.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	103.23021 AT (	800750.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	103.09382 AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	101.99014 AT (	800650.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	101.85228 AT (	800600.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	101.69495 AT (	800700.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	100.73476 AT (	800600.00,	2042722.00,	2.99,	2.99,	0.00)	DC
PS2	1ST HIGHEST VALUE IS	41.20604 AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	41.20447 AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	41.06234 AT (	800750.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	41.01595 AT (	800700.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	40.74186 AT (	800750.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	40.64607 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	40.37239 AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	40.04620 AT (	800600.00,	2042722.00,	2.99,	2.99,	0.00)	DC
	9TH HIGHEST VALUE IS	40.01760 AT (	800650.00,	2043022.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	39.86138 AT (	800650.00,	2042822.00,	1.98,	3.00,	0.00)	DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

PS3	1ST HIGHEST VALUE IS	21.21073 AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	21.04997 AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	20.83928 AT (	800600.00,	2043072.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	20.78009 AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	20.51218 AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	20.46232 AT (	800600.00,	2043122.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	20.33945 AT (	800700.00,	2043172.00,	0.00,	0.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	8TH HIGHEST VALUE IS	20.26455 AT ( 800600.00, 2043172.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	20.26078 AT ( 800650.00, 2043172.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	20.18098 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	6.84622 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	6.80667 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	6.68518 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	6.64882 AT ( 800600.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	6.62553 AT ( 800550.00, 2043072.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	6.59839 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	6.59703 AT ( 800600.00, 2043172.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	6.58903 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	6.56591 AT ( 800550.00, 2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	6.49190 AT ( 800700.00, 2043172.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.00129 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00128 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00128 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00126 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	5TH HIGHEST VALUE IS	0.00126 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.00124 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00124 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00122 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.00122 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	10TH HIGHEST VALUE IS	0.00120 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.22337 AT ( 800750.00, 2042772.00,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.22284 AT ( 800750.00, 2042822.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.22284 AT ( 800749.20, 2042842.75,	2.94,	2.94,	0.00) DC
	4TH HIGHEST VALUE IS	0.22240 AT ( 800764.84, 2042780.19,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.21679 AT ( 800700.00, 2042772.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.21486 AT ( 800757.02, 2042811.47,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.21440 AT ( 800700.00, 2042822.00,	1.99,	1.99,	0.00) DC
	8TH HIGHEST VALUE IS	0.20960 AT ( 800700.00, 2042722.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.20905 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	10TH HIGHEST VALUE IS	0.20694 AT ( 800800.00, 2042772.00,	3.00,	3.00,	0.00) DC

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* SO2 Designation \*\*\* 10:29:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
		NETWORK				
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
GRID-ID						
GT3	1ST HIGHEST VALUE IS	0.19641	AT ( 800700.00,	2042772.00,	3.00,	3.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.19409	AT ( 800749.20,	2042842.75,	2.94,	2.94, 0.00) DC
	3RD HIGHEST VALUE IS	0.19157	AT ( 800750.00,	2042822.00,	3.00,	3.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.19114	AT ( 800750.00,	2042772.00,	3.00,	3.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.18929	AT ( 800764.84,	2042780.19,	3.00,	3.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.18911	AT ( 800757.02,	2042811.47,	3.00,	3.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.18777	AT ( 800650.00,	2042772.00,	2.99,	2.99, 0.00) DC
	8TH HIGHEST VALUE IS	0.18754	AT ( 800700.00,	2042822.00,	1.99,	1.99, 0.00) DC
	9TH HIGHEST VALUE IS	0.18644	AT ( 800650.00,	2042822.00,	1.98,	3.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.18318	AT ( 800700.00,	2042722.00,	3.00,	3.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
		NETWORK				
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
GRID-ID						
ALL	1ST HIGHEST VALUE IS	104.76087	AT ( 800700.00,	2043072.00,	0.00,	0.00, 0.00) DC
	2ND HIGHEST VALUE IS	103.62876	AT ( 800650.00,	2043072.00,	0.00,	0.00, 0.00) DC
	3RD HIGHEST VALUE IS	103.39515	AT ( 800700.00,	2043122.00,	0.00,	0.00, 0.00) DC
	4TH HIGHEST VALUE IS	103.18994	AT ( 800750.00,	2043072.00,	0.00,	0.00, 0.00) DC
	5TH HIGHEST VALUE IS	102.69090	AT ( 800750.00,	2043122.00,	0.00,	0.00, 0.00) DC
	6TH HIGHEST VALUE IS	102.37970	AT ( 800650.00,	2043122.00,	0.00,	0.00, 0.00) DC
	7TH HIGHEST VALUE IS	101.48065	AT ( 800700.00,	2043022.00,	0.00,	0.00, 0.00) DC
	8TH HIGHEST VALUE IS	101.46595	AT ( 800650.00,	2043022.00,	0.00,	0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	9TH HIGHEST VALUE IS	101.20013 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	100.54279 AT ( 800600.00, 2042722.00,	2.99,	2.99,	0.00) DC
PS1	1ST HIGHEST VALUE IS	36.86704 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	36.72863 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	36.69710 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	36.60999 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	36.42356 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	36.04705 AT ( 800750.00, 2043022.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	35.99707 AT ( 800650.00, 2042822.00,	1.98,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	35.91248 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	35.76523 AT ( 800800.00, 2043072.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	35.72827 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
PALOSECO	1ST HIGHEST VALUE IS	104.76087 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	103.62876 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	103.39515 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	103.18994 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	102.69090 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	102.37970 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	101.48065 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	101.46595 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	101.20013 AT ( 800600.00, 2043072.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	100.54279 AT ( 800600.00, 2042722.00,	2.99,	2.99,	0.00) DC
PS2	1ST HIGHEST VALUE IS	40.98696 AT ( 800700.00, 2043122.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	40.88393 AT ( 800700.00, 2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	40.65063 AT ( 800700.00, 2043022.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	40.64235 AT ( 800650.00, 2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	40.61432 AT ( 800750.00, 2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	40.57953 AT ( 800750.00, 2043072.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	40.34520 AT ( 800650.00, 2043122.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	40.01209 AT ( 800600.00, 2042722.00,	2.99,	2.99,	0.00) DC
	9TH HIGHEST VALUE IS	39.72824 AT ( 800650.00, 2042772.00,	2.99,	2.99,	0.00) DC
	10TH HIGHEST VALUE IS	39.59855 AT ( 800650.00, 2043022.00,	0.00,	0.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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 \*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2 IN MICROGRAMS/M**3					**	
GROUP ID		NETWORK						
GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	
PS3	1ST HIGHEST VALUE IS	21.01911	AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	21.01168	AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	20.79688	AT (	800600.00,	2043072.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	20.52932	AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	20.42456	AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	20.34041	AT (	800600.00,	2043122.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	20.25371	AT (	800650.00,	2043172.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	20.24158	AT (	800600.00,	2043172.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	20.09903	AT (	800700.00,	2043172.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	20.06472	AT (	800550.00,	2043072.00,	0.00,	0.00,	0.00) DC
PS4	1ST HIGHEST VALUE IS	6.80644	AT (	800600.00,	2043072.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	6.79762	AT (	800650.00,	2043072.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	6.61362	AT (	800600.00,	2043122.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	6.61031	AT (	800550.00,	2043072.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	6.60709	AT (	800650.00,	2043122.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	6.59281	AT (	800600.00,	2043172.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	6.57869	AT (	800700.00,	2043072.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	6.55441	AT (	800700.00,	2043122.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	6.55123	AT (	800550.00,	2043122.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	6.46490	AT (	800700.00,	2043172.00,	0.00,	0.00,	0.00) DC
GT1	1ST HIGHEST VALUE IS	0.00128	AT (	800764.84,	2042780.19,	3.00,	3.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00128	AT (	800757.02,	2042811.47,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00128	AT (	800750.00,	2042772.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00126	AT (	800750.00,	2042822.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00123	AT (	800749.20,	2042842.75,	2.94,	2.94,	0.00) DC
	6TH HIGHEST VALUE IS	0.00122	AT (	800800.00,	2042772.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00122	AT (	800800.00,	2042772.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00122	AT (	800700.00,	2042772.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.00119	AT (	800700.00,	2042722.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.00119	AT (	800700.00,	2042822.00,	1.99,	1.99,	0.00) DC
GT2	1ST HIGHEST VALUE IS	0.22129	AT (	800750.00,	2042822.00,	3.00,	3.00,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 0.22110 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.22056 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.21854 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 5TH HIGHEST VALUE IS 0.21607 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.21458 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.21106 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 8TH HIGHEST VALUE IS 0.20939 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.20808 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 10TH HIGHEST VALUE IS 0.20642 AT ( 800800.00, 2042772.00, 3.00, 3.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GT3 1ST HIGHEST VALUE IS 0.19613 AT ( 800700.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.19244 AT ( 800749.20, 2042842.75, 2.94, 2.94, 0.00) DC  
 3RD HIGHEST VALUE IS 0.19069 AT ( 800750.00, 2042772.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.19069 AT ( 800750.00, 2042822.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.18921 AT ( 800764.84, 2042780.19, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.18860 AT ( 800757.02, 2042811.47, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.18758 AT ( 800650.00, 2042772.00, 2.99, 2.99, 0.00) DC  
 8TH HIGHEST VALUE IS 0.18708 AT ( 800700.00, 2042822.00, 1.99, 1.99, 0.00) DC  
 9TH HIGHEST VALUE IS 0.18310 AT ( 800700.00, 2042722.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.18308 AT ( 800650.00, 2042822.00, 1.98, 3.00, 0.00) DC

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Palo Seco SO2 Actual Emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 293 Informational Message(s)  
  
A Total of 8760 Hours Were Processed  
  
A Total of 193 Calm Hours Identified  
  
A Total of 100 Missing Hours Identified ( 1.14 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Costa Sur 2013**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO2

\*\*Note that special processing requirements apply for the 1-hour SO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 12151 Receptor(s)

with: 5 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)



# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

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and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 229.9 MB of RAM.

\*\*Input Runstream File: GuayanillaSO22013Emissions\_2013\_SO2.DTA

\*\*Output Print File: GuayanillaSO22013Emissions\_2013\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
Documents\INFORMES\SO2Designation2016withactualemi2013to2015\Guayanill

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Surface file: TALL13.sfc Met Version: 15181  
Profile file: TALL13.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2013 Year: 2013

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

-----  
13 01 01 1 01 -19.2 0.357 -9.000 -9.000 -999. 512. 215.1 1.20 0.28 1.00 2.10 83. 10.0 297.9 10.0  
13 01 01 1 02 -36.9 0.360 -9.000 -9.000 -999. 518. 114.2 1.20 0.28 1.00 2.30 90. 10.0 297.6 10.0  
13 01 01 1 03 -27.0 0.333 -9.000 -9.000 -999. 461. 123.3 1.20 0.28 1.00 2.10 89. 10.0 297.1 10.0  
13 01 01 1 04 -22.1 0.215 -9.000 -9.000 -999. 247. 40.9 1.20 0.28 1.00 1.80 93. 10.0 297.1 10.0

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1-Hour SO<sub>2</sub> Designation Modeling Results

13	01	01	1	05	-12.6	0.141	-9.000	-9.000	-999.	130.	20.4	1.20	0.28	1.00	1.50	80.	10.0	297.1	10.0
13	01	01	1	06	-22.1	0.216	-9.000	-9.000	-999.	240.	41.0	1.20	0.28	1.00	1.80	84.	10.0	297.4	10.0
13	01	01	1	07	-22.1	0.215	-9.000	-9.000	-999.	240.	40.8	1.20	0.28	1.00	1.80	59.	10.0	297.0	10.0
13	01	01	1	08	-9.5	0.240	-9.000	-9.000	-999.	282.	131.9	1.20	0.28	0.46	1.50	18.	10.0	297.4	10.0
13	01	01	1	09	23.9	0.281	0.591	0.005	313.	357.	-84.3	1.20	0.28	0.23	1.30	60.	10.0	298.4	10.0
13	01	01	1	10	14.6	0.519	0.617	0.005	583.	897.	-865.0	1.20	0.28	0.16	2.70	83.	10.0	299.5	10.0
13	01	01	1	11	64.7	0.937	1.174	0.008	908.	2177.	-1155.5	1.20	0.28	0.14	4.90	92.	10.0	300.9	10.0
13	01	01	1	12	75.3	0.958	1.268	0.008	984.	2246.	-1057.4	1.20	0.28	0.14	5.00	90.	10.0	301.4	10.0
13	01	01	1	13	79.0	0.885	1.321	0.007	1058.	2013.	-795.4	1.20	0.28	0.13	4.60	99.	10.0	301.9	10.0
13	01	01	1	14	75.0	0.958	1.323	0.008	1121.	2244.	-1063.9	0.86	0.28	0.14	5.80	143.	10.0	299.9	10.0
13	01	01	1	15	79.3	1.023	1.374	0.007	1186.	2474.	-1221.0	0.86	0.28	0.14	6.20	149.	10.0	300.1	10.0
13	01	01	1	16	57.8	0.808	1.253	0.006	1232.	1811.	-824.2	1.20	0.28	0.16	4.20	50.	10.0	301.0	10.0
13	01	01	1	17	28.6	0.456	0.997	0.005	1253.	913.	-298.8	1.20	0.28	0.22	2.30	60.	10.0	300.6	10.0
13	01	01	1	18	-14.9	0.473	-9.000	-9.000	-999.	784.	644.8	1.20	0.28	0.46	2.60	41.	10.0	299.6	10.0
13	01	01	1	19	-36.8	0.360	-9.000	-9.000	-999.	528.	114.9	1.20	0.28	1.00	2.30	68.	10.0	298.9	10.0
13	01	01	1	20	-25.9	0.253	-9.000	-9.000	-999.	313.	56.7	1.20	0.28	1.00	1.90	75.	10.0	298.4	10.0
13	01	01	1	21	-6.8	0.104	-9.000	-9.000	-999.	102.	15.0	1.20	0.28	1.00	1.10	54.	10.0	297.4	10.0
13	01	01	1	22	-11.0	0.132	-9.000	-9.000	-999.	115.	19.0	1.20	0.28	1.00	1.40	58.	10.0	297.4	10.0
13	01	01	1	23	-8.1	0.113	-9.000	-9.000	-999.	91.	16.3	1.20	0.28	1.00	1.20	55.	10.0	297.4	10.0
13	01	01	1	24	-7.2	0.113	-9.000	-9.000	-999.	91.	18.4	1.20	0.28	1.00	1.20	43.	10.0	297.4	10.0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB\_TMP sigmaA sigmaW sigmaV  
 13 01 01 01 10.0 1 83. 2.10 297.9 99.0 -99.00 -99.00

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

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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ALL	1ST HIGHEST VALUE IS	1059.84390 AT (	739100.00,	1993850.00,	140.71,	140.71,	0.00)	DC
	2ND HIGHEST VALUE IS	1046.31540 AT (	739550.00,	1993900.00,	152.96,	152.96,	0.00)	DC
	3RD HIGHEST VALUE IS	1031.04712 AT (	739150.00,	1993850.00,	141.04,	151.00,	0.00)	DC
	4TH HIGHEST VALUE IS	1030.42259 AT (	739550.00,	1993950.00,	152.96,	152.96,	0.00)	DC
	5TH HIGHEST VALUE IS	1021.76503 AT (	739500.00,	1993850.00,	145.77,	154.00,	0.00)	DC
	6TH HIGHEST VALUE IS	1007.80534 AT (	739550.00,	1993850.00,	152.81,	154.00,	0.00)	DC
	7TH HIGHEST VALUE IS	993.95353 AT (	739400.00,	1994350.00,	149.05,	171.00,	0.00)	DC
	8TH HIGHEST VALUE IS	989.15264 AT (	739500.00,	1993900.00,	145.96,	161.00,	0.00)	DC
	9TH HIGHEST VALUE IS	987.03601 AT (	739200.00,	1993900.00,	142.59,	151.00,	0.00)	DC
	10TH HIGHEST VALUE IS	980.88819 AT (	739150.00,	1993900.00,	138.46,	151.00,	0.00)	DC
SC3	1ST HIGHEST VALUE IS	12.82116 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	12.77091 AT (	738200.00,	1993750.00,	118.71,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	12.62437 AT (	738300.00,	1993850.00,	123.55,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	12.45164 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	12.41886 AT (	738150.00,	1993900.00,	122.08,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	12.36742 AT (	738200.00,	1993800.00,	126.31,	126.31,	0.00)	DC
	7TH HIGHEST VALUE IS	12.07821 AT (	738750.00,	1993000.00,	109.69,	112.00,	0.00)	DC
	8TH HIGHEST VALUE IS	12.07821 AT (	738750.00,	1993000.00,	109.69,	112.00,	0.00)	DC
	9TH HIGHEST VALUE IS	12.07821 AT (	738750.00,	1993000.00,	109.69,	112.00,	0.00)	DC
	10TH HIGHEST VALUE IS	11.93137 AT (	738200.00,	1993850.00,	125.63,	128.00,	0.00)	DC
SC4	1ST HIGHEST VALUE IS	3.35691 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	3.30586 AT (	738300.00,	1993850.00,	123.55,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	3.30432 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	3.29478 AT (	738150.00,	1993900.00,	122.08,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	3.29221 AT (	738200.00,	1993750.00,	118.71,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	3.20272 AT (	738200.00,	1993900.00,	124.47,	124.47,	0.00)	DC
	7TH HIGHEST VALUE IS	3.18295 AT (	738200.00,	1993850.00,	125.63,	128.00,	0.00)	DC
	8TH HIGHEST VALUE IS	3.16736 AT (	738150.00,	1993950.00,	118.92,	128.00,	0.00)	DC
	9TH HIGHEST VALUE IS	3.14774 AT (	738200.00,	1993800.00,	126.31,	126.31,	0.00)	DC
	10TH HIGHEST VALUE IS	3.14525 AT (	737950.00,	1993850.00,	114.85,	114.85,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	336.94490 AT (	739100.00,	1993850.00,	140.71,	140.71,	0.00)	DC
	2ND HIGHEST VALUE IS	328.54088 AT (	739550.00,	1993950.00,	152.96,	152.96,	0.00)	DC
	3RD HIGHEST VALUE IS	326.13656 AT (	739550.00,	1993900.00,	152.96,	152.96,	0.00)	DC
	4TH HIGHEST VALUE IS	320.60779 AT (	739500.00,	1993850.00,	145.77,	154.00,	0.00)	DC
	5TH HIGHEST VALUE IS	317.61892 AT (	739500.00,	1993900.00,	145.96,	161.00,	0.00)	DC
	6TH HIGHEST VALUE IS	315.13988 AT (	739150.00,	1993850.00,	141.04,	151.00,	0.00)	DC
	7TH HIGHEST VALUE IS	314.43901 AT (	739550.00,	1994000.00,	154.82,	161.00,	0.00)	DC
	8TH HIGHEST VALUE IS	311.94869 AT (	739400.00,	1994350.00,	149.05,	171.00,	0.00)	DC
	9TH HIGHEST VALUE IS	306.59305 AT (	739550.00,	1993850.00,	152.81,	154.00,	0.00)	DC
	10TH HIGHEST VALUE IS	306.08999 AT (	739150.00,	1993900.00,	138.46,	151.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6	1ST HIGHEST VALUE IS	717.35140 AT ( 739550.00, 1993900.00, 152.96, 152.96, 0.00) DC
	2ND HIGHEST VALUE IS	715.15451 AT ( 739100.00, 1993850.00, 140.71, 140.71, 0.00) DC
	3RD HIGHEST VALUE IS	710.12812 AT ( 739150.00, 1993850.00, 141.04, 151.00, 0.00) DC
	4TH HIGHEST VALUE IS	698.87090 AT ( 739550.00, 1993850.00, 152.81, 154.00, 0.00) DC
	5TH HIGHEST VALUE IS	698.65058 AT ( 739550.00, 1993950.00, 152.96, 152.96, 0.00) DC
	6TH HIGHEST VALUE IS	696.39677 AT ( 739500.00, 1993850.00, 145.77, 154.00, 0.00) DC
	7TH HIGHEST VALUE IS	685.43166 AT ( 739200.00, 1993900.00, 142.59, 151.00, 0.00) DC
	8TH HIGHEST VALUE IS	678.18621 AT ( 739400.00, 1994350.00, 149.05, 171.00, 0.00) DC
	9TH HIGHEST VALUE IS	667.07951 AT ( 739150.00, 1993900.00, 138.46, 151.00, 0.00) DC
	10TH HIGHEST VALUE IS	666.24111 AT ( 739500.00, 1993900.00, 145.96, 161.00, 0.00) DC

PB1	1ST HIGHEST VALUE IS	0.25684 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.25684 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.21632 AT ( 738650.00, 1993000.00, 98.86, 112.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.20972 AT ( 738900.00, 1993050.00, 106.36, 112.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.20833 AT ( 738700.00, 1993000.00, 105.08, 112.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.20525 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.20119 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC
	8TH HIGHEST VALUE IS	0.20069 AT ( 738350.00, 1993800.00, 120.00, 128.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.20045 AT ( 738100.00, 1993000.00, 94.29, 98.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.19996 AT ( 738950.00, 1993100.00, 105.22, 112.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO<sub>2</sub> IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID		NETWORK
ALL	1ST HIGHEST VALUE IS 944.53763 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC	
	2ND HIGHEST VALUE IS 938.13364 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC	
	3RD HIGHEST VALUE IS 932.31966 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC	
	4TH HIGHEST VALUE IS 903.01672 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC	
	5TH HIGHEST VALUE IS 882.67653 AT ( 739550.00, 1994000.00, 154.82, 161.00, 0.00) DC	
	6TH HIGHEST VALUE IS 878.74479 AT ( 738650.00, 1995050.00, 148.48, 974.00, 0.00) DC	
	7TH HIGHEST VALUE IS 871.30217 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC	
	8TH HIGHEST VALUE IS 857.93054 AT ( 739550.00, 1994050.00, 156.87, 171.00, 0.00) DC	
	9TH HIGHEST VALUE IS 853.55781 AT ( 738600.00, 1994800.00, 145.09, 161.00, 0.00) DC	
	10TH HIGHEST VALUE IS 850.76992 AT ( 739550.00, 1993950.00, 152.96, 152.96, 0.00) DC	
SC3	1ST HIGHEST VALUE IS 12.61303 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC	
	2ND HIGHEST VALUE IS 12.60986 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC	
	3RD HIGHEST VALUE IS 12.33990 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC	
	4TH HIGHEST VALUE IS 12.15963 AT ( 738250.00, 1993800.00, 121.00, 128.00, 0.00) DC	
	5TH HIGHEST VALUE IS 12.15336 AT ( 738250.00, 1993850.00, 124.81, 128.00, 0.00) DC	
	6TH HIGHEST VALUE IS 11.99459 AT ( 738150.00, 1993900.00, 122.08, 128.00, 0.00) DC	
	7TH HIGHEST VALUE IS 11.89341 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC	
	8TH HIGHEST VALUE IS 11.82496 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC	
	9TH HIGHEST VALUE IS 11.64497 AT ( 738150.00, 1993950.00, 118.92, 128.00, 0.00) DC	
	10TH HIGHEST VALUE IS 11.63483 AT ( 738250.00, 1993900.00, 128.00, 128.00, 0.00) DC	
SC4	1ST HIGHEST VALUE IS 3.32894 AT ( 738250.00, 1993800.00, 121.00, 128.00, 0.00) DC	
	2ND HIGHEST VALUE IS 3.28987 AT ( 738250.00, 1993850.00, 124.81, 128.00, 0.00) DC	
	3RD HIGHEST VALUE IS 3.28971 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC	
	4TH HIGHEST VALUE IS 3.25165 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC	
	5TH HIGHEST VALUE IS 3.22206 AT ( 738150.00, 1993900.00, 122.08, 128.00, 0.00) DC	
	6TH HIGHEST VALUE IS 3.14531 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC	
	7TH HIGHEST VALUE IS 3.13311 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC	
	8TH HIGHEST VALUE IS 3.11947 AT ( 738250.00, 1993900.00, 128.00, 128.00, 0.00) DC	
	9TH HIGHEST VALUE IS 3.11885 AT ( 738350.00, 1993800.00, 120.00, 128.00, 0.00) DC	
	10TH HIGHEST VALUE IS 3.11012 AT ( 738350.00, 1993850.00, 127.86, 127.86, 0.00) DC	
SC5	1ST HIGHEST VALUE IS 303.53343 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC	

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 300.52104 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 293.40991 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC  
 4TH HIGHEST VALUE IS 281.19209 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC  
 5TH HIGHEST VALUE IS 279.01845 AT ( 739750.00, 1993650.00, 140.92, 140.92, 0.00) DC  
 6TH HIGHEST VALUE IS 278.64175 AT ( 739550.00, 1994050.00, 156.87, 171.00, 0.00) DC  
 7TH HIGHEST VALUE IS 276.86751 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC  
 8TH HIGHEST VALUE IS 276.76016 AT ( 739550.00, 1994000.00, 154.82, 161.00, 0.00) DC  
 9TH HIGHEST VALUE IS 272.79650 AT ( 738650.00, 1995050.00, 148.48, 974.00, 0.00) DC  
 10TH HIGHEST VALUE IS 269.03718 AT ( 738800.00, 1994850.00, 156.14, 161.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 639.85710 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC  
 2ND HIGHEST VALUE IS 636.15715 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 627.79144 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
 4TH HIGHEST VALUE IS 618.08737 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC  
 5TH HIGHEST VALUE IS 602.35618 AT ( 739550.00, 1994000.00, 154.82, 161.00, 0.00) DC  
 6TH HIGHEST VALUE IS 601.41403 AT ( 738650.00, 1995050.00, 148.48, 974.00, 0.00) DC  
 7TH HIGHEST VALUE IS 587.16944 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC  
 8TH HIGHEST VALUE IS 586.49496 AT ( 739550.00, 1993950.00, 152.96, 152.96, 0.00) DC  
 9TH HIGHEST VALUE IS 584.94846 AT ( 738600.00, 1994800.00, 145.09, 161.00, 0.00) DC  
 10TH HIGHEST VALUE IS 583.53947 AT ( 738700.00, 1995250.00, 156.99, 974.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.20073 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.19891 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.19891 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.19445 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.19328 AT ( 738100.00, 1993000.00, 94.29, 98.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.19256 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.19227 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC  
 8TH HIGHEST VALUE IS 0.19214 AT ( 738350.00, 1993800.00, 120.00, 128.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.19146 AT ( 738400.00, 1993850.00, 114.95, 128.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.19052 AT ( 738400.00, 1993800.00, 113.55, 128.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 894.82679 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
 2ND HIGHEST VALUE IS 894.33977 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 853.10172 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC  
 4TH HIGHEST VALUE IS 831.08024 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC  
 5TH HIGHEST VALUE IS 794.00760 AT ( 738650.00, 1994800.00, 152.76, 161.00, 0.00) DC  
 6TH HIGHEST VALUE IS 784.54403 AT ( 738250.00, 1994850.00, 140.73, 974.00, 0.00) DC  
 7TH HIGHEST VALUE IS 778.59366 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC  
 8TH HIGHEST VALUE IS 761.92118 AT ( 738500.00, 1994850.00, 139.49, 974.00, 0.00) DC  
 9TH HIGHEST VALUE IS 756.46955 AT ( 738700.00, 1995050.00, 150.67, 974.00, 0.00) DC  
 10TH HIGHEST VALUE IS 753.36232 AT ( 738650.00, 1994850.00, 154.19, 161.00, 0.00) DC

SC3 1ST HIGHEST VALUE IS 12.10044 AT ( 738250.00, 1993850.00, 124.81, 128.00, 0.00) DC  
 2ND HIGHEST VALUE IS 12.04421 AT ( 738250.00, 1993800.00, 121.00, 128.00, 0.00) DC  
 3RD HIGHEST VALUE IS 11.93230 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC  
 4TH HIGHEST VALUE IS 11.58690 AT ( 738250.00, 1993900.00, 128.00, 128.00, 0.00) DC  
 5TH HIGHEST VALUE IS 11.43274 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC  
 6TH HIGHEST VALUE IS 11.41179 AT ( 738200.00, 1993900.00, 124.47, 124.47, 0.00) DC  
 7TH HIGHEST VALUE IS 11.40061 AT ( 738300.00, 1993900.00, 117.46, 128.00, 0.00) DC  
 8TH HIGHEST VALUE IS 11.23993 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC  
 9TH HIGHEST VALUE IS 11.04527 AT ( 738250.00, 1993950.00, 128.00, 128.00, 0.00) DC  
 10TH HIGHEST VALUE IS 10.95063 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

SC4 1ST HIGHEST VALUE IS 3.32496 AT ( 738250.00, 1993800.00, 121.00, 128.00, 0.00) DC  
 2ND HIGHEST VALUE IS 3.28594 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.18764 AT ( 738250.00, 1993850.00, 124.81, 128.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.14088 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC  
 5TH HIGHEST VALUE IS 3.05374 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC  
 6TH HIGHEST VALUE IS 3.02625 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.99231 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.98016 AT ( 738300.00, 1993900.00, 117.46, 128.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.96341 AT ( 738300.00, 1994050.00, 121.62, 128.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.92831 AT ( 738250.00, 1993900.00, 128.00, 128.00, 0.00) DC

SC5 1ST HIGHEST VALUE IS 275.34813 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
 2ND HIGHEST VALUE IS 274.28132 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 263.71829 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC  
 4TH HIGHEST VALUE IS 252.75646 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC  
 5TH HIGHEST VALUE IS 248.83323 AT ( 738650.00, 1994850.00, 154.19, 161.00, 0.00) DC  
 6TH HIGHEST VALUE IS 241.56336 AT ( 738700.00, 1995050.00, 150.67, 974.00, 0.00) DC  
 7TH HIGHEST VALUE IS 239.84903 AT ( 738650.00, 1994800.00, 152.76, 161.00, 0.00) DC  
 8TH HIGHEST VALUE IS 239.01672 AT ( 738250.00, 1994850.00, 140.73, 974.00, 0.00) DC  
 9TH HIGHEST VALUE IS 237.41873 AT ( 735300.00, 1994900.00, 156.76, 886.00, 0.00) DC  
 10TH HIGHEST VALUE IS 235.62200 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 617.11575 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
 2ND HIGHEST VALUE IS 617.04972 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 583.13943 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC  
 4TH HIGHEST VALUE IS 574.55665 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC  
 5TH HIGHEST VALUE IS 540.16577 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 539.91578 AT ( 738250.00, 1994850.00, 140.73, 974.00, 0.00) DC  
 7TH HIGHEST VALUE IS 535.93156 AT ( 738650.00, 1994800.00, 152.76, 161.00, 0.00) DC  
 8TH HIGHEST VALUE IS 520.73394 AT ( 738500.00, 1994850.00, 139.49, 974.00, 0.00) DC  
 9TH HIGHEST VALUE IS 516.46266 AT ( 738650.00, 1995050.00, 148.48, 974.00, 0.00) DC  
 10TH HIGHEST VALUE IS 513.65226 AT ( 738650.00, 1995200.00, 144.44, 974.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.19206 AT ( 738350.00, 1993800.00, 120.00, 128.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.18789 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.18789 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.18501 AT ( 738100.00, 1993000.00, 94.29, 98.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.18500 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.18367 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC  
 7TH HIGHEST VALUE IS 0.18307 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.18118 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.17994 AT ( 738350.00, 1993850.00, 127.86, 127.86, 0.00) DC  
 10TH HIGHEST VALUE IS 0.17767 AT ( 738200.00, 1993900.00, 124.47, 124.47, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
 06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* \*\*\* 10:07:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 782.29764 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC  
 2ND HIGHEST VALUE IS 761.63887 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 747.98610 AT ( 735300.00, 1994900.00, 156.76, 886.00, 0.00) DC  
 4TH HIGHEST VALUE IS 733.26649 AT ( 735250.00, 1994950.00, 154.81, 886.00, 0.00) DC  
 5TH HIGHEST VALUE IS 726.06509 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00) DC  
 6TH HIGHEST VALUE IS 723.54032 AT ( 738500.00, 1994850.00, 139.49, 974.00, 0.00) DC  
 7TH HIGHEST VALUE IS 714.93132 AT ( 735350.00, 1994850.00, 146.30, 886.00, 0.00) DC  
 8TH HIGHEST VALUE IS 710.39478 AT ( 735300.00, 1994850.00, 149.81, 886.00, 0.00) DC  
 9TH HIGHEST VALUE IS 707.75700 AT ( 735300.00, 1994950.00, 154.81, 886.00, 0.00) DC  
 10TH HIGHEST VALUE IS 705.52582 AT ( 735350.00, 1994900.00, 155.76, 886.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

SC3	1ST HIGHEST VALUE IS	11.66373 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	10.89642 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	10.85122 AT (	738200.00,	1993800.00,	126.31,	126.31,	0.00)	DC
	4TH HIGHEST VALUE IS	10.53110 AT (	738300.00,	1994050.00,	121.62,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	10.46844 AT (	738200.00,	1993750.00,	118.71,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	10.43081 AT (	738300.00,	1994000.00,	118.71,	128.00,	0.00)	DC
	7TH HIGHEST VALUE IS	10.15170 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	8TH HIGHEST VALUE IS	10.15170 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	9TH HIGHEST VALUE IS	10.15170 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	10TH HIGHEST VALUE IS	10.11809 AT (	738200.00,	1993850.00,	125.63,	128.00,	0.00)	DC
SC4	1ST HIGHEST VALUE IS	2.84768 AT (	738300.00,	1993850.00,	123.55,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	2.84656 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	2.80473 AT (	738300.00,	1993900.00,	117.46,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	2.76896 AT (	738200.00,	1993750.00,	118.71,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	2.71176 AT (	738300.00,	1994000.00,	118.71,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	2.71022 AT (	738200.00,	1993900.00,	124.47,	124.47,	0.00)	DC
	7TH HIGHEST VALUE IS	2.66053 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	8TH HIGHEST VALUE IS	2.66053 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	9TH HIGHEST VALUE IS	2.66053 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	10TH HIGHEST VALUE IS	2.63242 AT (	738200.00,	1993950.00,	126.40,	128.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	257.87309 AT (	738250.00,	1994900.00,	150.70,	974.00,	0.00)	DC
	2ND HIGHEST VALUE IS	251.77545 AT (	738250.00,	1994950.00,	153.83,	974.00,	0.00)	DC
	3RD HIGHEST VALUE IS	236.45985 AT (	735300.00,	1994900.00,	156.76,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	234.26818 AT (	738500.00,	1994850.00,	139.49,	974.00,	0.00)	DC
	5TH HIGHEST VALUE IS	232.08186 AT (	735250.00,	1994950.00,	154.81,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	227.56653 AT (	738250.00,	1994850.00,	140.73,	974.00,	0.00)	DC
	7TH HIGHEST VALUE IS	225.23730 AT (	735350.00,	1994850.00,	146.30,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	224.65617 AT (	735300.00,	1994850.00,	149.81,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	223.47257 AT (	735300.00,	1994950.00,	154.81,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	222.76733 AT (	735350.00,	1994900.00,	155.76,	886.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK				RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
SC6	1ST HIGHEST VALUE IS	519.87598	AT (	738250.00,	1994900.00,	150.70, 974.00, 0.00) DC
	2ND HIGHEST VALUE IS	508.66296	AT (	735300.00,	1994900.00,	156.76, 886.00, 0.00) DC
	3RD HIGHEST VALUE IS	506.17159	AT (	738250.00,	1994950.00,	153.83, 974.00, 0.00) DC
	4TH HIGHEST VALUE IS	503.30342	AT (	738550.00,	1994850.00,	143.20, 974.00, 0.00) DC
	5TH HIGHEST VALUE IS	498.28459	AT (	735250.00,	1994950.00,	154.81, 886.00, 0.00) DC
	6TH HIGHEST VALUE IS	484.64799	AT (	735350.00,	1994850.00,	146.30, 886.00, 0.00) DC
	7TH HIGHEST VALUE IS	482.09510	AT (	735300.00,	1994850.00,	149.81, 886.00, 0.00) DC
	8TH HIGHEST VALUE IS	481.23545	AT (	735300.00,	1994950.00,	154.81, 886.00, 0.00) DC
	9TH HIGHEST VALUE IS	480.24575	AT (	738500.00,	1994850.00,	139.49, 974.00, 0.00) DC
	10TH HIGHEST VALUE IS	479.85308	AT (	735350.00,	1994900.00,	155.76, 886.00, 0.00) DC

PB1	1ST HIGHEST VALUE IS	0.18042	AT (	738350.00,	1993800.00,	120.00, 128.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.17925	AT (	738350.00,	1993850.00,	127.86, 127.86, 0.00) DC
	3RD HIGHEST VALUE IS	0.17163	AT (	738250.00,	1993800.00,	121.00, 128.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.16543	AT (	738300.00,	1993850.00,	123.55, 128.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.16212	AT (	738250.00,	1993750.00,	112.33, 128.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.16212	AT (	738250.00,	1993750.00,	112.33, 128.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.16212	AT (	738250.00,	1993750.00,	112.33, 128.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.16155	AT (	738300.00,	1993900.00,	117.46, 128.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.16137	AT (	738350.00,	1993900.00,	110.87, 128.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.16049	AT (	738250.00,	1993850.00,	124.81, 128.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK				RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
ALL	1ST HIGHEST VALUE IS	720.47562	AT (	738500.00,	1994850.00,	139.49, 974.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	711.45674 AT (	738550.00,	1994850.00,	143.20,	974.00,	0.00)	DC
	3RD HIGHEST VALUE IS	648.66571 AT (	735350.00,	1994900.00,	155.76,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	646.50413 AT (	736000.00,	1996050.00,	154.86,	991.00,	0.00)	DC
	5TH HIGHEST VALUE IS	631.76788 AT (	735400.00,	1994850.00,	144.73,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	628.34924 AT (	735300.00,	1994950.00,	154.81,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	626.60827 AT (	735400.00,	1994900.00,	151.03,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	625.44558 AT (	735350.00,	1994950.00,	148.87,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	625.30277 AT (	738600.00,	1994900.00,	148.77,	974.00,	0.00)	DC
	10TH HIGHEST VALUE IS	624.87300 AT (	735950.00,	1996000.00,	150.69,	991.00,	0.00)	DC
SC3	1ST HIGHEST VALUE IS	11.64343 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	10.88752 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	10.51454 AT (	738300.00,	1994050.00,	121.62,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	10.30508 AT (	738300.00,	1994000.00,	118.71,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	9.95943 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	9.95943 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	7TH HIGHEST VALUE IS	9.95943 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	8TH HIGHEST VALUE IS	9.76786 AT (	738250.00,	1993900.00,	128.00,	128.00,	0.00)	DC
	9TH HIGHEST VALUE IS	9.61933 AT (	738300.00,	1993850.00,	123.55,	128.00,	0.00)	DC
	10TH HIGHEST VALUE IS	9.56709 AT (	738300.00,	1993900.00,	117.46,	128.00,	0.00)	DC
SC4	1ST HIGHEST VALUE IS	2.84165 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	2.83072 AT (	738300.00,	1993850.00,	123.55,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	2.76678 AT (	738300.00,	1993900.00,	117.46,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	2.70580 AT (	738300.00,	1994000.00,	118.71,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	2.62312 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	2.59736 AT (	738300.00,	1994050.00,	121.62,	128.00,	0.00)	DC
	7TH HIGHEST VALUE IS	2.56508 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	8TH HIGHEST VALUE IS	2.56508 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	9TH HIGHEST VALUE IS	2.56508 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	10TH HIGHEST VALUE IS	2.51042 AT (	738200.00,	1993800.00,	126.31,	126.31,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	233.63666 AT (	738500.00,	1994850.00,	139.49,	974.00,	0.00)	DC
	2ND HIGHEST VALUE IS	214.00654 AT (	738550.00,	1994850.00,	143.20,	974.00,	0.00)	DC
	3RD HIGHEST VALUE IS	205.54744 AT (	735350.00,	1994900.00,	155.76,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	202.93722 AT (	736000.00,	1996050.00,	154.86,	991.00,	0.00)	DC
	5TH HIGHEST VALUE IS	199.49806 AT (	735400.00,	1994850.00,	144.73,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	199.08764 AT (	735300.00,	1994950.00,	154.81,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	198.80207 AT (	735950.00,	1996000.00,	150.69,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	197.33443 AT (	735400.00,	1994900.00,	151.03,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	196.86945 AT (	735350.00,	1994950.00,	148.87,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	195.99462 AT (	735550.00,	1994800.00,	144.17,	886.00,	0.00)	DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
SC6	1ST HIGHEST VALUE IS 493.04124 AT ( 738550.00, 1994850.00, 143.20, 974.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 478.17360 AT ( 738500.00, 1994850.00, 139.49, 974.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 440.78379 AT ( 735350.00, 1994900.00, 155.76, 886.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 440.72590 AT ( 736000.00, 1996050.00, 154.86, 991.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 437.92022 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 427.88609 AT ( 735400.00, 1994850.00, 144.73, 886.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 426.89870 AT ( 735300.00, 1994950.00, 154.81, 886.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 425.83775 AT ( 735400.00, 1994900.00, 151.03, 886.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 424.66031 AT ( 735350.00, 1994950.00, 148.87, 886.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 423.23218 AT ( 735550.00, 1994800.00, 144.17, 886.00, 0.00)	DC	
PB1	1ST HIGHEST VALUE IS 0.17998 AT ( 738350.00, 1993800.00, 120.00, 128.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.17923 AT ( 738350.00, 1993850.00, 127.86, 127.86, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.16125 AT ( 738350.00, 1993900.00, 110.87, 128.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.15181 AT ( 738350.00, 1993750.00, 105.12, 128.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.14806 AT ( 738550.00, 1994750.00, 124.61, 974.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.14635 AT ( 738550.00, 1994950.00, 121.88, 974.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.14588 AT ( 738450.00, 1994350.00, 113.92, 135.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.14493 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 0.14481 AT ( 738450.00, 1994250.00, 122.63, 135.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 0.14455 AT ( 738550.00, 1994900.00, 135.42, 974.00, 0.00)	DC	

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID		NETWORK
ALL	1ST HIGHEST VALUE IS 611.23974 AT ( 735550.00, 1994800.00, 144.17, 886.00, 0.00) DC	
	2ND HIGHEST VALUE IS 577.62225 AT ( 735550.00, 1994850.00, 147.27, 886.00, 0.00) DC	
	3RD HIGHEST VALUE IS 574.28468 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC	
	4TH HIGHEST VALUE IS 572.20061 AT ( 738600.00, 1994850.00, 149.68, 161.00, 0.00) DC	
	5TH HIGHEST VALUE IS 569.77847 AT ( 735800.00, 1996100.00, 157.83, 991.00, 0.00) DC	
	6TH HIGHEST VALUE IS 562.46295 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC	
	7TH HIGHEST VALUE IS 561.45347 AT ( 735150.00, 1995350.00, 150.35, 886.00, 0.00) DC	
	8TH HIGHEST VALUE IS 559.40256 AT ( 736100.00, 1996050.00, 160.95, 984.00, 0.00) DC	
	9TH HIGHEST VALUE IS 558.00781 AT ( 735200.00, 1995250.00, 156.51, 886.00, 0.00) DC	
	10TH HIGHEST VALUE IS 557.87001 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC	
SC3	1ST HIGHEST VALUE IS 8.10675 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC	
	2ND HIGHEST VALUE IS 7.64947 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC	
	3RD HIGHEST VALUE IS 7.31203 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC	
	4TH HIGHEST VALUE IS 7.00999 AT ( 738250.00, 1994100.00, 120.14, 128.00, 0.00) DC	
	5TH HIGHEST VALUE IS 7.00674 AT ( 738200.00, 1994000.00, 120.66, 128.00, 0.00) DC	
	6TH HIGHEST VALUE IS 6.86460 AT ( 738150.00, 1993950.00, 118.92, 128.00, 0.00) DC	
	7TH HIGHEST VALUE IS 6.80732 AT ( 738250.00, 1994050.00, 125.00, 125.00, 0.00) DC	
	8TH HIGHEST VALUE IS 6.71948 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC	
	9TH HIGHEST VALUE IS 6.70775 AT ( 738150.00, 1993900.00, 122.08, 128.00, 0.00) DC	
	10TH HIGHEST VALUE IS 6.59770 AT ( 738200.00, 1993950.00, 126.40, 128.00, 0.00) DC	
SC4	1ST HIGHEST VALUE IS 2.01965 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC	
	2ND HIGHEST VALUE IS 1.98580 AT ( 738200.00, 1993950.00, 126.40, 128.00, 0.00) DC	
	3RD HIGHEST VALUE IS 1.98048 AT ( 738250.00, 1994000.00, 125.14, 125.14, 0.00) DC	
	4TH HIGHEST VALUE IS 1.98048 AT ( 738250.00, 1994000.00, 125.14, 125.14, 0.00) DC	
	5TH HIGHEST VALUE IS 1.98048 AT ( 738250.00, 1994000.00, 125.14, 125.14, 0.00) DC	
	6TH HIGHEST VALUE IS 1.97280 AT ( 738200.00, 1993900.00, 124.47, 124.47, 0.00) DC	
	7TH HIGHEST VALUE IS 1.96956 AT ( 738150.00, 1993900.00, 122.08, 128.00, 0.00) DC	
	8TH HIGHEST VALUE IS 1.85434 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC	
	9TH HIGHEST VALUE IS 1.84520 AT ( 738350.00, 1993850.00, 127.86, 127.86, 0.00) DC	
	10TH HIGHEST VALUE IS 1.82509 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC	
SC5	1ST HIGHEST VALUE IS 193.44635 AT ( 735550.00, 1994800.00, 144.17, 886.00, 0.00) DC	

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 184.98713 AT ( 738600.00, 1994900.00, 148.77, 974.00, 0.00) DC  
 3RD HIGHEST VALUE IS 181.29890 AT ( 735550.00, 1994850.00, 147.27, 886.00, 0.00) DC  
 4TH HIGHEST VALUE IS 180.29150 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 180.05706 AT ( 735800.00, 1996100.00, 157.83, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 177.17930 AT ( 735200.00, 1995250.00, 156.51, 886.00, 0.00) DC  
 7TH HIGHEST VALUE IS 176.97224 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 176.94983 AT ( 736100.00, 1996050.00, 160.95, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 176.62877 AT ( 735150.00, 1995350.00, 150.35, 886.00, 0.00) DC  
 10TH HIGHEST VALUE IS 174.88910 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 413.39358 AT ( 735550.00, 1994800.00, 144.17, 886.00, 0.00) DC  
 2ND HIGHEST VALUE IS 392.25921 AT ( 735550.00, 1994850.00, 147.27, 886.00, 0.00) DC  
 3RD HIGHEST VALUE IS 391.22720 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 386.86164 AT ( 735800.00, 1996100.00, 157.83, 991.00, 0.00) DC  
 5TH HIGHEST VALUE IS 381.54230 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 381.54016 AT ( 735150.00, 1995350.00, 150.35, 886.00, 0.00) DC  
 7TH HIGHEST VALUE IS 380.14385 AT ( 736100.00, 1996050.00, 160.95, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 380.12227 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 378.86768 AT ( 735200.00, 1995250.00, 156.51, 886.00, 0.00) DC  
 10TH HIGHEST VALUE IS 376.51934 AT ( 736150.00, 1996050.00, 159.92, 984.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.13215 AT ( 738250.00, 1993800.00, 121.00, 128.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.12740 AT ( 738100.00, 1993000.00, 94.29, 98.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.12661 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.12514 AT ( 738400.00, 1993800.00, 113.55, 128.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.12434 AT ( 738150.00, 1993000.00, 91.46, 102.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.12374 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.12114 AT ( 738300.00, 1993900.00, 117.46, 128.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.12107 AT ( 738250.00, 1993850.00, 124.81, 128.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.12005 AT ( 738250.00, 1993750.00, 112.33, 128.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.12005 AT ( 738250.00, 1993750.00, 112.33, 128.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 566.64152 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 544.05756 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 533.63610 AT ( 735550.00, 1994850.00, 147.27, 886.00, 0.00) DC  
 4TH HIGHEST VALUE IS 521.93319 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 520.95263 AT ( 736050.00, 1996050.00, 161.90, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 520.69906 AT ( 736050.00, 1995700.00, 139.73, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 518.21944 AT ( 736150.00, 1996050.00, 159.92, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 509.72184 AT ( 735750.00, 1996350.00, 161.85, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 509.48014 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 509.25734 AT ( 735750.00, 1996400.00, 159.22, 991.00, 0.00) DC

SC3 1ST HIGHEST VALUE IS 6.28548 AT ( 738200.00, 1993900.00, 124.47, 124.47, 0.00) DC  
 2ND HIGHEST VALUE IS 5.90374 AT ( 736100.00, 1995550.00, 125.33, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 5.81730 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC  
 4TH HIGHEST VALUE IS 5.78432 AT ( 738200.00, 1993950.00, 126.40, 128.00, 0.00) DC  
 5TH HIGHEST VALUE IS 5.77925 AT ( 738150.00, 1993900.00, 122.08, 128.00, 0.00) DC  
 6TH HIGHEST VALUE IS 5.66532 AT ( 736000.00, 1995800.00, 125.14, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 5.49646 AT ( 736050.00, 1995750.00, 126.73, 991.00, 0.00) DC  
 8TH HIGHEST VALUE IS 5.37001 AT ( 735700.00, 1994600.00, 117.74, 886.00, 0.00) DC  
 9TH HIGHEST VALUE IS 5.33530 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC  
 10TH HIGHEST VALUE IS 5.33000 AT ( 736150.00, 1995600.00, 126.50, 984.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

SC4 1ST HIGHEST VALUE IS 1.72942 AT ( 738200.00, 1993800.00, 126.31, 126.31, 0.00) DC  
 2ND HIGHEST VALUE IS 1.63091 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC  
 3RD HIGHEST VALUE IS 1.58111 AT ( 738200.00, 1993750.00, 118.71, 128.00, 0.00) DC  
 4TH HIGHEST VALUE IS 1.54080 AT ( 736100.00, 1995550.00, 125.33, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.50554 AT ( 736000.00, 1995800.00, 125.14, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.47855 AT ( 736050.00, 1995750.00, 126.73, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.46178 AT ( 738200.00, 1994100.00, 118.65, 125.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.45537 AT ( 738200.00, 1993900.00, 124.47, 124.47, 0.00) DC  
 9TH HIGHEST VALUE IS 1.45145 AT ( 738250.00, 1994100.00, 120.14, 128.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.44363 AT ( 736150.00, 1995500.00, 114.46, 984.00, 0.00) DC

SC5 1ST HIGHEST VALUE IS 179.88804 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 174.23649 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 168.30220 AT ( 735550.00, 1994850.00, 147.27, 886.00, 0.00) DC  
 4TH HIGHEST VALUE IS 167.11108 AT ( 736050.00, 1996050.00, 161.90, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 167.06178 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 164.55510 AT ( 736150.00, 1996050.00, 159.92, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 161.45099 AT ( 736050.00, 1995700.00, 139.73, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 160.60402 AT ( 735750.00, 1996350.00, 161.85, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 160.42049 AT ( 735950.00, 1996300.00, 161.40, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 160.18592 AT ( 735750.00, 1996400.00, 159.22, 991.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 383.34511 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 367.28594 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 361.40179 AT ( 735550.00, 1994850.00, 147.27, 886.00, 0.00) DC  
 4TH HIGHEST VALUE IS 353.12490 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 352.10297 AT ( 736050.00, 1996050.00, 161.90, 984.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS	351.95243 AT (	736050.00,	1995700.00,	139.73,	984.00,	0.00)	DC
7TH HIGHEST VALUE IS	351.80206 AT (	736150.00,	1996050.00,	159.92,	984.00,	0.00)	DC
8TH HIGHEST VALUE IS	347.25719 AT (	735750.00,	1996400.00,	159.22,	991.00,	0.00)	DC
9TH HIGHEST VALUE IS	346.43383 AT (	735950.00,	1996000.00,	150.69,	991.00,	0.00)	DC
10TH HIGHEST VALUE IS	346.13584 AT (	735750.00,	1996350.00,	161.85,	991.00,	0.00)	DC
PB1 1ST HIGHEST VALUE IS	0.10817 AT (	736150.00,	1995600.00,	126.50,	984.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.10709 AT (	736150.00,	1995650.00,	128.02,	984.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.10704 AT (	736100.00,	1995750.00,	121.81,	991.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.10171 AT (	736100.00,	1995700.00,	130.57,	984.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.10115 AT (	736250.00,	1995400.00,	106.67,	984.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.10110 AT (	736050.00,	1995850.00,	114.36,	991.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.10070 AT (	736050.00,	1995800.00,	122.21,	991.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.10045 AT (	736000.00,	1995950.00,	130.92,	991.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.09945 AT (	736150.00,	1995550.00,	117.79,	984.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.09907 AT (	738300.00,	1994000.00,	118.71,	128.00,	0.00)	DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS	563.32471 AT (	735900.00,	1996000.00,	159.01,	984.00,	0.00)	DC
2ND HIGHEST VALUE IS	541.86104 AT (	735900.00,	1995950.00,	151.81,	984.00,	0.00)	DC
3RD HIGHEST VALUE IS	518.34871 AT (	735850.00,	1996100.00,	163.05,	984.00,	0.00)	DC
4TH HIGHEST VALUE IS	502.77297 AT (	735750.00,	1996350.00,	161.85,	991.00,	0.00)	DC
5TH HIGHEST VALUE IS	501.62898 AT (	735950.00,	1996000.00,	150.69,	991.00,	0.00)	DC
6TH HIGHEST VALUE IS	488.47466 AT (	735700.00,	1996450.00,	163.21,	991.00,	0.00)	DC
7TH HIGHEST VALUE IS	481.68778 AT (	736100.00,	1996050.00,	160.95,	984.00,	0.00)	DC
8TH HIGHEST VALUE IS	480.20843 AT (	735750.00,	1996400.00,	159.22,	991.00,	0.00)	DC
9TH HIGHEST VALUE IS	478.84860 AT (	735900.00,	1995900.00,	145.41,	984.00,	0.00)	DC
10TH HIGHEST VALUE IS	475.02180 AT (	735650.00,	1996500.00,	148.69,	1004.00,	0.00)	DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

SC3	1ST HIGHEST VALUE IS	5.85118 AT (	736100.00,	1995550.00,	125.33,	984.00,	0.00) DC
	2ND HIGHEST VALUE IS	5.58521 AT (	736000.00,	1995800.00,	125.14,	991.00,	0.00) DC
	3RD HIGHEST VALUE IS	5.21028 AT (	736050.00,	1995600.00,	124.27,	984.00,	0.00) DC
	4TH HIGHEST VALUE IS	5.20155 AT (	736050.00,	1995750.00,	126.73,	991.00,	0.00) DC
	5TH HIGHEST VALUE IS	5.06523 AT (	736150.00,	1995550.00,	117.79,	984.00,	0.00) DC
	6TH HIGHEST VALUE IS	5.04514 AT (	736100.00,	1995500.00,	115.86,	984.00,	0.00) DC
	7TH HIGHEST VALUE IS	4.96985 AT (	736000.00,	1995850.00,	129.69,	991.00,	0.00) DC
	8TH HIGHEST VALUE IS	4.86281 AT (	736150.00,	1995500.00,	114.46,	984.00,	0.00) DC
	9TH HIGHEST VALUE IS	4.83944 AT (	738150.00,	1993900.00,	122.08,	128.00,	0.00) DC
	10TH HIGHEST VALUE IS	4.79298 AT (	736000.00,	1995750.00,	132.96,	984.00,	0.00) DC
SC4	1ST HIGHEST VALUE IS	1.52707 AT (	736100.00,	1995550.00,	125.33,	984.00,	0.00) DC
	2ND HIGHEST VALUE IS	1.49662 AT (	736000.00,	1995800.00,	125.14,	991.00,	0.00) DC
	3RD HIGHEST VALUE IS	1.41602 AT (	736050.00,	1995750.00,	126.73,	991.00,	0.00) DC
	4TH HIGHEST VALUE IS	1.36517 AT (	736150.00,	1995550.00,	117.79,	984.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.35541 AT (	736050.00,	1995600.00,	124.27,	984.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.35164 AT (	736000.00,	1995850.00,	129.69,	991.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.31241 AT (	736100.00,	1995500.00,	115.86,	984.00,	0.00) DC
	8TH HIGHEST VALUE IS	1.30608 AT (	736150.00,	1995500.00,	114.46,	984.00,	0.00) DC
	9TH HIGHEST VALUE IS	1.30044 AT (	736050.00,	1995800.00,	122.21,	991.00,	0.00) DC
	10TH HIGHEST VALUE IS	1.29639 AT (	736000.00,	1995900.00,	123.00,	991.00,	0.00) DC
SC5	1ST HIGHEST VALUE IS	179.76398 AT (	735900.00,	1996000.00,	159.01,	984.00,	0.00) DC
	2ND HIGHEST VALUE IS	173.54206 AT (	735900.00,	1995950.00,	151.81,	984.00,	0.00) DC
	3RD HIGHEST VALUE IS	165.91691 AT (	735850.00,	1996100.00,	163.05,	984.00,	0.00) DC
	4TH HIGHEST VALUE IS	157.19038 AT (	735750.00,	1996350.00,	161.85,	991.00,	0.00) DC
	5TH HIGHEST VALUE IS	155.90369 AT (	735950.00,	1996000.00,	150.69,	991.00,	0.00) DC
	6TH HIGHEST VALUE IS	153.60586 AT (	736100.00,	1996050.00,	160.95,	984.00,	0.00) DC
	7TH HIGHEST VALUE IS	153.31307 AT (	735900.00,	1995900.00,	145.41,	984.00,	0.00) DC
	8TH HIGHEST VALUE IS	152.78624 AT (	735700.00,	1996450.00,	163.21,	991.00,	0.00) DC
	9TH HIGHEST VALUE IS	150.21065 AT (	735650.00,	1996500.00,	148.69,	1004.00,	0.00) DC
	10TH HIGHEST VALUE IS	150.03019 AT (	735400.00,	1994900.00,	151.03,	886.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*

06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* \*\*\* 10:07:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

-----  
 SC6 1ST HIGHEST VALUE IS 381.10769 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 365.81787 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 350.70258 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 343.83501 AT ( 735750.00, 1996350.00, 161.85, 991.00, 0.00) DC  
 5TH HIGHEST VALUE IS 343.14677 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 332.82882 AT ( 735700.00, 1996450.00, 163.21, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 328.62012 AT ( 735750.00, 1996400.00, 159.22, 991.00, 0.00) DC  
 8TH HIGHEST VALUE IS 326.47254 AT ( 736100.00, 1996050.00, 160.95, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 322.29557 AT ( 735900.00, 1995900.00, 145.41, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 321.27488 AT ( 735400.00, 1994900.00, 151.03, 886.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.10705 AT ( 736150.00, 1995600.00, 126.50, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.10658 AT ( 736150.00, 1995650.00, 128.02, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.10128 AT ( 736100.00, 1995750.00, 121.81, 991.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.10081 AT ( 736100.00, 1995700.00, 130.57, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.09957 AT ( 736000.00, 1995950.00, 130.92, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.09952 AT ( 736050.00, 1995800.00, 122.21, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.09816 AT ( 736150.00, 1995550.00, 117.79, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.09637 AT ( 736150.00, 1995700.00, 119.16, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.09589 AT ( 736000.00, 1995900.00, 123.00, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.09523 AT ( 736050.00, 1995900.00, 120.95, 991.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
 06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

## Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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ALL	1ST HIGHEST VALUE IS	441.49169 AT ( 736000.00, 1996050.00, 154.86, 991.00, 0.00) DC
	2ND HIGHEST VALUE IS	415.31648 AT ( 735900.00, 1996300.00, 158.89, 991.00, 0.00) DC
	3RD HIGHEST VALUE IS	400.04038 AT ( 735800.00, 1996400.00, 156.95, 1004.00, 0.00) DC
	4TH HIGHEST VALUE IS	398.03761 AT ( 735850.00, 1996300.00, 160.80, 991.00, 0.00) DC
	5TH HIGHEST VALUE IS	390.38224 AT ( 735850.00, 1996400.00, 150.83, 1004.00, 0.00) DC
	6TH HIGHEST VALUE IS	386.13352 AT ( 735950.00, 1996050.00, 168.31, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	382.60190 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC
	8TH HIGHEST VALUE IS	378.91622 AT ( 735850.00, 1996350.00, 150.95, 1004.00, 0.00) DC
	9TH HIGHEST VALUE IS	377.39317 AT ( 735800.00, 1996350.00, 156.70, 991.00, 0.00) DC
	10TH HIGHEST VALUE IS	375.43841 AT ( 736050.00, 1996050.00, 161.90, 984.00, 0.00) DC
SC3	1ST HIGHEST VALUE IS	4.43627 AT ( 736150.00, 1995600.00, 126.50, 984.00, 0.00) DC
	2ND HIGHEST VALUE IS	4.23629 AT ( 736100.00, 1995750.00, 121.81, 991.00, 0.00) DC
	3RD HIGHEST VALUE IS	4.17413 AT ( 736100.00, 1995700.00, 130.57, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	4.17378 AT ( 736150.00, 1995700.00, 119.16, 991.00, 0.00) DC
	5TH HIGHEST VALUE IS	4.10766 AT ( 736150.00, 1995650.00, 128.02, 984.00, 0.00) DC
	6TH HIGHEST VALUE IS	4.08219 AT ( 736000.00, 1995600.00, 122.96, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	3.96001 AT ( 736000.00, 1995950.00, 130.92, 991.00, 0.00) DC
	8TH HIGHEST VALUE IS	3.95938 AT ( 736050.00, 1995900.00, 120.95, 991.00, 0.00) DC
	9TH HIGHEST VALUE IS	3.92970 AT ( 736050.00, 1995950.00, 131.96, 991.00, 0.00) DC
	10TH HIGHEST VALUE IS	3.92575 AT ( 738200.00, 1993950.00, 126.40, 128.00, 0.00) DC
SC4	1ST HIGHEST VALUE IS	1.18459 AT ( 738200.00, 1993950.00, 126.40, 128.00, 0.00) DC
	2ND HIGHEST VALUE IS	1.15592 AT ( 736150.00, 1995600.00, 126.50, 984.00, 0.00) DC
	3RD HIGHEST VALUE IS	1.15049 AT ( 738200.00, 1993900.00, 124.47, 124.47, 0.00) DC
	4TH HIGHEST VALUE IS	1.13613 AT ( 736100.00, 1995750.00, 121.81, 991.00, 0.00) DC
	5TH HIGHEST VALUE IS	1.13505 AT ( 736150.00, 1995700.00, 119.16, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	1.12908 AT ( 736150.00, 1995650.00, 128.02, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	1.11423 AT ( 738200.00, 1994000.00, 120.66, 128.00, 0.00) DC
	8TH HIGHEST VALUE IS	1.10931 AT ( 738200.00, 1993850.00, 125.63, 128.00, 0.00) DC
	9TH HIGHEST VALUE IS	1.08737 AT ( 736100.00, 1995700.00, 130.57, 984.00, 0.00) DC
	10TH HIGHEST VALUE IS	1.05563 AT ( 736000.00, 1995600.00, 122.96, 984.00, 0.00) DC
SC5	1ST HIGHEST VALUE IS	137.28418 AT ( 736000.00, 1996050.00, 154.86, 991.00, 0.00) DC
	2ND HIGHEST VALUE IS	129.26542 AT ( 735900.00, 1996300.00, 158.89, 991.00, 0.00) DC
	3RD HIGHEST VALUE IS	127.75407 AT ( 735800.00, 1996400.00, 156.95, 1004.00, 0.00) DC
	4TH HIGHEST VALUE IS	123.62591 AT ( 735850.00, 1996300.00, 160.80, 991.00, 0.00) DC
	5TH HIGHEST VALUE IS	122.43912 AT ( 735950.00, 1996000.00, 150.69, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	121.88327 AT ( 735850.00, 1996350.00, 150.95, 1004.00, 0.00) DC
	7TH HIGHEST VALUE IS	121.26464 AT ( 735850.00, 1996400.00, 150.83, 1004.00, 0.00) DC
	8TH HIGHEST VALUE IS	120.83730 AT ( 735800.00, 1996350.00, 156.70, 991.00, 0.00) DC
	9TH HIGHEST VALUE IS	120.21400 AT ( 735950.00, 1996050.00, 168.31, 984.00, 0.00) DC
	10TH HIGHEST VALUE IS	119.31554 AT ( 736050.00, 1996000.00, 145.50, 991.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*

06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6	1ST HIGHEST VALUE IS	301.61427 AT (	736000.00,	1996050.00,	154.86,	991.00,	0.00)	DC
	2ND HIGHEST VALUE IS	284.06849 AT (	735900.00,	1996300.00,	158.89,	991.00,	0.00)	DC
	3RD HIGHEST VALUE IS	273.03950 AT (	735850.00,	1996300.00,	160.80,	991.00,	0.00)	DC
	4TH HIGHEST VALUE IS	270.13338 AT (	735800.00,	1996400.00,	156.95,	1004.00,	0.00)	DC
	5TH HIGHEST VALUE IS	266.19781 AT (	735850.00,	1996400.00,	150.83,	1004.00,	0.00)	DC
	6TH HIGHEST VALUE IS	265.42173 AT (	735950.00,	1996050.00,	168.31,	984.00,	0.00)	DC
	7TH HIGHEST VALUE IS	257.55435 AT (	736050.00,	1996050.00,	161.90,	984.00,	0.00)	DC
	8TH HIGHEST VALUE IS	257.49930 AT (	735950.00,	1996000.00,	150.69,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	255.02600 AT (	735850.00,	1996350.00,	150.95,	1004.00,	0.00)	DC
	10TH HIGHEST VALUE IS	254.64332 AT (	735800.00,	1996350.00,	156.70,	991.00,	0.00)	DC
PB1	1ST HIGHEST VALUE IS	0.07996 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.07832 AT (	736100.00,	1995550.00,	125.33,	984.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.07829 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.07814 AT (	736200.00,	1995700.00,	117.81,	991.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.07716 AT (	736200.00,	1995750.00,	116.71,	991.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.07613 AT (	738150.00,	1993900.00,	122.08,	128.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.07377 AT (	736100.00,	1995950.00,	123.28,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.07310 AT (	738150.00,	1993800.00,	110.87,	128.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.07222 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.07222 AT (	738250.00,	1993750.00,	112.33,	128.00,	0.00)	DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2013 SO2 Actual Emissions \*\*\*  
06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 10:07:18

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 220 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 164 Calm Hours Identified

A Total of 56 Missing Hours Identified ( 0.64 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

OU W273 12260 OUMAXD\_CONT: Range of ranks for MAXDCONT THRESH Opt is limited: Max Rank = 9  
CN W415 8761 MAXDCONT\_LOO: MAXDCONT THRESH not reached within range of ranks GRP ALL



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Costa Sur 2014**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 08:39:49

PAGE 1

\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO2

\*\*Note that special processing requirements apply for the 1-hour SO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

\*\*This Run Includes: 3 Source(s); 4 Source Group(s); and 12151 Receptor(s)

with: 3 POINT(s), including

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 226.0 MB of RAM.

\*\*Input Runstream File: Guayanilla2014SO2Emissions\_2014\_SO2.DTA

\*\*Output Print File: Guayanilla2014SO2Emissions\_2014\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
DocumentsINFORMES\SO2Designation2016withactualemi2013to2015\Guayanill

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* \*\* 08:39:49

PAGE 2

\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 08:39:49

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Surface file: TALL14.sfc Met Version: 15181  
Profile file: TALL14.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2014 Year: 2014

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

-----  
14 01 01 1 01 -36.0 0.443 -9.000 -9.000 -999. 706. 218.2 1.20 0.28 1.00 2.60 43. 10.0 296.9 10.0  
14 01 01 1 02 -19.2 0.357 -9.000 -9.000 -999. 517. 214.2 1.20 0.28 1.00 2.10 45. 10.0 296.9 10.0  
14 01 01 1 03 -22.5 0.419 -9.000 -9.000 -999. 651. 295.7 1.20 0.28 1.00 2.40 38. 10.0 296.9 10.0  
14 01 01 1 04 -37.7 0.464 -9.000 -9.000 -999. 757. 239.1 1.20 0.28 1.00 2.70 36. 10.0 296.4 10.0  
14 01 01 1 05 -43.9 0.428 -9.000 -9.000 -999. 673. 161.0 1.20 0.28 1.00 2.60 35. 10.0 296.5 10.0  
14 01 01 1 06 -39.3 0.383 -9.000 -9.000 -999. 570. 128.8 1.20 0.28 1.00 2.40 40. 10.0 296.5 10.0

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

14	01	01	1	07	-29.1	0.540	-9.000	-9.000	-999.	952.	489.5	1.20	0.28	1.00	3.00	48.	10.0	296.4	10.0
14	01	01	1	08	-27.2	0.663	-9.000	-9.000	-999.	1293.	967.7	1.20	0.28	0.46	3.60	69.	10.0	296.5	10.0
14	01	01	1	09	27.4	0.653	0.467	0.005	134.	1266.	-917.8	1.20	0.28	0.23	3.40	72.	10.0	297.4	10.0
14	01	01	1	10	56.8	0.671	0.956	0.005	557.	1317.	-480.8	0.86	0.28	0.16	4.00	107.	10.0	298.4	10.0
14	01	01	1	11	78.9	0.959	1.208	0.006	811.	2249.	-1012.5	0.86	0.28	0.14	5.80	112.	10.0	299.1	10.0
14	01	01	1	12	92.3	0.977	1.324	0.005	911.	2315.	-914.1	0.86	0.28	0.14	5.90	119.	10.0	299.4	10.0
14	01	01	1	13	96.8	0.978	1.390	0.005	1005.	2320.	-872.5	0.86	0.28	0.13	5.90	129.	10.0	299.5	10.0
14	01	01	1	14	92.5	0.851	1.407	0.009	1089.	1915.	-601.4	0.86	0.28	0.14	5.10	126.	10.0	299.9	10.0
14	01	01	1	15	79.2	0.880	1.363	0.009	1155.	1978.	-776.2	0.86	0.28	0.14	5.30	134.	10.0	299.6	10.0
14	01	01	1	16	47.3	0.906	1.161	0.009	1193.	2066.	-1417.3	0.86	0.28	0.16	5.50	135.	10.0	299.4	10.0
14	01	01	1	17	24.3	0.805	0.935	0.006	1212.	1753.	-1933.8	0.86	0.28	0.22	4.90	129.	10.0	299.1	10.0
14	01	01	1	18	-1.7	0.684	-9.000	-9.000	-999.	1381.	8888.0	0.86	0.28	0.46	4.20	117.	10.0	298.6	10.0
14	01	01	1	19	-28.7	0.356	-9.000	-9.000	-999.	646.	141.5	1.20	0.28	1.00	2.20	85.	10.0	297.9	10.0
14	01	01	1	20	-27.0	0.333	-9.000	-9.000	-999.	465.	123.3	1.20	0.28	1.00	2.10	53.	10.0	297.1	10.0
14	01	01	1	21	-28.9	0.355	-9.000	-9.000	-999.	508.	140.6	1.20	0.28	1.00	2.20	39.	10.0	296.6	10.0
14	01	01	1	22	-36.9	0.359	-9.000	-9.000	-999.	517.	113.7	1.20	0.28	1.00	2.30	38.	10.0	296.9	10.0
14	01	01	1	23	-39.3	0.383	-9.000	-9.000	-999.	568.	129.0	1.20	0.28	1.00	2.40	39.	10.0	296.9	10.0
14	01	01	1	24	-43.2	0.402	-9.000	-9.000	-999.	611.	135.8	1.20	0.28	1.00	2.50	38.	10.0	296.9	10.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
14	01	01	01	10.0	1	43.	2.60	296.9	99.0	-99.00	-99.00

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 08:39:49

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
ALL 1ST HIGHEST VALUE IS 1155.24986 AT ( 738250.00, 1994950.00, 153.83, 974.00, 0.00) DC  
2ND HIGHEST VALUE IS 1149.82346 AT ( 738250.00, 1994900.00, 150.70, 974.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	3RD HIGHEST VALUE IS	1142.03254 AT (	739550.00,	1993900.00,	152.96,	152.96,	0.00)	DC
	4TH HIGHEST VALUE IS	1135.30839 AT (	739150.00,	1994600.00,	150.24,	180.00,	0.00)	DC
	5TH HIGHEST VALUE IS	1131.48096 AT (	739550.00,	1993950.00,	152.96,	152.96,	0.00)	DC
	6TH HIGHEST VALUE IS	1130.21672 AT (	739500.00,	1993850.00,	145.77,	154.00,	0.00)	DC
	7TH HIGHEST VALUE IS	1104.49190 AT (	739150.00,	1994650.00,	159.30,	180.00,	0.00)	DC
	8TH HIGHEST VALUE IS	1104.46540 AT (	739050.00,	1994400.00,	143.05,	143.05,	0.00)	DC
	9TH HIGHEST VALUE IS	1101.53749 AT (	739500.00,	1993900.00,	145.96,	161.00,	0.00)	DC
	10TH HIGHEST VALUE IS	1097.15626 AT (	739200.00,	1994750.00,	153.98,	180.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	598.98817 AT (	739550.00,	1993950.00,	152.96,	152.96,	0.00)	DC
	2ND HIGHEST VALUE IS	596.84840 AT (	738250.00,	1994950.00,	153.83,	974.00,	0.00)	DC
	3RD HIGHEST VALUE IS	596.28445 AT (	739150.00,	1994600.00,	150.24,	180.00,	0.00)	DC
	4TH HIGHEST VALUE IS	595.48873 AT (	739550.00,	1993900.00,	152.96,	152.96,	0.00)	DC
	5TH HIGHEST VALUE IS	592.97473 AT (	738250.00,	1994900.00,	150.70,	974.00,	0.00)	DC
	6TH HIGHEST VALUE IS	592.67106 AT (	739500.00,	1993850.00,	145.77,	154.00,	0.00)	DC
	7TH HIGHEST VALUE IS	586.69336 AT (	739500.00,	1993900.00,	145.96,	161.00,	0.00)	DC
	8TH HIGHEST VALUE IS	584.61209 AT (	739150.00,	1994650.00,	159.30,	180.00,	0.00)	DC
	9TH HIGHEST VALUE IS	583.65879 AT (	739050.00,	1994400.00,	143.05,	143.05,	0.00)	DC
	10TH HIGHEST VALUE IS	579.03349 AT (	739200.00,	1994750.00,	153.98,	180.00,	0.00)	DC
SC6	1ST HIGHEST VALUE IS	558.39305 AT (	738250.00,	1994950.00,	153.83,	974.00,	0.00)	DC
	2ND HIGHEST VALUE IS	556.83946 AT (	738250.00,	1994900.00,	150.70,	974.00,	0.00)	DC
	3RD HIGHEST VALUE IS	546.53647 AT (	739550.00,	1993900.00,	152.96,	152.96,	0.00)	DC
	4TH HIGHEST VALUE IS	539.01544 AT (	739150.00,	1994600.00,	150.24,	180.00,	0.00)	DC
	5TH HIGHEST VALUE IS	537.53647 AT (	739500.00,	1993850.00,	145.77,	154.00,	0.00)	DC
	6TH HIGHEST VALUE IS	533.93781 AT (	739550.00,	1993850.00,	152.81,	154.00,	0.00)	DC
	7TH HIGHEST VALUE IS	532.48553 AT (	739550.00,	1993950.00,	152.96,	152.96,	0.00)	DC
	8TH HIGHEST VALUE IS	520.79643 AT (	739050.00,	1994400.00,	143.05,	143.05,	0.00)	DC
	9TH HIGHEST VALUE IS	519.87361 AT (	739150.00,	1994650.00,	159.30,	180.00,	0.00)	DC
	10TH HIGHEST VALUE IS	518.11552 AT (	739200.00,	1994750.00,	153.98,	180.00,	0.00)	DC
PB1	1ST HIGHEST VALUE IS	0.01636 AT (	738800.00,	1993750.00,	120.72,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.01634 AT (	738900.00,	1993050.00,	106.36,	112.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.01558 AT (	738950.00,	1993100.00,	105.22,	112.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.01547 AT (	738850.00,	1993800.00,	126.05,	131.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.01535 AT (	738000.00,	1993000.00,	91.69,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.01535 AT (	738000.00,	1993000.00,	91.69,	95.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.01535 AT (	738000.00,	1993000.00,	91.69,	95.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.01531 AT (	738800.00,	1993800.00,	114.03,	138.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.01514 AT (	738850.00,	1993850.00,	112.63,	144.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.01513 AT (	738950.00,	1993050.00,	106.30,	112.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions

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06/03/16

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*

\*\*\* 08:39:49

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

ALL	1ST HIGHEST VALUE IS	893.17917 AT (	735350.00,	1994750.00,	150.50,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	891.00715 AT (	735150.00,	1994900.00,	162.95,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	886.06592 AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	884.82474 AT (	735200.00,	1994900.00,	162.74,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	873.75179 AT (	735100.00,	1994850.00,	151.08,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	870.47693 AT (	735300.00,	1994850.00,	149.81,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	868.87101 AT (	735300.00,	1994800.00,	154.95,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	857.93811 AT (	739300.00,	1994800.00,	157.04,	180.00,	0.00)	DC
	9TH HIGHEST VALUE IS	855.62417 AT (	735250.00,	1994850.00,	151.86,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	847.57297 AT (	739150.00,	1994650.00,	159.30,	180.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	470.77649 AT (	735350.00,	1994750.00,	150.50,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	469.46185 AT (	735150.00,	1994900.00,	162.95,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	466.92278 AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	466.10123 AT (	735200.00,	1994900.00,	162.74,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	460.41255 AT (	735100.00,	1994850.00,	151.08,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	458.68671 AT (	735300.00,	1994850.00,	149.81,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	457.96554 AT (	735300.00,	1994800.00,	154.95,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	457.95168 AT (	739150.00,	1994650.00,	159.30,	180.00,	0.00)	DC
	9TH HIGHEST VALUE IS	450.98462 AT (	735250.00,	1994850.00,	151.86,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	450.75226 AT (	739300.00,	1994800.00,	157.04,	180.00,	0.00)	DC
SC6	1ST HIGHEST VALUE IS	422.39634 AT (	735350.00,	1994750.00,	150.50,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	421.54034 AT (	735150.00,	1994900.00,	162.95,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	419.13476 AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	418.71807 AT (	735200.00,	1994900.00,	162.74,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	413.33123 AT (	735100.00,	1994850.00,	151.08,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	411.78348 AT (	735300.00,	1994850.00,	149.81,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	410.90006 AT (	735300.00,	1994800.00,	154.95,	886.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

8TH HIGHEST VALUE IS 407.17547 AT ( 739300.00, 1994800.00, 157.04, 180.00, 0.00) DC  
 9TH HIGHEST VALUE IS 404.63384 AT ( 735250.00, 1994850.00, 151.86, 886.00, 0.00) DC  
 10TH HIGHEST VALUE IS 399.59455 AT ( 735200.00, 1994950.00, 151.97, 886.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.01351 AT ( 738900.00, 1993850.00, 129.18, 135.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.01321 AT ( 738850.00, 1993800.00, 126.05, 131.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.01320 AT ( 738100.00, 1993900.00, 109.46, 128.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.01313 AT ( 738150.00, 1994800.00, 126.41, 974.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.01300 AT ( 738100.00, 1993950.00, 110.94, 128.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.01298 AT ( 738150.00, 1994750.00, 115.54, 974.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.01255 AT ( 738900.00, 1993800.00, 128.86, 128.86, 0.00) DC  
 8TH HIGHEST VALUE IS 0.01253 AT ( 738150.00, 1994900.00, 124.08, 974.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.01235 AT ( 738150.00, 1994850.00, 132.95, 974.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.01223 AT ( 738050.00, 1993600.00, 103.14, 103.14, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
 06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* 08:39:49

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 806.62509 AT ( 735250.00, 1994900.00, 160.60, 886.00, 0.00) DC  
 2ND HIGHEST VALUE IS 785.76326 AT ( 735150.00, 1994950.00, 158.53, 886.00, 0.00) DC  
 3RD HIGHEST VALUE IS 766.65624 AT ( 735250.00, 1994750.00, 148.35, 886.00, 0.00) DC  
 4TH HIGHEST VALUE IS 766.65624 AT ( 735250.00, 1994750.00, 148.35, 886.00, 0.00) DC  
 5TH HIGHEST VALUE IS 762.70596 AT ( 735150.00, 1994850.00, 156.00, 886.00, 0.00) DC  
 6TH HIGHEST VALUE IS 756.56552 AT ( 735200.00, 1994900.00, 162.74, 886.00, 0.00) DC  
 7TH HIGHEST VALUE IS 756.35301 AT ( 735300.00, 1994800.00, 154.95, 886.00, 0.00) DC  
 8TH HIGHEST VALUE IS 744.95899 AT ( 735150.00, 1995000.00, 156.78, 886.00, 0.00) DC  
 9TH HIGHEST VALUE IS 739.13219 AT ( 735300.00, 1994700.00, 153.85, 164.00, 0.00) DC  
 10TH HIGHEST VALUE IS 731.69302 AT ( 735200.00, 1994850.00, 153.80, 886.00, 0.00) DC

SC5 1ST HIGHEST VALUE IS 425.03971 AT ( 735250.00, 1994900.00, 160.60, 886.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	2ND HIGHEST VALUE IS	414.14493 AT (	735150.00,	1994950.00,	158.53,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	404.14563 AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	404.14563 AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	401.80519 AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	398.74609 AT (	735200.00,	1994900.00,	162.74,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	398.37379 AT (	735300.00,	1994800.00,	154.95,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	392.30949 AT (	735150.00,	1995000.00,	156.78,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	389.40614 AT (	735300.00,	1994700.00,	153.85,	164.00,	0.00)	DC
	10TH HIGHEST VALUE IS	385.44255 AT (	735200.00,	1994850.00,	153.80,	886.00,	0.00)	DC
SC6	1ST HIGHEST VALUE IS	381.58063 AT (	735250.00,	1994900.00,	160.60,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	371.61395 AT (	735150.00,	1994950.00,	158.53,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	362.50580 AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	362.50580 AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	360.88975 AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	357.96644 AT (	735300.00,	1994800.00,	154.95,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	357.81549 AT (	735200.00,	1994900.00,	162.74,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	352.63734 AT (	735150.00,	1995000.00,	156.78,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	349.72025 AT (	735300.00,	1994700.00,	153.85,	164.00,	0.00)	DC
	10TH HIGHEST VALUE IS	346.23851 AT (	735200.00,	1994850.00,	153.80,	886.00,	0.00)	DC
PB1	1ST HIGHEST VALUE IS	0.01093 AT (	735450.00,	1994600.00,	126.81,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.01083 AT (	735400.00,	1994650.00,	130.92,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.01069 AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.01069 AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.01043 AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.01043 AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.01042 AT (	735350.00,	1994650.00,	131.59,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.01040 AT (	735400.00,	1994600.00,	127.57,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.01017 AT (	735450.00,	1994800.00,	132.33,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.01011 AT (	735500.00,	1994750.00,	126.71,	886.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* 08:39:49

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	
		GRID-ID						
ALL	1ST HIGHEST VALUE IS	714.64191	AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00) DC
	2ND HIGHEST VALUE IS	697.83157	AT (	735100.00,	1994900.00,	153.97,	886.00,	0.00) DC
	3RD HIGHEST VALUE IS	694.23001	AT (	735200.00,	1994850.00,	153.80,	886.00,	0.00) DC
	4TH HIGHEST VALUE IS	682.06225	AT (	735250.00,	1994800.00,	151.12,	886.00,	0.00) DC
	5TH HIGHEST VALUE IS	674.08602	AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00) DC
	6TH HIGHEST VALUE IS	667.94179	AT (	735300.00,	1994700.00,	153.85,	164.00,	0.00) DC
	7TH HIGHEST VALUE IS	655.60602	AT (	735150.00,	1994900.00,	162.95,	886.00,	0.00) DC
	8TH HIGHEST VALUE IS	628.58128	AT (	735100.00,	1994850.00,	151.08,	886.00,	0.00) DC
	9TH HIGHEST VALUE IS	626.46252	AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00) DC
	10TH HIGHEST VALUE IS	626.46252	AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00) DC
SC5	1ST HIGHEST VALUE IS	376.68258	AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00) DC
	2ND HIGHEST VALUE IS	367.80250	AT (	735100.00,	1994900.00,	153.97,	886.00,	0.00) DC
	3RD HIGHEST VALUE IS	365.61663	AT (	735200.00,	1994850.00,	153.80,	886.00,	0.00) DC
	4TH HIGHEST VALUE IS	359.18790	AT (	735250.00,	1994800.00,	151.12,	886.00,	0.00) DC
	5TH HIGHEST VALUE IS	355.13110	AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00) DC
	6TH HIGHEST VALUE IS	351.91948	AT (	735300.00,	1994700.00,	153.85,	164.00,	0.00) DC
	7TH HIGHEST VALUE IS	345.27885	AT (	735150.00,	1994900.00,	162.95,	886.00,	0.00) DC
	8TH HIGHEST VALUE IS	331.24863	AT (	735100.00,	1994850.00,	151.08,	886.00,	0.00) DC
	9TH HIGHEST VALUE IS	330.02717	AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00) DC
	10TH HIGHEST VALUE IS	330.02717	AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00) DC
SC6	1ST HIGHEST VALUE IS	337.95573	AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00) DC
	2ND HIGHEST VALUE IS	330.02539	AT (	735100.00,	1994900.00,	153.97,	886.00,	0.00) DC
	3RD HIGHEST VALUE IS	328.60638	AT (	735200.00,	1994850.00,	153.80,	886.00,	0.00) DC
	4TH HIGHEST VALUE IS	322.86677	AT (	735250.00,	1994800.00,	151.12,	886.00,	0.00) DC
	5TH HIGHEST VALUE IS	318.94406	AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00) DC
	6TH HIGHEST VALUE IS	316.01328	AT (	735300.00,	1994700.00,	153.85,	164.00,	0.00) DC
	7TH HIGHEST VALUE IS	310.32197	AT (	735150.00,	1994900.00,	162.95,	886.00,	0.00) DC
	8TH HIGHEST VALUE IS	297.32936	AT (	735100.00,	1994850.00,	151.08,	886.00,	0.00) DC
	9TH HIGHEST VALUE IS	296.42371	AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00) DC
	10TH HIGHEST VALUE IS	296.42371	AT (	735250.00,	1994750.00,	148.35,	886.00,	0.00) DC
PB1	1ST HIGHEST VALUE IS	0.01019	AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.01019	AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00979	AT (	735450.00,	1994650.00,	121.36,	886.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00957	AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00957	AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.00901 AT ( 735500.00, 1994550.00, 116.25, 886.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00883 AT ( 735450.00, 1994600.00, 126.81, 886.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00882 AT ( 735400.00, 1994700.00, 134.84, 886.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00871 AT ( 735500.00, 1994600.00, 114.50, 886.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00829 AT ( 735400.00, 1994650.00, 130.92, 886.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
 06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* 08:39:49

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 571.00569 AT ( 735750.00, 1996050.00, 166.31, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 564.59929 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 564.59929 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 555.81705 AT ( 735750.00, 1996100.00, 164.91, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 548.41243 AT ( 735800.00, 1996100.00, 157.83, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 538.14468 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 525.46246 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 518.82431 AT ( 735550.00, 1996450.00, 168.96, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 515.52023 AT ( 735900.00, 1995900.00, 145.41, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 512.56934 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC

SC5 1ST HIGHEST VALUE IS 300.62574 AT ( 735750.00, 1996050.00, 166.31, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 297.58910 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 297.58910 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 292.29336 AT ( 735750.00, 1996100.00, 164.91, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 291.95906 AT ( 735800.00, 1996100.00, 157.83, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 281.84765 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 274.86702 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 273.18200 AT ( 735550.00, 1996450.00, 168.96, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 270.32483 AT ( 735900.00, 1995900.00, 145.41, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 268.20786 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

SC6 1ST HIGHEST VALUE IS 270.37442 AT ( 735750.00, 1996050.00, 166.31, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 267.00460 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 267.00460 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 263.51796 AT ( 735750.00, 1996100.00, 164.91, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 256.45063 AT ( 735800.00, 1996100.00, 157.83, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 256.29084 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 250.59016 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 245.63858 AT ( 735550.00, 1996450.00, 168.96, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 245.18856 AT ( 735900.00, 1995900.00, 145.41, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 244.35674 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.00907 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00907 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00834 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00834 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00727 AT ( 736000.00, 1995700.00, 139.88, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00711 AT ( 736050.00, 1995650.00, 134.66, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00711 AT ( 736100.00, 1995600.00, 136.91, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00704 AT ( 736050.00, 1995700.00, 139.73, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00701 AT ( 736050.00, 1995750.00, 126.73, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00699 AT ( 735900.00, 1995850.00, 143.91, 984.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
 06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 08:39:49

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 253.54319 AT ( 735600.00, 1995900.00, 154.93, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 248.26734 AT ( 735250.00, 1994700.00, 151.05, 886.00, 0.00) DC  
 3RD HIGHEST VALUE IS 246.57156 AT ( 736050.00, 1996050.00, 161.90, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 240.88794 AT ( 735550.00, 1995950.00, 156.72, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 235.17119 AT ( 735650.00, 1995850.00, 146.54, 984.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	6TH HIGHEST VALUE IS	232.60581 AT (	736000.00,	1996050.00,	154.86,	991.00,	0.00)	DC
	7TH HIGHEST VALUE IS	231.80517 AT (	735950.00,	1996300.00,	161.40,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	229.34229 AT (	735950.00,	1996250.00,	167.57,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	222.45914 AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	220.94541 AT (	735100.00,	1994900.00,	153.97,	886.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	134.15688 AT (	735600.00,	1995900.00,	154.93,	984.00,	0.00)	DC
	2ND HIGHEST VALUE IS	130.86895 AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	130.80811 AT (	736050.00,	1996050.00,	161.90,	984.00,	0.00)	DC
	4TH HIGHEST VALUE IS	127.54144 AT (	735550.00,	1995950.00,	156.72,	984.00,	0.00)	DC
	5TH HIGHEST VALUE IS	123.85939 AT (	736000.00,	1996050.00,	154.86,	991.00,	0.00)	DC
	6TH HIGHEST VALUE IS	123.05429 AT (	735650.00,	1995850.00,	146.54,	984.00,	0.00)	DC
	7TH HIGHEST VALUE IS	122.45645 AT (	735950.00,	1996250.00,	167.57,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	121.91000 AT (	735950.00,	1996300.00,	161.40,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	117.26826 AT (	735900.00,	1996300.00,	158.89,	991.00,	0.00)	DC
	10TH HIGHEST VALUE IS	117.23322 AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00)	DC
SC6	1ST HIGHEST VALUE IS	119.38421 AT (	735600.00,	1995900.00,	154.93,	984.00,	0.00)	DC
	2ND HIGHEST VALUE IS	117.39502 AT (	735250.00,	1994700.00,	151.05,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	115.32809 AT (	736050.00,	1996050.00,	161.90,	984.00,	0.00)	DC
	4TH HIGHEST VALUE IS	113.34462 AT (	735550.00,	1995950.00,	156.72,	984.00,	0.00)	DC
	5TH HIGHEST VALUE IS	112.11390 AT (	735650.00,	1995850.00,	146.54,	984.00,	0.00)	DC
	6TH HIGHEST VALUE IS	109.33730 AT (	735950.00,	1996300.00,	161.40,	991.00,	0.00)	DC
	7TH HIGHEST VALUE IS	108.74502 AT (	736000.00,	1996050.00,	154.86,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	106.88423 AT (	735950.00,	1996250.00,	167.57,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	105.22311 AT (	735150.00,	1994850.00,	156.00,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	104.50609 AT (	735100.00,	1994900.00,	153.97,	886.00,	0.00)	DC
PB1	1ST HIGHEST VALUE IS	0.00519 AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00519 AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00393 AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00393 AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00362 AT (	737250.00,	1992250.00,	77.29,	89.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00362 AT (	737250.00,	1992250.00,	77.29,	89.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00315 AT (	735400.00,	1994650.00,	130.92,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00313 AT (	735450.00,	1994600.00,	126.81,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00309 AT (	735950.00,	1995650.00,	130.86,	984.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00302 AT (	735700.00,	1995850.00,	138.61,	984.00,	0.00)	DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2014 SO2 Actual Emissions \*\*\*  
06/03/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 08:39:49

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)

A Total of 2 Warning Message(s)

A Total of 123 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 71 Calm Hours Identified

A Total of 52 Missing Hours Identified ( 0.59 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

OU W273 12222 OUMAXD\_CONT: Range of ranks for MAXDCONT THRESH Opt is limited: Max Rank = 9

CN W415 8761 MAXDCONT\_LOO: MAXDCONT THRESH not reached within range of ranks GRP ALL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Costa Sur 2015**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*  
06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 13:44:09

PAGE 1

\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO2

\*\*Note that special processing requirements apply for the 1-hour SO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 12151 Receptor(s)

with: 5 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

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and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 229.9 MB of RAM.

\*\*Input Runstream File: GuayanillaSO2actual2015\_2015\_SO2.DTA  
\*\*Output Print File: GuayanillaSO2actual2015\_2015\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
Documents\INFORMES\SO2Designation2016withactualemi2013to2015\Guayanill

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*  
06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 13:44:09

PAGE 2

\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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1111111111 111111

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*  
06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Surface file: TALL15.sfc Met Version: 15181  
Profile file: TALL15.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2015 Year: 2015

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

-----  
15 01 01 1 01 -64.0 0.764 -9.000 -9.000 -999. 1602. 629.5 1.20 0.28 1.00 4.20 82. 10.0 298.9 10.0  
15 01 01 1 02 -64.0 0.804 -9.000 -9.000 -999. 1728. 734.6 1.20 0.28 1.00 4.40 80. 10.0 298.9 10.0  
15 01 01 1 03 -64.0 0.681 -9.000 -9.000 -999. 1370. 445.4 1.20 0.28 1.00 3.80 77. 10.0 298.6 10.0  
15 01 01 1 04 -64.0 0.764 -9.000 -9.000 -999. 1598. 628.6 1.20 0.28 1.00 4.20 80. 10.0 298.4 10.0  
15 01 01 1 05 -64.0 0.660 -9.000 -9.000 -999. 1302. 405.2 1.20 0.28 1.00 3.70 73. 10.0 298.0 10.0  
15 01 01 1 06 -52.5 0.490 -9.000 -9.000 -999. 855. 202.8 1.20 0.28 1.00 2.90 75. 10.0 298.0 10.0



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

15	01	01	1	07	-56.9	0.556	-9.000	-9.000	-999.	993.	272.9	1.20	0.28	1.00	3.20	71.	10.0	297.9	10.0
15	01	01	1	08	-22.6	0.607	-9.000	-9.000	-999.	1132.	894.4	1.20	0.28	0.46	3.30	68.	10.0	298.4	10.0
15	01	01	1	09	27.9	0.726	0.448	0.005	116.	1482.	-1241.7	1.20	0.28	0.23	3.80	80.	10.0	299.4	10.0
15	01	01	1	10	57.3	1.047	0.861	0.005	404.	2564.	-1813.4	1.20	0.28	0.16	5.50	84.	10.0	300.1	10.0
15	01	01	1	11	79.4	1.124	1.107	0.005	619.	2848.	-1621.0	1.20	0.28	0.14	5.90	105.	10.0	300.9	10.0
15	01	01	1	12	92.8	0.977	1.266	0.005	793.	2363.	-909.7	0.86	0.28	0.14	5.90	110.	10.0	301.1	10.0
15	01	01	1	13	97.3	1.121	1.350	0.005	916.	2832.	-1309.3	0.86	0.28	0.13	6.80	121.	10.0	301.1	10.0
15	01	01	1	14	92.8	1.009	1.365	0.005	992.	2463.	-999.3	0.86	0.28	0.14	6.10	122.	10.0	300.9	10.0
15	01	01	1	15	79.5	1.023	1.320	0.005	1045.	2482.	-1215.7	0.86	0.28	0.14	6.20	121.	10.0	300.9	10.0
15	01	01	1	16	57.7	1.052	1.201	0.005	1085.	2584.	-1821.4	0.86	0.28	0.16	6.40	118.	10.0	300.5	10.0
15	01	01	1	17	28.6	0.967	0.956	0.006	1105.	2302.	-2856.8	0.86	0.28	0.22	5.90	120.	10.0	300.4	10.0
15	01	01	1	18	-27.0	0.889	-9.000	-9.000	-999.	2030.	2353.6	0.86	0.28	0.46	5.50	113.	10.0	300.0	10.0
15	01	01	1	19	-64.0	0.723	-9.000	-9.000	-999.	1517.	533.3	1.20	0.28	1.00	4.00	102.	10.0	299.5	10.0
15	01	01	1	20	-45.9	0.450	-9.000	-9.000	-999.	819.	180.0	1.20	0.28	1.00	2.70	86.	10.0	299.1	10.0
15	01	01	1	21	-40.6	0.379	-9.000	-9.000	-999.	570.	121.7	1.20	0.28	1.00	2.40	74.	10.0	298.6	10.0
15	01	01	1	22	-43.1	0.402	-9.000	-9.000	-999.	612.	136.8	1.20	0.28	1.00	2.50	69.	10.0	298.4	10.0
15	01	01	1	23	-43.1	0.402	-9.000	-9.000	-999.	612.	136.8	1.20	0.28	1.00	2.50	66.	10.0	298.4	10.0
15	01	01	1	24	-34.3	0.336	-9.000	-9.000	-999.	469.	99.6	1.20	0.28	1.00	2.20	58.	10.0	298.1	10.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
15	01	01	01	10.0	1	82.	4.20	298.9	99.0	-99.00	-99.00

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

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
 ALL 1ST HIGHEST VALUE IS 1164.45160 AT ( 739550.00, 1993650.00, 146.42, 151.00, 0.00) DC  
 2ND HIGHEST VALUE IS 1144.32256 AT ( 739750.00, 1993900.00, 152.87, 152.87, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

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	3RD HIGHEST VALUE IS	1092.12864 AT (	739750.00,	1993850.00,	147.81,	154.00,	0.00)	DC
	4TH HIGHEST VALUE IS	1086.24622 AT (	738500.00,	1994850.00,	139.49,	974.00,	0.00)	DC
	5TH HIGHEST VALUE IS	1081.40792 AT (	736000.00,	1996100.00,	179.30,	984.00,	0.00)	DC
	6TH HIGHEST VALUE IS	1081.31597 AT (	739550.00,	1993700.00,	146.70,	151.00,	0.00)	DC
	7TH HIGHEST VALUE IS	1061.88985 AT (	736050.00,	1996100.00,	183.38,	984.00,	0.00)	DC
	8TH HIGHEST VALUE IS	1050.29274 AT (	736000.00,	1996200.00,	181.10,	984.00,	0.00)	DC
	9TH HIGHEST VALUE IS	1045.97562 AT (	739500.00,	1993650.00,	145.09,	151.00,	0.00)	DC
	10TH HIGHEST VALUE IS	1039.71362 AT (	737400.00,	1995750.00,	149.81,	984.00,	0.00)	DC
SC3	1ST HIGHEST VALUE IS	73.09479 AT (	738200.00,	1993750.00,	118.71,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	70.39572 AT (	738200.00,	1993800.00,	126.31,	126.31,	0.00)	DC
	3RD HIGHEST VALUE IS	69.48454 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	69.27597 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	5TH HIGHEST VALUE IS	67.95189 AT (	738200.00,	1993850.00,	125.63,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	66.24380 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	7TH HIGHEST VALUE IS	66.24380 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	8TH HIGHEST VALUE IS	66.24380 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	9TH HIGHEST VALUE IS	66.14923 AT (	738250.00,	1993900.00,	128.00,	128.00,	0.00)	DC
	10TH HIGHEST VALUE IS	65.36159 AT (	738200.00,	1993900.00,	124.47,	124.47,	0.00)	DC
SC4	1ST HIGHEST VALUE IS	7.08621 AT (	738250.00,	1993800.00,	121.00,	128.00,	0.00)	DC
	2ND HIGHEST VALUE IS	6.95694 AT (	738250.00,	1993850.00,	124.81,	128.00,	0.00)	DC
	3RD HIGHEST VALUE IS	6.95659 AT (	738200.00,	1993750.00,	118.71,	128.00,	0.00)	DC
	4TH HIGHEST VALUE IS	6.61395 AT (	738200.00,	1993800.00,	126.31,	126.31,	0.00)	DC
	5TH HIGHEST VALUE IS	6.55000 AT (	738250.00,	1993900.00,	128.00,	128.00,	0.00)	DC
	6TH HIGHEST VALUE IS	6.39779 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	7TH HIGHEST VALUE IS	6.39779 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	8TH HIGHEST VALUE IS	6.39779 AT (	738250.00,	1994000.00,	125.14,	125.14,	0.00)	DC
	9TH HIGHEST VALUE IS	6.37430 AT (	738250.00,	1993950.00,	128.00,	128.00,	0.00)	DC
	10TH HIGHEST VALUE IS	6.31083 AT (	738300.00,	1994050.00,	121.62,	128.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	575.21962 AT (	739550.00,	1993650.00,	146.42,	151.00,	0.00)	DC
	2ND HIGHEST VALUE IS	571.15104 AT (	739750.00,	1993900.00,	152.87,	152.87,	0.00)	DC
	3RD HIGHEST VALUE IS	542.38428 AT (	739550.00,	1993700.00,	146.70,	151.00,	0.00)	DC
	4TH HIGHEST VALUE IS	535.02333 AT (	736000.00,	1996100.00,	179.30,	984.00,	0.00)	DC
	5TH HIGHEST VALUE IS	533.61130 AT (	739750.00,	1993850.00,	147.81,	154.00,	0.00)	DC
	6TH HIGHEST VALUE IS	525.18522 AT (	736050.00,	1996100.00,	183.38,	984.00,	0.00)	DC
	7TH HIGHEST VALUE IS	524.93846 AT (	739500.00,	1993650.00,	145.09,	151.00,	0.00)	DC
	8TH HIGHEST VALUE IS	520.67872 AT (	739750.00,	1993950.00,	150.96,	161.00,	0.00)	DC
	9TH HIGHEST VALUE IS	520.25445 AT (	738500.00,	1994850.00,	139.49,	974.00,	0.00)	DC
	10TH HIGHEST VALUE IS	519.22928 AT (	736000.00,	1996200.00,	181.10,	984.00,	0.00)	DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6	1ST HIGHEST VALUE IS	557.85567 AT ( 739550.00, 1993650.00, 146.42, 151.00, 0.00) DC
	2ND HIGHEST VALUE IS	551.87508 AT ( 739750.00, 1993900.00, 152.87, 152.87, 0.00) DC
	3RD HIGHEST VALUE IS	534.05805 AT ( 739750.00, 1993850.00, 147.81, 154.00, 0.00) DC
	4TH HIGHEST VALUE IS	532.57224 AT ( 738500.00, 1994850.00, 139.49, 974.00, 0.00) DC
	5TH HIGHEST VALUE IS	530.09567 AT ( 736000.00, 1996100.00, 179.30, 984.00, 0.00) DC
	6TH HIGHEST VALUE IS	522.38179 AT ( 736050.00, 1996100.00, 183.38, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	516.11735 AT ( 736000.00, 1996200.00, 181.10, 984.00, 0.00) DC
	8TH HIGHEST VALUE IS	509.33306 AT ( 737400.00, 1995750.00, 149.81, 984.00, 0.00) DC
	9TH HIGHEST VALUE IS	508.51876 AT ( 735950.00, 1996200.00, 186.85, 984.00, 0.00) DC
	10TH HIGHEST VALUE IS	504.81524 AT ( 739550.00, 1993700.00, 146.70, 151.00, 0.00) DC

PB1	1ST HIGHEST VALUE IS	0.00156 AT ( 738300.00, 1993800.00, 115.76, 128.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.00153 AT ( 738300.00, 1993850.00, 123.55, 128.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.00148 AT ( 738300.00, 1993900.00, 117.46, 128.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.00144 AT ( 738150.00, 1993000.00, 91.46, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.00143 AT ( 738350.00, 1993800.00, 120.00, 128.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.00142 AT ( 738350.00, 1993850.00, 127.86, 127.86, 0.00) DC
	7TH HIGHEST VALUE IS	0.00140 AT ( 738350.00, 1994000.00, 112.29, 128.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.00140 AT ( 738250.00, 1993750.00, 112.33, 128.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.00140 AT ( 738250.00, 1993750.00, 112.33, 128.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.00140 AT ( 738250.00, 1993750.00, 112.33, 128.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
		NETWORK				
GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
GRID-ID	-----					
ALL	1ST HIGHEST VALUE IS	944.87769	AT (	737300.00,	1995750.00,	153.85, 984.00, 0.00) DC
	2ND HIGHEST VALUE IS	872.58404	AT (	737300.00,	1995850.00,	163.44, 984.00, 0.00) DC
	3RD HIGHEST VALUE IS	863.19393	AT (	737300.00,	1995800.00,	163.86, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	857.01219	AT (	737350.00,	1995750.00,	153.82, 984.00, 0.00) DC
	5TH HIGHEST VALUE IS	849.48489	AT (	737250.00,	1995950.00,	152.80, 984.00, 0.00) DC
	6TH HIGHEST VALUE IS	816.53266	AT (	737300.00,	1995950.00,	164.54, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	816.40622	AT (	737250.00,	1995900.00,	147.15, 984.00, 0.00) DC
	8TH HIGHEST VALUE IS	815.07668	AT (	735400.00,	1996050.00,	153.77, 984.00, 0.00) DC
	9TH HIGHEST VALUE IS	814.08716	AT (	737300.00,	1995900.00,	166.19, 984.00, 0.00) DC
	10TH HIGHEST VALUE IS	806.25849	AT (	737350.00,	1995800.00,	160.89, 984.00, 0.00) DC
SC3	1ST HIGHEST VALUE IS	40.02120	AT (	737950.00,	1993850.00,	114.85, 114.85, 0.00) DC
	2ND HIGHEST VALUE IS	36.60806	AT (	737300.00,	1995650.00,	117.52, 991.00, 0.00) DC
	3RD HIGHEST VALUE IS	34.18689	AT (	737950.00,	1993800.00,	109.98, 115.00, 0.00) DC
	4TH HIGHEST VALUE IS	34.06011	AT (	735500.00,	1995850.00,	122.98, 991.00, 0.00) DC
	5TH HIGHEST VALUE IS	33.79672	AT (	735450.00,	1995900.00,	124.91, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	33.27194	AT (	737350.00,	1995650.00,	124.71, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	33.14196	AT (	735100.00,	1994600.00,	117.99, 886.00, 0.00) DC
	8TH HIGHEST VALUE IS	32.80622	AT (	735000.00,	1994700.00,	126.30, 886.00, 0.00) DC
	9TH HIGHEST VALUE IS	32.72093	AT (	735150.00,	1994600.00,	126.53, 886.00, 0.00) DC
	10TH HIGHEST VALUE IS	32.70292	AT (	735200.00,	1994550.00,	127.86, 886.00, 0.00) DC
SC4	1ST HIGHEST VALUE IS	3.63153	AT (	737950.00,	1993850.00,	114.85, 114.85, 0.00) DC
	2ND HIGHEST VALUE IS	3.55298	AT (	737300.00,	1995650.00,	117.52, 991.00, 0.00) DC
	3RD HIGHEST VALUE IS	3.41493	AT (	737350.00,	1995650.00,	124.71, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	3.35811	AT (	735500.00,	1995850.00,	122.98, 991.00, 0.00) DC
	5TH HIGHEST VALUE IS	3.32713	AT (	735450.00,	1995900.00,	124.91, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	3.26936	AT (	737900.00,	1993850.00,	113.05, 113.05, 0.00) DC
	7TH HIGHEST VALUE IS	3.26796	AT (	735100.00,	1994600.00,	117.99, 886.00, 0.00) DC
	8TH HIGHEST VALUE IS	3.26292	AT (	738000.00,	1994200.00,	115.13, 121.00, 0.00) DC
	9TH HIGHEST VALUE IS	3.23560	AT (	735000.00,	1994700.00,	126.30, 886.00, 0.00) DC
	10TH HIGHEST VALUE IS	3.19608	AT (	735150.00,	1994600.00,	126.53, 886.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

SC5 1ST HIGHEST VALUE IS 473.93815 AT ( 737300.00, 1995750.00, 153.85, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 436.44813 AT ( 737300.00, 1995800.00, 163.86, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 430.42943 AT ( 737300.00, 1995850.00, 163.44, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 426.61588 AT ( 737250.00, 1995950.00, 152.80, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 416.61222 AT ( 737350.00, 1995750.00, 153.82, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 407.68311 AT ( 737250.00, 1995900.00, 147.15, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 404.48201 AT ( 737250.00, 1995800.00, 149.11, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 401.98153 AT ( 735400.00, 1996050.00, 153.77, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 401.55297 AT ( 737300.00, 1995900.00, 166.19, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 399.99571 AT ( 737300.00, 1995950.00, 164.54, 984.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 456.54483 AT ( 737300.00, 1995750.00, 153.85, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 428.05733 AT ( 737350.00, 1995750.00, 153.82, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 426.52897 AT ( 737300.00, 1995850.00, 163.44, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 421.52599 AT ( 737300.00, 1995800.00, 163.86, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 408.89537 AT ( 737250.00, 1995950.00, 152.80, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 407.49013 AT ( 737300.00, 1995950.00, 164.54, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 407.20648 AT ( 737300.00, 1995900.00, 166.19, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 404.57688 AT ( 737350.00, 1995800.00, 160.89, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 399.68901 AT ( 735400.00, 1996050.00, 153.77, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 390.31510 AT ( 735250.00, 1996150.00, 152.04, 991.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.00100 AT ( 737700.00, 1993450.00, 91.64, 91.64, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00100 AT ( 737700.00, 1993400.00, 89.73, 92.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00097 AT ( 737700.00, 1993350.00, 88.04, 92.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00096 AT ( 737400.00, 1995600.00, 118.18, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00095 AT ( 737400.00, 1995650.00, 125.72, 984.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.00092 AT ( 737400.00, 1995550.00, 110.48, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00091 AT ( 737350.00, 1995650.00, 124.71, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00090 AT ( 737650.00, 1993500.00, 94.14, 94.14, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00090 AT ( 735600.00, 1995800.00, 123.41, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00089 AT ( 738000.00, 1993000.00, 91.69, 95.00, 0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 688.25420 AT ( 735150.00, 1996250.00, 162.42, 991.00, 0.00) DC  
 2ND HIGHEST VALUE IS 685.11372 AT ( 735250.00, 1995950.00, 151.41, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 682.41434 AT ( 735100.00, 1996300.00, 162.95, 991.00, 0.00) DC  
 4TH HIGHEST VALUE IS 674.34897 AT ( 735200.00, 1996200.00, 154.26, 991.00, 0.00) DC  
 5TH HIGHEST VALUE IS 660.81297 AT ( 735200.00, 1996250.00, 164.21, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 657.45865 AT ( 735300.00, 1996200.00, 167.80, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 657.30957 AT ( 735250.00, 1996150.00, 152.04, 991.00, 0.00) DC  
 8TH HIGHEST VALUE IS 657.16510 AT ( 735150.00, 1996100.00, 154.37, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 651.72225 AT ( 735100.00, 1996250.00, 151.01, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 645.23235 AT ( 735100.00, 1996350.00, 168.22, 991.00, 0.00) DC

SC3 1ST HIGHEST VALUE IS 29.76065 AT ( 735400.00, 1996000.00, 129.78, 991.00, 0.00) DC  
 2ND HIGHEST VALUE IS 28.99947 AT ( 735300.00, 1996100.00, 132.87, 991.00, 0.00) DC  
 3RD HIGHEST VALUE IS 28.90534 AT ( 737950.00, 1993850.00, 114.85, 114.85, 0.00) DC  
 4TH HIGHEST VALUE IS 28.66565 AT ( 735350.00, 1995850.00, 123.57, 991.00, 0.00) DC  
 5TH HIGHEST VALUE IS 28.17404 AT ( 735250.00, 1996050.00, 127.92, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 28.16842 AT ( 735300.00, 1995950.00, 129.47, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 28.04367 AT ( 735350.00, 1995900.00, 121.86, 991.00, 0.00) DC  
 8TH HIGHEST VALUE IS 27.54540 AT ( 735100.00, 1994500.00, 120.85, 886.00, 0.00) DC  
 9TH HIGHEST VALUE IS 27.44943 AT ( 735550.00, 1995850.00, 127.02, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 27.27007 AT ( 735350.00, 1996000.00, 124.03, 991.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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SC4 1ST HIGHEST VALUE IS 3.04758 AT ( 737950.00, 1993850.00, 114.85, 114.85, 0.00) DC  
 2ND HIGHEST VALUE IS 2.93231 AT ( 735400.00, 1996000.00, 129.78, 991.00, 0.00) DC  
 3RD HIGHEST VALUE IS 2.84961 AT ( 735300.00, 1996100.00, 132.87, 991.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.81650 AT ( 735350.00, 1995850.00, 123.57, 991.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.77206 AT ( 735250.00, 1996050.00, 127.92, 991.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.76054 AT ( 735350.00, 1995900.00, 121.86, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.75332 AT ( 735300.00, 1995950.00, 129.47, 991.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.71268 AT ( 735550.00, 1995850.00, 127.02, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.70043 AT ( 735550.00, 1995900.00, 133.94, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.69468 AT ( 735350.00, 1996000.00, 124.03, 991.00, 0.00) DC

SC5 1ST HIGHEST VALUE IS 340.37335 AT ( 735150.00, 1996250.00, 162.42, 991.00, 0.00) DC  
 2ND HIGHEST VALUE IS 337.79463 AT ( 735100.00, 1996300.00, 162.95, 991.00, 0.00) DC  
 3RD HIGHEST VALUE IS 335.98983 AT ( 735250.00, 1995950.00, 151.41, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 330.67289 AT ( 735200.00, 1996200.00, 154.26, 991.00, 0.00) DC  
 5TH HIGHEST VALUE IS 326.78850 AT ( 735150.00, 1996100.00, 154.37, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 326.61291 AT ( 735200.00, 1996250.00, 164.21, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 322.10532 AT ( 735100.00, 1996350.00, 168.22, 991.00, 0.00) DC  
 8TH HIGHEST VALUE IS 321.11891 AT ( 735250.00, 1996150.00, 152.04, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 318.89550 AT ( 735100.00, 1996250.00, 151.01, 991.00, 0.00) DC  
 10TH HIGHEST VALUE IS 315.25758 AT ( 735300.00, 1996200.00, 167.80, 984.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* 13:44:09

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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 SC6 1ST HIGHEST VALUE IS 337.69347 AT ( 735150.00, 1996250.00, 162.42, 991.00, 0.00) DC  
 2ND HIGHEST VALUE IS 334.75291 AT ( 735100.00, 1996300.00, 162.95, 991.00, 0.00) DC  
 3RD HIGHEST VALUE IS 331.70874 AT ( 735250.00, 1995950.00, 151.41, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 328.48850 AT ( 735200.00, 1996200.00, 154.26, 991.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

	5TH HIGHEST VALUE IS	325.05536 AT ( 735200.00, 1996250.00, 164.21, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	320.55222 AT ( 735150.00, 1996100.00, 154.37, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	319.43087 AT ( 735250.00, 1996150.00, 152.04, 991.00, 0.00) DC
	8TH HIGHEST VALUE IS	318.71818 AT ( 735100.00, 1996350.00, 168.22, 991.00, 0.00) DC
	9TH HIGHEST VALUE IS	315.51332 AT ( 735100.00, 1996250.00, 151.01, 991.00, 0.00) DC
	10TH HIGHEST VALUE IS	312.90187 AT ( 735300.00, 1996200.00, 167.80, 984.00, 0.00) DC
PB1	1ST HIGHEST VALUE IS	0.00078 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.00078 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.00075 AT ( 735450.00, 1995950.00, 141.23, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.00074 AT ( 735500.00, 1995900.00, 139.26, 984.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.00074 AT ( 735450.00, 1995900.00, 124.91, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.00074 AT ( 735600.00, 1995850.00, 143.24, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.00074 AT ( 738100.00, 1994800.00, 125.06, 974.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.00073 AT ( 735400.00, 1996000.00, 129.78, 991.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.00073 AT ( 738100.00, 1994850.00, 125.09, 974.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.00073 AT ( 735500.00, 1995850.00, 122.98, 991.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL	1ST HIGHEST VALUE IS	629.22346 AT ( 735100.00, 1996350.00, 168.22, 991.00, 0.00) DC
	2ND HIGHEST VALUE IS	606.99421 AT ( 735200.00, 1996250.00, 164.21, 991.00, 0.00) DC
	3RD HIGHEST VALUE IS	595.63593 AT ( 735250.00, 1996200.00, 173.50, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	594.40176 AT ( 734950.00, 1996650.00, 167.22, 1004.00, 0.00) DC
	5TH HIGHEST VALUE IS	582.68121 AT ( 735300.00, 1996200.00, 167.80, 984.00, 0.00) DC
	6TH HIGHEST VALUE IS	568.19660 AT ( 735150.00, 1996250.00, 162.42, 991.00, 0.00) DC
	7TH HIGHEST VALUE IS	565.68156 AT ( 735150.00, 1996300.00, 174.80, 984.00, 0.00) DC
	8TH HIGHEST VALUE IS	559.63274 AT ( 735100.00, 1996300.00, 162.95, 991.00, 0.00) DC
	9TH HIGHEST VALUE IS	550.70454 AT ( 735250.00, 1995900.00, 168.73, 984.00, 0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	10TH HIGHEST VALUE IS	543.58592 AT (	735500.00,	1995950.00,	160.47,	984.00,	0.00)	DC
SC3	1ST HIGHEST VALUE IS	27.35509 AT (	735300.00,	1995950.00,	129.47,	991.00,	0.00)	DC
	2ND HIGHEST VALUE IS	26.19682 AT (	735300.00,	1996100.00,	132.87,	991.00,	0.00)	DC
	3RD HIGHEST VALUE IS	26.00417 AT (	735450.00,	1995900.00,	124.91,	991.00,	0.00)	DC
	4TH HIGHEST VALUE IS	25.91517 AT (	735250.00,	1996050.00,	127.92,	991.00,	0.00)	DC
	5TH HIGHEST VALUE IS	25.70981 AT (	735400.00,	1996000.00,	129.78,	991.00,	0.00)	DC
	6TH HIGHEST VALUE IS	25.07176 AT (	735250.00,	1996000.00,	132.81,	991.00,	0.00)	DC
	7TH HIGHEST VALUE IS	25.07176 AT (	735250.00,	1996000.00,	132.81,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	24.41500 AT (	735350.00,	1996000.00,	124.03,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	24.39514 AT (	735500.00,	1995850.00,	122.98,	991.00,	0.00)	DC
	10TH HIGHEST VALUE IS	24.30809 AT (	735250.00,	1996100.00,	137.52,	991.00,	0.00)	DC
SC4	1ST HIGHEST VALUE IS	2.68232 AT (	735300.00,	1995950.00,	129.47,	991.00,	0.00)	DC
	2ND HIGHEST VALUE IS	2.59021 AT (	735300.00,	1996100.00,	132.87,	991.00,	0.00)	DC
	3RD HIGHEST VALUE IS	2.56144 AT (	735450.00,	1995900.00,	124.91,	991.00,	0.00)	DC
	4TH HIGHEST VALUE IS	2.54948 AT (	735400.00,	1996000.00,	129.78,	991.00,	0.00)	DC
	5TH HIGHEST VALUE IS	2.54241 AT (	735250.00,	1996050.00,	127.92,	991.00,	0.00)	DC
	6TH HIGHEST VALUE IS	2.44875 AT (	735250.00,	1996000.00,	132.81,	991.00,	0.00)	DC
	7TH HIGHEST VALUE IS	2.44875 AT (	735250.00,	1996000.00,	132.81,	991.00,	0.00)	DC
	8TH HIGHEST VALUE IS	2.40526 AT (	735500.00,	1995850.00,	122.98,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	2.40114 AT (	735350.00,	1996000.00,	124.03,	991.00,	0.00)	DC
	10TH HIGHEST VALUE IS	2.39305 AT (	735350.00,	1996050.00,	137.24,	991.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	302.84739 AT (	735100.00,	1996350.00,	168.22,	991.00,	0.00)	DC
	2ND HIGHEST VALUE IS	294.69140 AT (	735250.00,	1996200.00,	173.50,	984.00,	0.00)	DC
	3RD HIGHEST VALUE IS	289.11974 AT (	735200.00,	1996250.00,	164.21,	991.00,	0.00)	DC
	4TH HIGHEST VALUE IS	287.69620 AT (	735300.00,	1996200.00,	167.80,	984.00,	0.00)	DC
	5TH HIGHEST VALUE IS	285.22097 AT (	734950.00,	1996650.00,	167.22,	1004.00,	0.00)	DC
	6TH HIGHEST VALUE IS	283.69027 AT (	735150.00,	1996300.00,	174.80,	984.00,	0.00)	DC
	7TH HIGHEST VALUE IS	276.95638 AT (	735250.00,	1995900.00,	168.73,	984.00,	0.00)	DC
	8TH HIGHEST VALUE IS	270.61712 AT (	734900.00,	1996600.00,	170.94,	991.00,	0.00)	DC
	9TH HIGHEST VALUE IS	269.77849 AT (	735150.00,	1996250.00,	162.42,	991.00,	0.00)	DC
	10TH HIGHEST VALUE IS	266.68599 AT (	735500.00,	1995950.00,	160.47,	984.00,	0.00)	DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

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SC6 1ST HIGHEST VALUE IS 299.36197 AT ( 735100.00, 1996350.00, 168.22, 991.00, 0.00) DC  
2ND HIGHEST VALUE IS 293.72869 AT ( 735250.00, 1996200.00, 173.50, 984.00, 0.00) DC  
3RD HIGHEST VALUE IS 287.76820 AT ( 735300.00, 1996200.00, 167.80, 984.00, 0.00) DC  
4TH HIGHEST VALUE IS 286.18586 AT ( 735200.00, 1996250.00, 164.21, 991.00, 0.00) DC  
5TH HIGHEST VALUE IS 282.25730 AT ( 734950.00, 1996650.00, 167.22, 1004.00, 0.00) DC  
6TH HIGHEST VALUE IS 280.24267 AT ( 735150.00, 1996300.00, 174.80, 984.00, 0.00) DC  
7TH HIGHEST VALUE IS 271.26977 AT ( 735250.00, 1995900.00, 168.73, 984.00, 0.00) DC  
8TH HIGHEST VALUE IS 267.62707 AT ( 735500.00, 1995950.00, 160.47, 984.00, 0.00) DC  
9TH HIGHEST VALUE IS 266.58400 AT ( 735150.00, 1996250.00, 162.42, 991.00, 0.00) DC  
10TH HIGHEST VALUE IS 266.43738 AT ( 734900.00, 1996600.00, 170.94, 991.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.00070 AT ( 735500.00, 1995900.00, 139.26, 984.00, 0.00) DC  
2ND HIGHEST VALUE IS 0.00070 AT ( 735450.00, 1995950.00, 141.23, 984.00, 0.00) DC  
3RD HIGHEST VALUE IS 0.00069 AT ( 735350.00, 1996100.00, 138.00, 991.00, 0.00) DC  
4TH HIGHEST VALUE IS 0.00068 AT ( 735350.00, 1996050.00, 137.24, 991.00, 0.00) DC  
5TH HIGHEST VALUE IS 0.00065 AT ( 735550.00, 1995900.00, 133.94, 991.00, 0.00) DC  
6TH HIGHEST VALUE IS 0.00063 AT ( 735350.00, 1996150.00, 145.36, 991.00, 0.00) DC  
7TH HIGHEST VALUE IS 0.00062 AT ( 735250.00, 1996100.00, 137.52, 991.00, 0.00) DC  
8TH HIGHEST VALUE IS 0.00061 AT ( 735300.00, 1996150.00, 147.94, 991.00, 0.00) DC  
9TH HIGHEST VALUE IS 0.00061 AT ( 735450.00, 1996000.00, 148.57, 984.00, 0.00) DC  
10TH HIGHEST VALUE IS 0.00061 AT ( 735300.00, 1996100.00, 132.87, 991.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*  
06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* \*\*\* 13:44:09

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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ALL	1ST HIGHEST VALUE IS	331.66128 AT (	735700.00,	1995900.00,	153.69,	984.00,	0.00)	DC
	2ND HIGHEST VALUE IS	330.07881 AT (	735000.00,	1994600.00,	135.73,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	329.51594 AT (	735700.00,	1995950.00,	170.35,	984.00,	0.00)	DC
	4TH HIGHEST VALUE IS	324.92147 AT (	735050.00,	1994600.00,	137.41,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	319.49223 AT (	735650.00,	1995900.00,	162.85,	984.00,	0.00)	DC
	6TH HIGHEST VALUE IS	308.38019 AT (	735900.00,	1996000.00,	159.01,	984.00,	0.00)	DC
	7TH HIGHEST VALUE IS	307.46915 AT (	735050.00,	1994550.00,	132.30,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	305.63134 AT (	735600.00,	1995950.00,	169.12,	984.00,	0.00)	DC
	9TH HIGHEST VALUE IS	300.24780 AT (	735750.00,	1995950.00,	151.74,	984.00,	0.00)	DC
	10TH HIGHEST VALUE IS	297.06286 AT (	735050.00,	1994650.00,	137.97,	886.00,	0.00)	DC
SC3	1ST HIGHEST VALUE IS	15.80506 AT (	735100.00,	1994500.00,	120.85,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	15.43512 AT (	735050.00,	1994500.00,	120.63,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	15.25210 AT (	735050.00,	1994550.00,	132.30,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	15.01522 AT (	735100.00,	1994550.00,	119.94,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	14.89745 AT (	735000.00,	1994550.00,	127.51,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	14.52585 AT (	735100.00,	1994450.00,	114.62,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	14.22081 AT (	735000.00,	1994600.00,	135.73,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	14.16006 AT (	735000.00,	1994650.00,	133.40,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	13.82515 AT (	735000.00,	1994700.00,	126.30,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	13.80596 AT (	735750.00,	1995850.00,	123.81,	991.00,	0.00)	DC
SC4	1ST HIGHEST VALUE IS	1.55126 AT (	735100.00,	1994500.00,	120.85,	886.00,	0.00)	DC
	2ND HIGHEST VALUE IS	1.52755 AT (	735050.00,	1994500.00,	120.63,	886.00,	0.00)	DC
	3RD HIGHEST VALUE IS	1.49721 AT (	735050.00,	1994550.00,	132.30,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	1.47933 AT (	735000.00,	1994550.00,	127.51,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	1.47107 AT (	735100.00,	1994550.00,	119.94,	886.00,	0.00)	DC
	6TH HIGHEST VALUE IS	1.42934 AT (	735100.00,	1994450.00,	114.62,	886.00,	0.00)	DC
	7TH HIGHEST VALUE IS	1.39632 AT (	735000.00,	1994600.00,	135.73,	886.00,	0.00)	DC
	8TH HIGHEST VALUE IS	1.38781 AT (	735000.00,	1994650.00,	133.40,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	1.35296 AT (	735000.00,	1994700.00,	126.30,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	1.33644 AT (	735750.00,	1995850.00,	123.81,	991.00,	0.00)	DC
SC5	1ST HIGHEST VALUE IS	162.57268 AT (	735700.00,	1995950.00,	170.35,	984.00,	0.00)	DC
	2ND HIGHEST VALUE IS	159.47558 AT (	735700.00,	1995900.00,	153.69,	984.00,	0.00)	DC
	3RD HIGHEST VALUE IS	158.20777 AT (	735000.00,	1994600.00,	135.73,	886.00,	0.00)	DC
	4TH HIGHEST VALUE IS	156.09040 AT (	735050.00,	1994600.00,	137.41,	886.00,	0.00)	DC
	5TH HIGHEST VALUE IS	156.07143 AT (	735650.00,	1995900.00,	162.85,	984.00,	0.00)	DC
	6TH HIGHEST VALUE IS	154.78626 AT (	735900.00,	1996000.00,	159.01,	984.00,	0.00)	DC
	7TH HIGHEST VALUE IS	152.27881 AT (	735600.00,	1995950.00,	169.12,	984.00,	0.00)	DC
	8TH HIGHEST VALUE IS	146.94695 AT (	734000.00,	1995500.00,	156.65,	886.00,	0.00)	DC
	9TH HIGHEST VALUE IS	146.25769 AT (	735050.00,	1994550.00,	132.30,	886.00,	0.00)	DC
	10TH HIGHEST VALUE IS	145.66564 AT (	735750.00,	1996000.00,	163.23,	984.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*

06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
SC6	1ST HIGHEST VALUE IS 165.15833 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 156.25352 AT ( 735000.00, 1994600.00, 135.73, 886.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 154.25200 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 154.02025 AT ( 735050.00, 1994600.00, 137.41, 886.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 152.22248 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 149.75235 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 149.23958 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 146.84553 AT ( 735600.00, 1995950.00, 169.12, 984.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 146.20662 AT ( 734000.00, 1995500.00, 156.65, 886.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 144.46174 AT ( 735050.00, 1994550.00, 132.30, 886.00, 0.00)	DC	
PB1	1ST HIGHEST VALUE IS 0.00053 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.00053 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.00045 AT ( 737250.00, 1992250.00, 77.29, 89.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.00045 AT ( 737250.00, 1992250.00, 77.29, 89.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.00042 AT ( 735100.00, 1994550.00, 119.94, 886.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.00040 AT ( 735200.00, 1994500.00, 114.09, 886.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.00040 AT ( 735100.00, 1994600.00, 117.99, 886.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.00040 AT ( 735150.00, 1994550.00, 114.73, 886.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 0.00040 AT ( 735300.00, 1994400.00, 108.78, 886.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 0.00039 AT ( 735000.00, 1994700.00, 126.30, 886.00, 0.00)	DC	

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID		NETWORK
ALL	1ST HIGHEST VALUE IS 292.86800 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00) DC	
	2ND HIGHEST VALUE IS 288.07891 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC	
	3RD HIGHEST VALUE IS 287.87936 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC	
	4TH HIGHEST VALUE IS 286.54137 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC	
	5TH HIGHEST VALUE IS 283.38719 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC	
	6TH HIGHEST VALUE IS 277.37729 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00) DC	
	7TH HIGHEST VALUE IS 276.36340 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC	
	8TH HIGHEST VALUE IS 274.87654 AT ( 735450.00, 1996500.00, 161.58, 1004.00, 0.00) DC	
	9TH HIGHEST VALUE IS 253.09682 AT ( 735900.00, 1996050.00, 168.95, 984.00, 0.00) DC	
	10TH HIGHEST VALUE IS 252.76462 AT ( 735750.00, 1996350.00, 161.85, 991.00, 0.00) DC	
SC3	1ST HIGHEST VALUE IS 11.84902 AT ( 736100.00, 1995550.00, 125.33, 984.00, 0.00) DC	
	2ND HIGHEST VALUE IS 11.33159 AT ( 735250.00, 1994550.00, 128.76, 886.00, 0.00) DC	
	3RD HIGHEST VALUE IS 11.16421 AT ( 735150.00, 1994650.00, 127.83, 886.00, 0.00) DC	
	4TH HIGHEST VALUE IS 11.14411 AT ( 735900.00, 1995600.00, 116.68, 984.00, 0.00) DC	
	5TH HIGHEST VALUE IS 11.10273 AT ( 735750.00, 1995900.00, 137.02, 991.00, 0.00) DC	
	6TH HIGHEST VALUE IS 11.09246 AT ( 735900.00, 1995650.00, 118.15, 984.00, 0.00) DC	
	7TH HIGHEST VALUE IS 10.98080 AT ( 735750.00, 1995850.00, 123.81, 991.00, 0.00) DC	
	8TH HIGHEST VALUE IS 10.92996 AT ( 735950.00, 1995600.00, 123.00, 984.00, 0.00) DC	
	9TH HIGHEST VALUE IS 10.76923 AT ( 736100.00, 1995600.00, 136.91, 984.00, 0.00) DC	
	10TH HIGHEST VALUE IS 10.67708 AT ( 736050.00, 1995650.00, 134.66, 984.00, 0.00) DC	
SC4	1ST HIGHEST VALUE IS 1.17056 AT ( 736100.00, 1995550.00, 125.33, 984.00, 0.00) DC	
	2ND HIGHEST VALUE IS 1.11744 AT ( 735950.00, 1995600.00, 123.00, 984.00, 0.00) DC	
	3RD HIGHEST VALUE IS 1.11487 AT ( 735900.00, 1995650.00, 118.15, 984.00, 0.00) DC	
	4TH HIGHEST VALUE IS 1.10569 AT ( 735250.00, 1994550.00, 128.76, 886.00, 0.00) DC	
	5TH HIGHEST VALUE IS 1.08989 AT ( 735150.00, 1994650.00, 127.83, 886.00, 0.00) DC	
	6TH HIGHEST VALUE IS 1.08850 AT ( 735900.00, 1995600.00, 116.68, 984.00, 0.00) DC	
	7TH HIGHEST VALUE IS 1.08514 AT ( 735750.00, 1995900.00, 137.02, 991.00, 0.00) DC	
	8TH HIGHEST VALUE IS 1.07515 AT ( 736100.00, 1995600.00, 136.91, 984.00, 0.00) DC	
	9TH HIGHEST VALUE IS 1.07097 AT ( 735750.00, 1995850.00, 123.81, 991.00, 0.00) DC	
	10TH HIGHEST VALUE IS 1.05625 AT ( 736000.00, 1995800.00, 125.14, 991.00, 0.00) DC	
SC5	1ST HIGHEST VALUE IS 144.49086 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC	

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 143.99476 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 143.43946 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 141.48868 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 138.39234 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 136.22334 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 135.67644 AT ( 735450.00, 1996500.00, 161.58, 1004.00, 0.00) DC  
 8TH HIGHEST VALUE IS 135.46140 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 124.41825 AT ( 735900.00, 1996050.00, 168.95, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 123.66666 AT ( 735750.00, 1996350.00, 161.85, 991.00, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 141.14104 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 140.89504 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 140.04831 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 138.80067 AT ( 735900.00, 1996000.00, 159.01, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 136.56634 AT ( 735900.00, 1995950.00, 151.81, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 135.77623 AT ( 735850.00, 1996100.00, 163.05, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 133.66899 AT ( 735450.00, 1996500.00, 161.58, 1004.00, 0.00) DC  
 8TH HIGHEST VALUE IS 133.24719 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 125.09145 AT ( 735900.00, 1996050.00, 168.95, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 124.07717 AT ( 735750.00, 1996350.00, 161.85, 991.00, 0.00) DC

PB1 1ST HIGHEST VALUE IS 0.00046 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00046 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00035 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00035 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00034 AT ( 737250.00, 1992250.00, 77.29, 89.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00034 AT ( 737250.00, 1992250.00, 77.29, 89.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.00034 AT ( 735950.00, 1995650.00, 130.86, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00033 AT ( 736000.00, 1995600.00, 122.96, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00032 AT ( 735950.00, 1995600.00, 123.00, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00032 AT ( 735900.00, 1995750.00, 121.01, 991.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 264.06991 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 255.30512 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 238.39569 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 238.39569 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 236.19832 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 233.61541 AT ( 735600.00, 1995950.00, 169.12, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 233.49584 AT ( 735450.00, 1996500.00, 161.58, 1004.00, 0.00) DC  
 8TH HIGHEST VALUE IS 231.27014 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 224.77241 AT ( 735450.00, 1996550.00, 167.78, 1004.00, 0.00) DC  
 10TH HIGHEST VALUE IS 218.60471 AT ( 735500.00, 1996500.00, 153.54, 1004.00, 0.00) DC

SC3 1ST HIGHEST VALUE IS 10.84560 AT ( 735950.00, 1995600.00, 123.00, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 10.10164 AT ( 735900.00, 1995650.00, 118.15, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 9.90543 AT ( 735800.00, 1995900.00, 121.25, 991.00, 0.00) DC  
 4TH HIGHEST VALUE IS 9.79213 AT ( 735950.00, 1995550.00, 115.18, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 9.54746 AT ( 735700.00, 1995850.00, 138.61, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 9.48092 AT ( 735700.00, 1995800.00, 127.40, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 9.31131 AT ( 735900.00, 1995600.00, 116.68, 984.00, 0.00) DC  
 8TH HIGHEST VALUE IS 9.27789 AT ( 735750.00, 1995900.00, 137.02, 991.00, 0.00) DC  
 9TH HIGHEST VALUE IS 9.22477 AT ( 737674.46, 1992146.26, 26.64, 102.00, 0.00) DC  
 10TH HIGHEST VALUE IS 9.21926 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

SC4 1ST HIGHEST VALUE IS 1.10832 AT ( 735950.00, 1995600.00, 123.00, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 1.00792 AT ( 735800.00, 1995900.00, 121.25, 991.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.98075 AT ( 735900.00, 1995650.00, 118.15, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.95601 AT ( 735950.00, 1995550.00, 115.18, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.92789 AT ( 735700.00, 1995850.00, 138.61, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.91953 AT ( 735700.00, 1995800.00, 127.40, 991.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.91130 AT ( 737674.46, 1992146.26, 26.64, 102.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.90535 AT ( 737718.08, 1992124.45, 23.09, 102.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.90199 AT ( 735900.00, 1995600.00, 116.68, 984.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.90150 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC

SC5 1ST HIGHEST VALUE IS 131.21968 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 118.10469 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 116.67672 AT ( 735600.00, 1995950.00, 169.12, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 116.20096 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 116.20096 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 6TH HIGHEST VALUE IS 115.90445 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00) DC  
 7TH HIGHEST VALUE IS 115.71284 AT ( 735450.00, 1996500.00, 161.58, 1004.00, 0.00) DC  
 8TH HIGHEST VALUE IS 114.22287 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00) DC  
 9TH HIGHEST VALUE IS 110.56005 AT ( 735450.00, 1996550.00, 167.78, 1004.00, 0.00) DC  
 10TH HIGHEST VALUE IS 106.94417 AT ( 735650.00, 1995950.00, 179.57, 984.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6 1ST HIGHEST VALUE IS 128.14828 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC  
 2ND HIGHEST VALUE IS 119.40187 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 3RD HIGHEST VALUE IS 119.40187 AT ( 735750.00, 1996000.00, 163.23, 984.00, 0.00) DC  
 4TH HIGHEST VALUE IS 117.17369 AT ( 735750.00, 1995950.00, 151.74, 984.00, 0.00) DC  
 5TH HIGHEST VALUE IS 115.08608 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS	113.79501 AT (	735600.00,	1995950.00,	169.12,	984.00,	0.00)	DC
7TH HIGHEST VALUE IS	113.61457 AT (	735700.00,	1995900.00,	153.69,	984.00,	0.00)	DC
8TH HIGHEST VALUE IS	113.16622 AT (	735450.00,	1996500.00,	161.58,	1004.00,	0.00)	DC
9TH HIGHEST VALUE IS	112.95974 AT (	735450.00,	1996550.00,	167.78,	1004.00,	0.00)	DC
10TH HIGHEST VALUE IS	109.23530 AT (	735650.00,	1995950.00,	179.57,	984.00,	0.00)	DC
PB1 1ST HIGHEST VALUE IS	0.00044 AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00)	DC
2ND HIGHEST VALUE IS	0.00044 AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00)	DC
3RD HIGHEST VALUE IS	0.00034 AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00)	DC
4TH HIGHEST VALUE IS	0.00034 AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00)	DC
5TH HIGHEST VALUE IS	0.00033 AT (	737250.00,	1992250.00,	77.29,	89.00,	0.00)	DC
6TH HIGHEST VALUE IS	0.00033 AT (	737250.00,	1992250.00,	77.29,	89.00,	0.00)	DC
7TH HIGHEST VALUE IS	0.00030 AT (	736000.00,	1995600.00,	122.96,	984.00,	0.00)	DC
8TH HIGHEST VALUE IS	0.00030 AT (	735950.00,	1995700.00,	133.75,	984.00,	0.00)	DC
9TH HIGHEST VALUE IS	0.00029 AT (	735900.00,	1995800.00,	131.54,	991.00,	0.00)	DC
10TH HIGHEST VALUE IS	0.00028 AT (	735850.00,	1995900.00,	129.14,	991.00,	0.00)	DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS	229.66823 AT (	735700.00,	1995900.00,	153.69,	984.00,	0.00)	DC
2ND HIGHEST VALUE IS	196.57773 AT (	735650.00,	1995950.00,	179.57,	984.00,	0.00)	DC
3RD HIGHEST VALUE IS	194.37846 AT (	735700.00,	1996000.00,	182.29,	984.00,	0.00)	DC
4TH HIGHEST VALUE IS	193.75106 AT (	735650.00,	1995900.00,	162.85,	984.00,	0.00)	DC
5TH HIGHEST VALUE IS	189.10713 AT (	737574.76,	1992196.11,	45.70,	102.00,	0.00)	DC
6TH HIGHEST VALUE IS	187.41394 AT (	737531.14,	1992211.69,	54.23,	95.00,	0.00)	DC
7TH HIGHEST VALUE IS	186.81773 AT (	735700.00,	1995950.00,	170.35,	984.00,	0.00)	DC
8TH HIGHEST VALUE IS	186.19228 AT (	737512.44,	1992224.15,	57.30,	95.00,	0.00)	DC
9TH HIGHEST VALUE IS	185.77248 AT (	737500.00,	1992250.00,	65.19,	95.00,	0.00)	DC
10TH HIGHEST VALUE IS	185.77248 AT (	737500.00,	1992250.00,	65.19,	95.00,	0.00)	DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

SC3	1ST HIGHEST VALUE IS	9.20642 AT ( 737674.46, 1992146.26, 26.64, 102.00, 0.00) DC
	2ND HIGHEST VALUE IS	9.19555 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	3RD HIGHEST VALUE IS	9.09151 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	4TH HIGHEST VALUE IS	9.07365 AT ( 737718.08, 1992124.45, 23.09, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	8.96053 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	6TH HIGHEST VALUE IS	8.96053 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	7TH HIGHEST VALUE IS	8.93640 AT ( 737500.00, 1992000.00, 20.86, 102.00, 0.00) DC
	8TH HIGHEST VALUE IS	8.92178 AT ( 737531.14, 1992211.69, 54.23, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	8.84282 AT ( 737462.59, 1991981.13, 14.97, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	8.82919 AT ( 737428.32, 1991999.82, 17.12, 102.00, 0.00) DC
SC4	1ST HIGHEST VALUE IS	0.90269 AT ( 737718.08, 1992124.45, 23.09, 102.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.90227 AT ( 737674.46, 1992146.26, 26.64, 102.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.89509 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.88536 AT ( 737500.00, 1992000.00, 20.86, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.88106 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.87713 AT ( 737462.59, 1991981.13, 14.97, 102.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.87489 AT ( 737761.70, 1992105.76, 21.87, 102.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.87342 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.87342 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.86959 AT ( 737490.63, 1991956.20, 14.59, 102.00, 0.00) DC
SC5	1ST HIGHEST VALUE IS	110.90856 AT ( 735700.00, 1995900.00, 153.69, 984.00, 0.00) DC
	2ND HIGHEST VALUE IS	96.68700 AT ( 735650.00, 1995900.00, 162.85, 984.00, 0.00) DC
	3RD HIGHEST VALUE IS	96.00802 AT ( 735700.00, 1996000.00, 182.29, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	95.04530 AT ( 735650.00, 1995950.00, 179.57, 984.00, 0.00) DC
	5TH HIGHEST VALUE IS	91.01238 AT ( 735500.00, 1996450.00, 176.51, 991.00, 0.00) DC
	6TH HIGHEST VALUE IS	90.64795 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	7TH HIGHEST VALUE IS	90.21816 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC
	8TH HIGHEST VALUE IS	89.97944 AT ( 737531.14, 1992211.69, 54.23, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	89.55400 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	89.55400 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*

06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	
		-----						
SC6	1ST HIGHEST VALUE IS	111.07442	AT (	735700.00,	1995900.00,	153.69,	984.00,	0.00) DC
	2ND HIGHEST VALUE IS	98.10478	AT (	735700.00,	1996000.00,	182.29,	984.00,	0.00) DC
	3RD HIGHEST VALUE IS	93.70286	AT (	735650.00,	1995900.00,	162.85,	984.00,	0.00) DC
	4TH HIGHEST VALUE IS	93.14040	AT (	735650.00,	1995950.00,	179.57,	984.00,	0.00) DC
	5TH HIGHEST VALUE IS	92.68543	AT (	735700.00,	1995950.00,	170.35,	984.00,	0.00) DC
	6TH HIGHEST VALUE IS	90.97834	AT (	735500.00,	1996450.00,	176.51,	991.00,	0.00) DC
	7TH HIGHEST VALUE IS	88.79169	AT (	737574.76,	1992196.11,	45.70,	102.00,	0.00) DC
	8TH HIGHEST VALUE IS	88.31094	AT (	737531.14,	1992211.69,	54.23,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	87.60638	AT (	737624.61,	1992171.19,	32.47,	102.00,	0.00) DC
	10TH HIGHEST VALUE IS	87.49692	AT (	735400.00,	1996500.00,	171.89,	991.00,	0.00) DC
PB1	1ST HIGHEST VALUE IS	0.00034	AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00034	AT (	737750.00,	1992500.00,	90.69,	95.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00031	AT (	737250.00,	1992250.00,	77.29,	89.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00031	AT (	737250.00,	1992250.00,	77.29,	89.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00029	AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.00029	AT (	737000.00,	1992500.00,	93.14,	102.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00023	AT (	735900.00,	1995650.00,	118.15,	984.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00023	AT (	735950.00,	1995550.00,	115.18,	984.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.00022	AT (	735950.00,	1995600.00,	123.00,	984.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.00021	AT (	737668.23,	1991887.65,	8.62,	102.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*  
06/02/16  
\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	
		-----						
ALL	1ST HIGHEST VALUE IS	187.73710	AT (	737574.76,	1992196.11,	45.70,	102.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	186.80432 AT ( 737531.14, 1992211.69, 54.23, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	185.99502 AT ( 737512.44, 1992224.15, 57.30, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	185.14912 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	185.14912 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	184.99128 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC
	7TH HIGHEST VALUE IS	184.71604 AT ( 737487.52, 1992189.88, 49.69, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	184.45480 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	9TH HIGHEST VALUE IS	182.79935 AT ( 737465.71, 1992161.84, 43.50, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	181.40899 AT ( 737397.16, 1992037.21, 24.61, 102.00, 0.00) DC
SC3	1ST HIGHEST VALUE IS	9.17455 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	2ND HIGHEST VALUE IS	9.17388 AT ( 737674.46, 1992146.26, 26.64, 102.00, 0.00) DC
	3RD HIGHEST VALUE IS	9.08404 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	4TH HIGHEST VALUE IS	9.07118 AT ( 737718.08, 1992124.45, 23.09, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	8.95271 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	6TH HIGHEST VALUE IS	8.95271 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	7TH HIGHEST VALUE IS	8.88439 AT ( 737531.14, 1992211.69, 54.23, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	8.84269 AT ( 737462.59, 1991981.13, 14.97, 102.00, 0.00) DC
	9TH HIGHEST VALUE IS	8.80942 AT ( 737428.32, 1991999.82, 17.12, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	8.80818 AT ( 737500.00, 1992000.00, 20.86, 102.00, 0.00) DC
SC4	1ST HIGHEST VALUE IS	0.90188 AT ( 737674.46, 1992146.26, 26.64, 102.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.90103 AT ( 737718.08, 1992124.45, 23.09, 102.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.89478 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.88144 AT ( 737500.00, 1992000.00, 20.86, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.88018 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.87558 AT ( 737462.59, 1991981.13, 14.97, 102.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.86950 AT ( 737490.63, 1991956.20, 14.59, 102.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.86833 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.86833 AT ( 737750.00, 1992250.00, 39.47, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.86731 AT ( 737761.70, 1992105.76, 21.87, 102.00, 0.00) DC
SC5	1ST HIGHEST VALUE IS	89.95391 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	2ND HIGHEST VALUE IS	89.49958 AT ( 737531.14, 1992211.69, 54.23, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	89.26782 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	89.23943 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	89.23943 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	89.15336 AT ( 737512.44, 1992224.15, 57.30, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	88.69158 AT ( 737487.52, 1992189.88, 49.69, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	87.74065 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	9TH HIGHEST VALUE IS	87.58704 AT ( 737465.71, 1992161.84, 43.50, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	86.90019 AT ( 735650.00, 1995950.00, 179.57, 984.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

SC6	1ST HIGHEST VALUE IS	88.23122 AT ( 737574.76, 1992196.11, 45.70, 102.00, 0.00) DC
	2ND HIGHEST VALUE IS	88.10886 AT ( 737531.14, 1992211.69, 54.23, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	87.79151 AT ( 735700.00, 1995950.00, 170.35, 984.00, 0.00) DC
	4TH HIGHEST VALUE IS	87.45858 AT ( 737624.61, 1992171.19, 32.47, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	87.39248 AT ( 737512.44, 1992224.15, 57.30, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	87.15603 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	87.15603 AT ( 737500.00, 1992250.00, 65.19, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	86.89162 AT ( 737487.52, 1992189.88, 49.69, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	86.13873 AT ( 737465.71, 1992161.84, 43.50, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	86.09905 AT ( 735650.00, 1995950.00, 179.57, 984.00, 0.00) DC
PB1	1ST HIGHEST VALUE IS	0.00031 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.00031 AT ( 737750.00, 1992500.00, 90.69, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.00026 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.00026 AT ( 737000.00, 1992500.00, 93.14, 102.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.00021 AT ( 737668.23, 1991887.65, 8.62, 102.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.00021 AT ( 737646.42, 1991872.08, 7.06, 102.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.00020 AT ( 737689.08, 1991872.18, 5.78, 102.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.00020 AT ( 737659.46, 1991855.52, 6.30, 102.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.00020 AT ( 737683.81, 1991897.00, 8.62, 102.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.00020 AT ( 737630.84, 1991862.73, 7.00, 102.00, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* PREPA Costa Sur SO2 Model 2015 SO2 Actual Emissions \*\*\*  
06/02/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* \*\* 13:44:09

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)

A Total of 1 Warning Message(s)

A Total of 144 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 46 Calm Hours Identified

A Total of 98 Missing Hours Identified ( 1.12 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

OU W273 12260 OUMAXD\_CONT: Range of ranks for MAXDCONT THRESH Opt is limited: Max Rank = 9

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Aguirre 2013**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* Met Data 2013 \*\*\* 08:15:28

PAGE 1

\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO2

\*\*Note that special processing requirements apply for the 1-hour SO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 3124 Receptor(s)

with: 5 POINT(s), including

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

---

0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 220.5 MB of RAM.

\*\*Input Runstream File: GuayamaSO2NewMet2013\_2013\_SO2.DTA

\*\*Output Print File: GuayamaSO2NewMet2013\_2013\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
DocumentsINFORMES\SO2Designation2016withactualemi2013to2015\SalinasGu

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

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



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

1111111111 1111111111 1111111111 1111111111 1111111111  
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1111111111 111111

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Surface file: JOB13.sfc Met Version: 15181  
Profile file: JOB13.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2013 Year: 2013

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

13	01	01	1	01	-3.0	0.061	-9.000	-9.000	-999.	36.	6.9	0.38	0.62	1.00	1.00	46.	10.0	296.5	2.0
13	01	01	1	02	-5.9	0.086	-9.000	-9.000	-999.	60.	9.7	0.38	0.62	1.00	1.40	42.	10.0	296.1	2.0
13	01	01	1	03	-3.6	0.067	-9.000	-9.000	-999.	42.	7.6	0.38	0.62	1.00	1.10	25.	10.0	296.2	2.0
13	01	01	1	04	-0.8	0.031	-9.000	-9.000	-999.	13.	3.5	0.38	0.62	1.00	0.50	30.	10.0	295.4	2.0
13	01	01	1	05	-1.5	0.043	-9.000	-9.000	-999.	21.	4.8	0.38	0.62	1.00	0.70	52.	10.0	295.9	2.0
13	01	01	1	06	-0.4	0.017	-9.000	-9.000	-999.	6.	1.4	0.01	0.18	1.00	0.60	85.	10.0	296.6	2.0

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

13 01 01	1 07	-0.2	0.014	-9.000	-9.000	-999.	4.	1.1	0.01	0.18	1.00	0.50	126.	10.0	296.9	2.0
13 01 01	1 08	-2.1	0.056	-9.000	-9.000	-999.	32.	7.9	0.10	0.18	0.44	1.30	89.	10.0	297.8	2.0
13 01 01	1 09	18.9	0.092	0.407	0.005	129.	66.	-3.7	0.01	0.18	0.21	1.20	121.	10.0	300.2	2.0
13 01 01	1 10	39.8	0.154	0.614	0.005	212.	145.	-8.4	0.01	0.18	0.15	2.20	146.	10.0	301.1	2.0
13 01 01	1 11	56.7	0.208	0.872	0.005	426.	227.	-14.4	0.01	0.18	0.13	3.10	127.	10.0	301.6	2.0
13 01 01	1 12	64.7	0.220	1.015	0.005	589.	248.	-15.0	0.01	0.18	0.13	3.30	120.	10.0	302.1	2.0
13 01 01	1 13	68.9	0.243	1.110	0.005	723.	287.	-18.9	0.01	0.18	0.12	3.70	118.	10.0	302.0	2.0
13 01 01	1 14	65.6	0.199	1.145	0.005	831.	213.	-10.9	0.01	0.18	0.13	2.90	115.	10.0	302.0	2.0
13 01 01	1 15	54.6	0.180	1.171	0.005	1068.	183.	-9.7	0.01	0.18	0.13	2.60	155.	10.0	301.9	2.0
13 01 01	1 16	40.4	0.160	1.068	0.005	1097.	154.	-9.2	0.01	0.18	0.15	2.30	142.	10.0	301.2	2.0
13 01 01	1 17	17.7	0.157	0.815	0.005	1109.	149.	-19.9	0.01	0.18	0.22	2.40	120.	10.0	300.5	2.0
13 01 01	1 18	-1.4	0.041	-9.000	-9.000	-999.	38.	4.2	0.01	0.18	0.46	1.40	137.	10.0	299.6	2.0
13 01 01	1 19	-1.2	0.032	-9.000	-9.000	-999.	14.	2.5	0.01	0.18	1.00	1.10	136.	10.0	298.4	2.0
13 01 01	1 20	-0.6	0.023	-9.000	-9.000	-999.	8.	1.8	0.01	0.18	1.00	0.80	90.	10.0	297.5	2.0
13 01 01	1 21	-1.0	0.029	-9.000	-9.000	-999.	12.	2.3	0.01	0.18	1.00	1.00	104.	10.0	297.5	2.0
13 01 01	1 22	-5.9	0.086	-9.000	-9.000	-999.	60.	9.7	0.38	0.62	1.00	1.40	44.	10.0	297.0	2.0
13 01 01	1 23	-0.8	0.026	-9.000	-9.000	-999.	12.	2.0	0.01	0.18	1.00	0.90	71.	10.0	296.9	2.0
13 01 01	1 24	-1.0	0.029	-9.000	-9.000	-999.	12.	2.3	0.01	0.18	1.00	1.00	112.	10.0	297.0	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	2.0	0	-999.	-99.00	296.6	99.0	-99.00	-99.00
13	01	01	01	10.0	1	46.	1.00	-999.0	99.0	-99.00	-99.00

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

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
 ALL 1ST HIGHEST VALUE IS 182.85486 AT ( 791800.00, 1988350.00, 8.86, 8.86, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	182.84000 AT ( 791750.00, 1988400.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	182.73614 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	182.73517 AT ( 791850.00, 1988350.00,	8.86,	8.86,	0.00) DC
	5TH HIGHEST VALUE IS	182.58781 AT ( 791550.00, 1987350.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	182.51323 AT ( 791600.00, 1987350.00,	3.00,	3.00,	0.00) DC
	7TH HIGHEST VALUE IS	182.49339 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	182.47700 AT ( 791500.00, 1987350.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	182.43973 AT ( 791750.00, 1988350.00,	8.86,	8.86,	0.00) DC
	10TH HIGHEST VALUE IS	182.43446 AT ( 791700.00, 1988400.00,	10.00,	10.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	95.15197 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	95.02476 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	94.99576 AT ( 791850.00, 1988400.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	94.94941 AT ( 791850.00, 1988350.00,	8.86,	8.86,	0.00) DC
	5TH HIGHEST VALUE IS	94.80736 AT ( 791950.00, 1988350.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	94.78218 AT ( 791750.00, 1988400.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	94.73546 AT ( 792000.00, 1988300.00,	9.86,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	94.71984 AT ( 791750.00, 1988450.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	94.71090 AT ( 791600.00, 1987350.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	94.70172 AT ( 791800.00, 1988350.00,	8.86,	8.86,	0.00) DC
AG2	1ST HIGHEST VALUE IS	87.89727 AT ( 791750.00, 1988350.00,	8.86,	8.86,	0.00) DC
	2ND HIGHEST VALUE IS	87.86737 AT ( 791550.00, 1987300.00,	3.00,	3.00,	0.00) DC
	3RD HIGHEST VALUE IS	87.82854 AT ( 791600.00, 1987300.00,	3.00,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	87.82199 AT ( 791800.00, 1988350.00,	8.86,	8.86,	0.00) DC
	5TH HIGHEST VALUE IS	87.81512 AT ( 791500.00, 1987300.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	87.79275 AT ( 791700.00, 1988400.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	87.72654 AT ( 791850.00, 1988250.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	87.72383 AT ( 791750.00, 1988400.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	87.71966 AT ( 791700.00, 1988350.00,	8.86,	8.86,	0.00) DC
	10TH HIGHEST VALUE IS	87.71900 AT ( 791800.00, 1988300.00,	7.00,	7.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	2.22265 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	2.06476 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	3RD HIGHEST VALUE IS	1.95842 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	4TH HIGHEST VALUE IS	1.80664 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.69538 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.56042 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.51219 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	1.50136 AT ( 793250.00, 1988350.00,	80.33,	89.00,	0.00) DC
	9TH HIGHEST VALUE IS	1.47286 AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00) DC
	10TH HIGHEST VALUE IS	1.46346 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
CC2	1ST HIGHEST VALUE IS 6.36413 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00)	DC	
	2ND HIGHEST VALUE IS 5.54573 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 5.51216 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 5.50402 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 5.46467 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 4.92235 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 4.90726 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 4.89721 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00)	DC	
	9TH HIGHEST VALUE IS 4.73392 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 4.50598 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00)	DC	
AGGT	1ST HIGHEST VALUE IS 0.00656 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.00654 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.00519 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.00477 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.00436 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.00426 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.00416 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.00363 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 0.00352 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 0.00337 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00)	DC	

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

		** CONC OF SO2 IN MICROGRAMS/M**3					**	
GROUP ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	
GRID-ID								
ALL	1ST HIGHEST VALUE IS	180.47470	AT (	791750.00,	1988500.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	180.47470	AT (	791750.00,	1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	180.16095	AT (	791700.00,	1988500.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	179.56090	AT (	791800.00,	1988450.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	179.33544	AT (	791850.00,	1988450.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	179.33538	AT (	791800.00,	1988500.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	179.12542	AT (	791650.00,	1988500.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	179.11534	AT (	791750.00,	1988450.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	178.38186	AT (	791900.00,	1988450.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	178.16684	AT (	791850.00,	1988400.00,	10.00,	10.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	93.46550	AT (	791800.00,	1988500.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	93.37818	AT (	791850.00,	1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	93.20036	AT (	791750.00,	1988500.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	93.20036	AT (	791750.00,	1988500.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	92.83152	AT (	791850.00,	1988450.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	92.73797	AT (	791900.00,	1988450.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	92.62381	AT (	791700.00,	1988500.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	92.56778	AT (	791800.00,	1988450.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	92.48866	AT (	791900.00,	1988500.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	92.42972	AT (	792100.00,	1988250.00,	9.99,	95.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	86.81317	AT (	791750.00,	1988450.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	86.77263	AT (	791650.00,	1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	86.61887	AT (	791700.00,	1988450.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	86.54081	AT (	791600.00,	1988500.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	86.46692	AT (	791700.00,	1988500.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	86.39775	AT (	791800.00,	1988450.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	86.26226	AT (	791800.00,	1988400.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	86.13320	AT (	791650.00,	1988450.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	86.12004	AT (	791850.00,	1988400.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	86.07083	AT (	791750.00,	1988400.00,	10.00,	10.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	1.99830	AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS 1.87678 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 1.75139 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 1.55810 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.54652 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.51816 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.40587 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.35634 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.15753 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.10950 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 5.90912 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 5.35866 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 5.11635 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 5.11169 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 4.96272 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 4.89111 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.60851 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 4.39517 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 9TH HIGHEST VALUE IS 4.30189 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.72999 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.00648 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00585 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00514 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00409 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00381 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00379 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.00376 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00352 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00330 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00303 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 176.56238 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 176.49426 AT ( 791900.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 176.38687 AT ( 791900.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 176.07129 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 5TH HIGHEST VALUE IS 175.95823 AT ( 791850.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 175.55315 AT ( 791900.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 7TH HIGHEST VALUE IS 175.48070 AT ( 791850.00, 1988350.00, 8.86, 8.86, 0.00) DC  
 8TH HIGHEST VALUE IS 175.43441 AT ( 791850.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 175.19211 AT ( 791950.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 175.02450 AT ( 792000.00, 1988400.00, 10.00, 95.00, 0.00) DC

AG1 1ST HIGHEST VALUE IS 91.81608 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 91.52392 AT ( 791900.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 91.39183 AT ( 791950.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 91.36948 AT ( 792000.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 91.32288 AT ( 791900.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 91.20311 AT ( 792000.00, 1988450.00, 10.00, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 91.01793 AT ( 791850.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 91.00431 AT ( 791850.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 90.96996 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 90.82777 AT ( 792000.00, 1988350.00, 10.00, 95.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

AG2 1ST HIGHEST VALUE IS 85.08734 AT ( 791900.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 84.83073 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 84.68034 AT ( 791850.00, 1988350.00, 8.86, 8.86, 0.00) DC  
 4TH HIGHEST VALUE IS 84.63726 AT ( 791900.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 5TH HIGHEST VALUE IS 84.60759 AT ( 791850.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 84.42754 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 7TH HIGHEST VALUE IS 84.35826 AT ( 791800.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 84.23627 AT ( 791800.00, 1988350.00, 8.86, 8.86, 0.00) DC  
 9TH HIGHEST VALUE IS 84.08102 AT ( 791850.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 84.02878 AT ( 791800.00, 1988450.00, 10.00, 10.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 1.81229 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 1.80247 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 1.73122 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 1.53809 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.48254 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.35784 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.31367 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.26547 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.08843 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.07165 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
 06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 5.63962 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 5.30485 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 4.97716 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 4.90406 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 4.46505 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 4.34673 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.26931 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 4.12064 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 9TH HIGHEST VALUE IS 3.68591 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.30543 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.00581 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00512 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00504 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00401 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00374 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00348 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00338 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00305 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00294 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00290 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
 06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
 ALL 1ST HIGHEST VALUE IS 173.25415 AT ( 791750.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 173.18768 AT ( 791800.00, 1988350.00, 8.86, 8.86, 0.00) DC  
 3RD HIGHEST VALUE IS 173.11299 AT ( 791800.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 173.02867 AT ( 791850.00, 1988350.00, 8.86, 8.86, 0.00) DC  
 5TH HIGHEST VALUE IS 172.76020 AT ( 791900.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 172.59224 AT ( 791700.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 7TH HIGHEST VALUE IS 172.48573 AT ( 791750.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 172.44561 AT ( 791750.00, 1988350.00, 8.86, 8.86, 0.00) DC  
 9TH HIGHEST VALUE IS 172.43146 AT ( 791850.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 172.31326 AT ( 791900.00, 1988300.00, 7.00, 7.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

AG1	1ST HIGHEST VALUE IS	90.09001 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	90.02628 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	89.97682 AT ( 791850.00, 1988400.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	89.87006 AT ( 791850.00, 1988350.00,	8.86,	8.86,	0.00) DC
	5TH HIGHEST VALUE IS	89.76516 AT ( 791750.00, 1988450.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	89.73093 AT ( 791950.00, 1988350.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	89.71706 AT ( 791800.00, 1988450.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	89.63830 AT ( 791900.00, 1988400.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	89.61649 AT ( 792000.00, 1988300.00,	9.86,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	89.39493 AT ( 791850.00, 1988450.00,	10.00,	10.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	83.27259 AT ( 791750.00, 1988350.00,	8.86,	8.86,	0.00) DC
	2ND HIGHEST VALUE IS	83.20863 AT ( 791700.00, 1988400.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	83.17968 AT ( 791800.00, 1988350.00,	8.86,	8.86,	0.00) DC
	4TH HIGHEST VALUE IS	83.12298 AT ( 791750.00, 1988400.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	83.05596 AT ( 791800.00, 1988300.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	82.94933 AT ( 791850.00, 1988300.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	82.81823 AT ( 791850.00, 1988350.00,	8.86,	8.86,	0.00) DC
	8TH HIGHEST VALUE IS	82.79580 AT ( 791700.00, 1988350.00,	8.86,	8.86,	0.00) DC
	9TH HIGHEST VALUE IS	82.78237 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	82.74023 AT ( 791700.00, 1988450.00,	10.00,	10.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	1.72347 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	1.65085 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	3RD HIGHEST VALUE IS	1.64282 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	4TH HIGHEST VALUE IS	1.47247 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.28912 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.25241 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.24411 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	1.20541 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.87893 AT ( 793100.00, 1988450.00,	78.79,	85.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.82279 AT ( 792950.00, 1988200.00,	72.78,	95.00,	0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK							
		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE							
CC2	1ST HIGHEST VALUE IS	4.60948	AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00)	DC
	2ND HIGHEST VALUE IS	4.25158	AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00)	DC
	3RD HIGHEST VALUE IS	4.13950	AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00)	DC
	4TH HIGHEST VALUE IS	4.03572	AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00)	DC
	5TH HIGHEST VALUE IS	3.99648	AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	3.93339	AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00)	DC
	7TH HIGHEST VALUE IS	3.82470	AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00)	DC
	8TH HIGHEST VALUE IS	3.30541	AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00)	DC
	9TH HIGHEST VALUE IS	2.85588	AT (	792750.00,	1988250.00,	72.17,	95.00,	0.00)	DC
	10TH HIGHEST VALUE IS	2.85588	AT (	792750.00,	1988250.00,	72.17,	95.00,	0.00)	DC

AGGT	1ST HIGHEST VALUE IS	0.00483	AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00)	DC
	2ND HIGHEST VALUE IS	0.00481	AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00)	DC
	3RD HIGHEST VALUE IS	0.00470	AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00)	DC
	4TH HIGHEST VALUE IS	0.00331	AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.00319	AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.00290	AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.00278	AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.00246	AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.00234	AT (	793100.00,	1988450.00,	78.79,	85.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.00227	AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK							
		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE							
ALL	1ST HIGHEST VALUE IS	170.46824	AT (	791750.00,	1988500.00,	10.00,	10.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	170.46824 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	170.37294 AT ( 791850.00, 1988450.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	169.86183 AT ( 791800.00, 1988500.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	169.74846 AT ( 791800.00, 1988450.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	169.34409 AT ( 791900.00, 1988400.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	169.31297 AT ( 791700.00, 1988500.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	169.28062 AT ( 791950.00, 1988400.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	168.84345 AT ( 791900.00, 1988450.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	168.73596 AT ( 791850.00, 1988400.00,	10.00,	10.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	88.43379 AT ( 791850.00, 1988500.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	88.24690 AT ( 791800.00, 1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	88.14828 AT ( 791900.00, 1988450.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	87.84386 AT ( 791950.00, 1988450.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	87.79710 AT ( 791850.00, 1988450.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	87.61403 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	87.61403 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	87.54693 AT ( 791900.00, 1988500.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	87.53526 AT ( 792000.00, 1988400.00,	10.00,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	87.52894 AT ( 791950.00, 1988400.00,	10.00,	10.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	81.99238 AT ( 791750.00, 1988450.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	81.94532 AT ( 791700.00, 1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	81.88656 AT ( 791850.00, 1988400.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	81.82735 AT ( 791800.00, 1988450.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	81.70943 AT ( 791650.00, 1988500.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	81.60790 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	81.44857 AT ( 791700.00, 1988450.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	81.38448 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	81.38448 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	81.34633 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	1.64705 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	1.53852 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	3RD HIGHEST VALUE IS	1.50001 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	4TH HIGHEST VALUE IS	1.46410 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.16794 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.13374 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.13158 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	1.11124 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.81989 AT ( 792950.00, 1988200.00,	72.78,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.74426 AT ( 792850.00, 1988350.00,	73.92,	95.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 4.55098 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 3.96849 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.95074 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 3.73932 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 3.62026 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 3.53904 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.22487 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.17635 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.41058 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.40616 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.00465 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00443 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00392 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00319 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00276 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00250 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00243 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00236 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00226 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00224 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
GROUP ID	AVERAGE CONC	NETWORK				
GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
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ALL	1ST HIGHEST VALUE IS	162.96801	AT (	791950.00,	1988500.00,	10.00, 10.00, 0.00) DC
	2ND HIGHEST VALUE IS	162.84207	AT (	792000.00,	1988450.00,	10.00, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	162.13441	AT (	792050.00,	1988400.00,	10.00, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	161.47923	AT (	791900.00,	1988500.00,	10.00, 10.00, 0.00) DC
	5TH HIGHEST VALUE IS	161.11246	AT (	791950.00,	1988450.00,	10.00, 10.00, 0.00) DC
	6TH HIGHEST VALUE IS	161.08541	AT (	792100.00,	1988350.00,	10.00, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	160.45621	AT (	792000.00,	1988400.00,	10.00, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	159.65064	AT (	792150.00,	1988300.00,	10.00, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	159.63684	AT (	792050.00,	1988450.00,	10.00, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	159.54748	AT (	792100.00,	1988400.00,	10.00, 95.00, 0.00) DC
AG1	1ST HIGHEST VALUE IS	84.56267	AT (	792000.00,	1988500.00,	10.00, 92.00, 0.00) DC
	2ND HIGHEST VALUE IS	84.56267	AT (	792000.00,	1988500.00,	10.00, 92.00, 0.00) DC
	3RD HIGHEST VALUE IS	84.27647	AT (	792050.00,	1988450.00,	10.00, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	83.82325	AT (	792100.00,	1988400.00,	10.00, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	83.62615	AT (	791950.00,	1988500.00,	10.00, 10.00, 0.00) DC
	6TH HIGHEST VALUE IS	83.36162	AT (	792000.00,	1988450.00,	10.00, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	83.18124	AT (	792150.00,	1988350.00,	10.00, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	82.97479	AT (	792100.00,	1988450.00,	10.00, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	82.93733	AT (	792050.00,	1988500.00,	10.00, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	82.93705	AT (	792050.00,	1988400.00,	10.00, 95.00, 0.00) DC
AG2	1ST HIGHEST VALUE IS	78.36171	AT (	792000.00,	1988400.00,	10.00, 95.00, 0.00) DC
	2ND HIGHEST VALUE IS	78.35113	AT (	791950.00,	1988450.00,	10.00, 10.00, 0.00) DC
	3RD HIGHEST VALUE IS	78.08065	AT (	791900.00,	1988500.00,	10.00, 10.00, 0.00) DC
	4TH HIGHEST VALUE IS	77.97263	AT (	792050.00,	1988350.00,	10.00, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	77.85657	AT (	791850.00,	1988500.00,	10.00, 10.00, 0.00) DC
	6TH HIGHEST VALUE IS	77.76982	AT (	791900.00,	1988450.00,	10.00, 10.00, 0.00) DC
	7TH HIGHEST VALUE IS	77.55428	AT (	791950.00,	1988400.00,	10.00, 10.00, 0.00) DC
	8TH HIGHEST VALUE IS	77.41167	AT (	792100.00,	1988300.00,	10.00, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	77.19319	AT (	792000.00,	1988350.00,	10.00, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	76.78710	AT (	791800.00,	1988500.00,	10.00, 10.00, 0.00) DC

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CC1	1ST HIGHEST VALUE IS	1.52014 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	2ND HIGHEST VALUE IS	1.51353 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	1.49079 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	4TH HIGHEST VALUE IS	1.35878 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.07766 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.05390 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.04861 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.92992 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.72049 AT ( 792850.00, 1988350.00,	73.92,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.65365 AT ( 792800.00, 1988350.00,	73.92,	95.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2	1ST HIGHEST VALUE IS	4.30764 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	3.93882 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	3.62095 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	3.41603 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	3.18575 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	2.54294 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	2.30984 AT ( 792700.00, 1988300.00,	71.81,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	2.27245 AT ( 792750.00, 1988250.00,	72.17,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	2.27245 AT ( 792750.00, 1988250.00,	72.17,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	1.97953 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC

AGGT	1ST HIGHEST VALUE IS	0.00446 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	0.00439 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	3RD HIGHEST VALUE IS	0.00376 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00258 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00236 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.00219 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00215 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00206 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00204 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00166 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 156.51375 AT ( 791800.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 156.20333 AT ( 791850.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 155.56086 AT ( 791900.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 155.06862 AT ( 791850.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 5TH HIGHEST VALUE IS 154.81819 AT ( 791900.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 154.61435 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 7TH HIGHEST VALUE IS 154.24843 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 153.55835 AT ( 791750.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 153.55835 AT ( 791750.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 153.30940 AT ( 792000.00, 1988350.00, 10.00, 95.00, 0.00) DC

AG1 1ST HIGHEST VALUE IS 81.02386 AT ( 791850.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 80.75806 AT ( 791900.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 80.44901 AT ( 791900.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 80.34270 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 5TH HIGHEST VALUE IS 80.23884 AT ( 791950.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 79.84957 AT ( 792000.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 79.75941 AT ( 792000.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 79.42271 AT ( 791800.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 79.39242 AT ( 791950.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 79.25338 AT ( 792050.00, 1988350.00, 10.00, 95.00, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

AG2 1ST HIGHEST VALUE IS 75.26366 AT ( 791800.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 75.24335 AT ( 791750.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 75.24335 AT ( 791750.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 75.15052 AT ( 791850.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 5TH HIGHEST VALUE IS 74.86246 AT ( 791900.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 74.55407 AT ( 791800.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 7TH HIGHEST VALUE IS 74.52521 AT ( 791850.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 74.35627 AT ( 791900.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 74.08642 AT ( 791700.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 74.02502 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 1.50755 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 1.43739 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 1.34471 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 1.30824 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.03990 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.01568 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.00404 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.89868 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.71162 AT ( 792850.00, 1988350.00, 73.92, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.64456 AT ( 792800.00, 1988350.00, 73.92, 95.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 7TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 3.87191 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 3.25311 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.20279 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.12422 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 5TH HIGHEST VALUE IS 2.80613 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.25228 AT ( 792700.00, 1988300.00, 71.81, 95.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

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7TH HIGHEST VALUE IS 2.16406 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.16406 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.91819 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.74741 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.00442 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00437 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00303 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00257 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00226 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00207 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00196 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00182 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00175 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00159 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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ALL 1ST HIGHEST VALUE IS 151.70908 AT ( 791850.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 151.66212 AT ( 791900.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 151.30333 AT ( 791800.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 4TH HIGHEST VALUE IS 150.84235 AT ( 791900.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 5TH HIGHEST VALUE IS 150.68522 AT ( 791950.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 6TH HIGHEST VALUE IS 150.65548 AT ( 791500.00, 1988750.00, 13.00, 13.00, 0.00) DC  
 7TH HIGHEST VALUE IS 150.51854 AT ( 791850.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 150.48775 AT ( 791950.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 150.48590 AT ( 791750.00, 1988500.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 150.48590 AT ( 791750.00, 1988500.00, 10.00, 10.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

AG1	1ST HIGHEST VALUE IS	78.41868 AT ( 791900.00, 1988500.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	78.38534 AT ( 791950.00, 1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	78.20957 AT ( 791850.00, 1988500.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	78.02204 AT ( 792000.00, 1988500.00,	10.00,	92.00,	0.00) DC
	5TH HIGHEST VALUE IS	78.02204 AT ( 792000.00, 1988500.00,	10.00,	92.00,	0.00) DC
	6TH HIGHEST VALUE IS	77.91734 AT ( 791750.00, 1988750.00,	13.00,	13.00,	0.00) DC
	7TH HIGHEST VALUE IS	77.87513 AT ( 791950.00, 1988450.00,	10.00,	10.00,	0.00) DC
	8TH HIGHEST VALUE IS	77.78057 AT ( 792000.00, 1988450.00,	10.00,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	77.78043 AT ( 791800.00, 1988500.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	77.71199 AT ( 791900.00, 1988450.00,	10.00,	10.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	73.18446 AT ( 791800.00, 1988500.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	73.17406 AT ( 791850.00, 1988500.00,	10.00,	10.00,	0.00) DC
	3RD HIGHEST VALUE IS	72.98228 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	72.98228 AT ( 791750.00, 1988500.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	72.86876 AT ( 791850.00, 1988450.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	72.80958 AT ( 791900.00, 1988450.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	72.72315 AT ( 791500.00, 1988750.00,	13.00,	13.00,	0.00) DC
	8TH HIGHEST VALUE IS	72.70214 AT ( 791800.00, 1988450.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	72.58662 AT ( 791700.00, 1988500.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	72.39629 AT ( 791900.00, 1988400.00,	10.00,	10.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	1.43144 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	1.35132 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	1.21800 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	1.03056 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.99300 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.97187 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.97106 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.82298 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.64478 AT ( 792850.00, 1988350.00,	73.92,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.62351 AT ( 792800.00, 1988350.00,	73.92,	95.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
 06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

-----  
 CC2 1ST HIGHEST VALUE IS 3.33053 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 3.13091 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.06144 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 4TH HIGHEST VALUE IS 2.88798 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.68906 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.22041 AT ( 792700.00, 1988300.00, 71.81, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.05921 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.05921 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.91146 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.73346 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.00349 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00345 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00300 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00224 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00207 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00207 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00190 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00177 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00151 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00143 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
 06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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ALL	1ST HIGHEST VALUE IS	146.88032 AT ( 791250.00, 1989000.00,	13.00,	13.00,	0.00) DC
	2ND HIGHEST VALUE IS	145.76952 AT ( 791850.00, 1988350.00,	8.86,	8.86,	0.00) DC
	3RD HIGHEST VALUE IS	145.14979 AT ( 792000.00, 1988300.00,	9.86,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	145.11511 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	145.03143 AT ( 791750.00, 1988400.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	144.37325 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	144.11492 AT ( 791950.00, 1988300.00,	7.00,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	143.99451 AT ( 791800.00, 1988350.00,	8.86,	8.86,	0.00) DC
	9TH HIGHEST VALUE IS	143.92821 AT ( 792050.00, 1988450.00,	10.00,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	143.82337 AT ( 792100.00, 1988400.00,	10.00,	95.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	75.78414 AT ( 791950.00, 1988350.00,	10.00,	10.00,	0.00) DC
	2ND HIGHEST VALUE IS	75.50299 AT ( 791500.00, 1989000.00,	13.00,	13.00,	0.00) DC
	3RD HIGHEST VALUE IS	75.43248 AT ( 791850.00, 1988400.00,	10.00,	10.00,	0.00) DC
	4TH HIGHEST VALUE IS	75.28341 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
	5TH HIGHEST VALUE IS	75.22707 AT ( 791250.00, 1989000.00,	13.00,	13.00,	0.00) DC
	6TH HIGHEST VALUE IS	75.03298 AT ( 792000.00, 1988350.00,	10.00,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	74.96867 AT ( 792050.00, 1988300.00,	9.91,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	74.94663 AT ( 791800.00, 1988400.00,	10.00,	10.00,	0.00) DC
	9TH HIGHEST VALUE IS	74.91690 AT ( 791900.00, 1988400.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	74.79591 AT ( 791750.00, 1988450.00,	10.00,	10.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	70.72931 AT ( 791250.00, 1989000.00,	13.00,	13.00,	0.00) DC
	2ND HIGHEST VALUE IS	69.78613 AT ( 791750.00, 1988350.00,	8.86,	8.86,	0.00) DC
	3RD HIGHEST VALUE IS	69.60272 AT ( 791900.00, 1988300.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	69.55949 AT ( 791800.00, 1988350.00,	8.86,	8.86,	0.00) DC
	5TH HIGHEST VALUE IS	69.52546 AT ( 791850.00, 1988300.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	69.47303 AT ( 792050.00, 1988400.00,	10.00,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	69.43086 AT ( 792000.00, 1988450.00,	10.00,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	69.38317 AT ( 792100.00, 1988350.00,	10.00,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	69.27466 AT ( 791950.00, 1988500.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	69.18241 AT ( 792000.00, 1988250.00,	7.00,	95.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	1.32690 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	1.28036 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	3RD HIGHEST VALUE IS	1.20765 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.96182 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.94754 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.81157 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.72136 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.69899 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.62248 AT ( 792850.00, 1988350.00,	73.92,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.54362 AT ( 792800.00, 1988350.00,	73.92,	95.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 2.92263 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 2ND HIGHEST VALUE IS 2.82943 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 2.81783 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.69306 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 5TH HIGHEST VALUE IS 2.38479 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.16670 AT ( 792700.00, 1988300.00, 71.81, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.87243 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.73190 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.67018 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.53430 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.00318 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.00291 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.00272 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 0.00218 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.00204 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.00192 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.00153 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.00151 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.00140 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.00131 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2013 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* Met Data 2013 \*\*\* 08:15:28

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)  
A Total of 4 Warning Message(s)  
A Total of 460 Informational Message(s)  
  
A Total of 8760 Hours Were Processed  
  
A Total of 393 Calm Hours Identified  
  
A Total of 67 Missing Hours Identified ( 0.76 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

SO W320	19	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	22	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	25	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	28	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Aguirre 2014**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2014 \*\*\* 08:55:36

PAGE 1

\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO2

\*\*Note that special processing requirements apply for the 1-hour SO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 3446 Receptor(s)

with: 5 POINT(s), including



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 220.9 MB of RAM.

\*\*Input Runstream File: GuayamaSO2newmet2014\_2014\_SO2.DTA

\*\*Output Print File: GuayamaSO2newmet2014\_2014\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
DocumentsINFORMES\SO2Designation2016withactualemi2013to2015\SalinasGu

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*

(1=YES; 0=NO)

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Surface file: JOB14.sfc Met Version: 15181  
Profile file: JOB14.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2014 Year: 2014

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

```

-----
14 01 01 1 01 -1.1 0.037 -9.000 -9.000 -999. 17. 4.2 0.38 0.62 1.00 0.60 349. 10.0 295.8 2.0
14 01 01 1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.28 0.41 1.00 0.00 0. 10.0 295.4 2.0
14 01 01 1 03 -0.5 0.024 -9.000 -9.000 -999. 9. 2.8 0.38 0.62 1.00 0.40 34. 10.0 295.6 2.0
14 01 01 1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.28 0.41 1.00 0.00 0. 10.0 294.8 2.0
14 01 01 1 05 -0.5 0.024 -9.000 -9.000 -999. 9. 2.8 0.38 0.62 1.00 0.40 17. 10.0 294.6 2.0
14 01 01 1 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.28 0.41 1.00 0.00 0. 10.0 294.8 2.0

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Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

14 01 01	1 07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.28	0.41	1.00	0.00	0.	10.0	295.2	2.0
14 01 01	1 08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.28	0.41	0.46	0.00	0.	10.0	296.5	2.0
14 01 01	1 09	20.7	0.081	0.393	0.005	105.	55.	-2.3	0.01	0.18	0.21	1.00	123.	10.0	299.9	2.0
14 01 01	1 10	41.5	0.155	0.706	0.005	306.	146.	-8.1	0.01	0.18	0.15	2.20	98.	10.0	301.8	2.0
14 01 01	1 11	56.8	0.213	0.920	0.005	496.	236.	-15.4	0.01	0.18	0.13	3.20	109.	10.0	302.4	2.0
14 01 01	1 12	66.0	0.188	1.058	0.005	650.	196.	-9.1	0.01	0.18	0.13	2.70	144.	10.0	302.4	2.0
14 01 01	1 13	69.0	0.189	1.141	0.005	779.	197.	-8.8	0.01	0.18	0.12	2.70	125.	10.0	302.5	2.0
14 01 01	1 14	65.7	0.280	1.163	0.005	865.	356.	-30.3	0.01	0.18	0.13	4.40	116.	10.0	302.5	2.0
14 01 01	1 15	56.1	0.218	1.128	0.005	923.	246.	-16.8	0.01	0.18	0.13	3.30	126.	10.0	302.4	2.0
14 01 01	1 16	40.5	0.182	1.026	0.005	963.	186.	-13.4	0.01	0.18	0.15	2.70	136.	10.0	302.0	2.0
14 01 01	1 17	19.7	0.153	0.812	0.005	981.	143.	-16.3	0.01	0.18	0.22	2.30	124.	10.0	301.4	2.0
14 01 01	1 18	-0.6	0.029	-9.000	-9.000	-999.	42.	3.8	0.01	0.18	0.46	1.00	129.	10.0	300.2	2.0
14 01 01	1 19	-18.7	0.175	-9.000	-9.000	-999.	176.	25.9	0.10	0.18	1.00	2.86	94.	10.0	299.1	2.0
14 01 01	1 20	-1.0	0.037	-9.000	-9.000	-999.	52.	4.3	0.38	0.62	1.00	0.60	54.	10.0	298.0	2.0
14 01 01	1 21	-5.1	0.086	-9.000	-9.000	-999.	60.	11.2	0.38	0.62	1.00	1.40	56.	10.0	297.4	2.0
14 01 01	1 22	-1.2	0.035	-9.000	-9.000	-999.	16.	3.1	0.01	0.18	1.00	1.20	84.	10.0	297.4	2.0
14 01 01	1 23	-3.1	0.067	-9.000	-9.000	-999.	42.	8.8	0.38	0.62	1.00	1.10	40.	10.0	297.1	2.0
14 01 01	1 24	-1.4	0.043	-9.000	-9.000	-999.	21.	5.0	0.38	0.62	1.00	0.70	16.	10.0	296.5	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
14	01	01	01	2.0	0	-999.	-99.00	295.8	99.0	-99.00	-99.00
14	01	01	01	10.0	1	349.	0.60	-999.0	99.0	-99.00	-99.00

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36  
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 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

ALL 1ST HIGHEST VALUE IS 181.25005 AT ( 792000.00, 1986700.00, 0.00, 0.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	181.09432 AT ( 792050.00, 1986750.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	181.09105 AT ( 791950.00, 1986700.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	181.07783 AT ( 792050.00, 1986700.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	181.07549 AT ( 792000.00, 1986750.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	181.07549 AT ( 792000.00, 1986750.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	180.90862 AT ( 792100.00, 1986800.00,	2.87,	2.87,	0.00) DC
	8TH HIGHEST VALUE IS	180.75621 AT ( 792100.00, 1986750.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	180.74582 AT ( 791950.00, 1986750.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	180.64295 AT ( 791900.00, 1986700.00,	0.00,	0.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	66.03374 AT ( 792100.00, 1986800.00,	2.87,	2.87,	0.00) DC
	2ND HIGHEST VALUE IS	65.89830 AT ( 792150.00, 1986800.00,	2.87,	2.87,	0.00) DC
	3RD HIGHEST VALUE IS	65.73436 AT ( 792050.00, 1986800.00,	0.94,	3.00,	0.00) DC
	4TH HIGHEST VALUE IS	65.71430 AT ( 792050.00, 1986750.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	65.67629 AT ( 792000.00, 1986750.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	65.67629 AT ( 792000.00, 1986750.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	65.62855 AT ( 792100.00, 1986750.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	65.60987 AT ( 792200.00, 1986800.00,	2.87,	2.87,	0.00) DC
	9TH HIGHEST VALUE IS	65.53032 AT ( 791950.00, 1986750.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	65.50701 AT ( 792100.00, 1986850.00,	3.00,	3.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	115.16836 AT ( 792000.00, 1986700.00,	0.00,	0.00,	0.00) DC
	2ND HIGHEST VALUE IS	115.06665 AT ( 791950.00, 1986700.00,	0.00,	0.00,	0.00) DC
	3RD HIGHEST VALUE IS	115.05711 AT ( 792050.00, 1986700.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	114.79428 AT ( 791950.00, 1986650.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	114.78722 AT ( 792000.00, 1986750.00,	0.00,	0.00,	0.00) DC
	6TH HIGHEST VALUE IS	114.78722 AT ( 792000.00, 1986750.00,	0.00,	0.00,	0.00) DC
	7TH HIGHEST VALUE IS	114.78445 AT ( 792050.00, 1986750.00,	0.00,	0.00,	0.00) DC
	8TH HIGHEST VALUE IS	114.77936 AT ( 791900.00, 1986700.00,	0.00,	0.00,	0.00) DC
	9TH HIGHEST VALUE IS	114.75817 AT ( 792000.00, 1986650.00,	0.00,	0.00,	0.00) DC
	10TH HIGHEST VALUE IS	114.70187 AT ( 792100.00, 1986700.00,	0.00,	0.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	4.79800 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	4.62169 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	3RD HIGHEST VALUE IS	4.57926 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	4.17950 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	4.04286 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	3.95608 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	3.89183 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	3.61582 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	3.24344 AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00) DC
	10TH HIGHEST VALUE IS	2.91753 AT ( 793100.00, 1988450.00,	78.79,	85.00,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2	1ST HIGHEST VALUE IS	7.72322 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC
	2ND HIGHEST VALUE IS	7.62279 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC
	3RD HIGHEST VALUE IS	7.37520 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	6.95952 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	6.91930 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	6.81286 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	6.65345 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC
	8TH HIGHEST VALUE IS	6.26709 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	5.07819 AT ( 792950.00, 1988200.00, 72.78, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	4.47337 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

AGGT	1ST HIGHEST VALUE IS	0.07235 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC
	2ND HIGHEST VALUE IS	0.06241 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC
	3RD HIGHEST VALUE IS	0.05795 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.05037 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.04710 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.04353 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.04258 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.04075 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.03285 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.03208 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2 IN MICROGRAMS/M**3			**		
GROUP ID	AVERAGE CONC	NETWORK					
GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE					
-----							
ALL	1ST HIGHEST VALUE IS	167.81326	AT ( 791600.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	167.59314	AT ( 791650.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	167.06610	AT ( 791700.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	167.01720	AT ( 791550.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	166.19833	AT ( 791750.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	165.97974	AT ( 791500.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	165.17852	AT ( 791700.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	165.07195	AT ( 791750.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	165.03850	AT ( 791650.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	165.01978	AT ( 790750.00, 1988000.00,	7.00,	7.00,	0.00)	DC
AG1	1ST HIGHEST VALUE IS	60.55618	AT ( 791650.00, 1986500.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	60.54858	AT ( 791600.00, 1986500.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	60.46187	AT ( 791700.00, 1986500.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	60.45823	AT ( 790750.00, 1988000.00,	7.00,	7.00,	0.00)	DC
	5TH HIGHEST VALUE IS	60.42657	AT ( 791550.00, 1986500.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	60.25395	AT ( 791750.00, 1986500.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	60.25395	AT ( 791750.00, 1986500.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	60.11161	AT ( 791750.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	60.06844	AT ( 791700.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	60.06472	AT ( 791800.00, 1986450.00,	0.00,	0.00,	0.00)	DC
AG2	1ST HIGHEST VALUE IS	105.79744	AT ( 791700.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	2ND HIGHEST VALUE IS	105.76158	AT ( 791750.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	3RD HIGHEST VALUE IS	105.74176	AT ( 791600.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	4TH HIGHEST VALUE IS	105.68735	AT ( 791550.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	5TH HIGHEST VALUE IS	105.67830	AT ( 791650.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	6TH HIGHEST VALUE IS	105.62117	AT ( 791650.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	7TH HIGHEST VALUE IS	105.47673	AT ( 791500.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	8TH HIGHEST VALUE IS	105.41785	AT ( 791600.00, 1986400.00,	0.00,	0.00,	0.00)	DC
	9TH HIGHEST VALUE IS	105.30516	AT ( 791700.00, 1986450.00,	0.00,	0.00,	0.00)	DC
	10TH HIGHEST VALUE IS	105.01560	AT ( 791550.00, 1986400.00,	0.00,	0.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

CC1 1ST HIGHEST VALUE IS 4.45352 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 4.12708 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 3.81125 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.79346 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 3.62149 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 3.32475 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.05933 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.88965 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.28409 AT ( 792950.00, 1988200.00, 72.78, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.16741 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 6.46446 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 2ND HIGHEST VALUE IS 5.59286 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 5.54624 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 4TH HIGHEST VALUE IS 5.50633 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 5.19421 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 4.95310 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.83754 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.86636 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.70774 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.70774 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.05049 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.04199 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 0.04064 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.03840 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.03563 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.03348 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.02919 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.02853 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.02565 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.02523 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 159.44505 AT ( 790750.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 157.60747 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 155.18379 AT ( 790500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 154.96881 AT ( 790250.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 154.39934 AT ( 790000.00, 1988000.00, 9.86, 9.86, 0.00) DC  
 6TH HIGHEST VALUE IS 153.15294 AT ( 790500.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 151.40948 AT ( 791650.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 151.32042 AT ( 791700.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 151.10829 AT ( 791250.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 150.80103 AT ( 791750.00, 1987750.00, 6.50, 6.50, 0.00) DC

AG1 1ST HIGHEST VALUE IS 57.58690 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 56.61365 AT ( 790250.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 56.56002 AT ( 790750.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 56.45198 AT ( 790500.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 55.58779 AT ( 791250.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 55.55175 AT ( 790000.00, 1988000.00, 9.86, 9.86, 0.00) DC  
 7TH HIGHEST VALUE IS 55.06815 AT ( 790750.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 55.02923 AT ( 791900.00, 1987700.00, 6.88, 6.88, 0.00) DC  
 9TH HIGHEST VALUE IS 54.94724 AT ( 791800.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 54.86183 AT ( 791950.00, 1987700.00, 7.00, 7.00, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

AG2 1ST HIGHEST VALUE IS 101.19910 AT ( 790750.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 99.87828 AT ( 790500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 99.50738 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 98.09431 AT ( 790000.00, 1988000.00, 9.86, 9.86, 0.00) DC  
 5TH HIGHEST VALUE IS 97.79128 AT ( 790250.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 96.55001 AT ( 791700.00, 1987700.00, 6.82, 6.82, 0.00) DC  
 7TH HIGHEST VALUE IS 96.19628 AT ( 790500.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 95.87981 AT ( 791600.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 95.86025 AT ( 791650.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 95.67709 AT ( 791700.00, 1987750.00, 7.00, 7.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 4.13346 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 3.78340 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.74128 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 4TH HIGHEST VALUE IS 3.26518 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.97097 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.79040 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.56148 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.01287 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.74626 AT ( 792800.00, 1988350.00, 73.92, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.60631 AT ( 792950.00, 1988200.00, 72.78, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 5.46980 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 5.24002 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 5.18245 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 4TH HIGHEST VALUE IS 4.81119 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 4.33933 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC

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6TH HIGHEST VALUE IS 4.21143 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.61278 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.52434 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.21293 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.21293 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.04011 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.03860 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.03627 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 0.03606 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.03220 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.02848 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.02516 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.02372 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.02280 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.02140 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 149.68354 AT ( 791500.00, 1987800.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 149.58842 AT ( 790750.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 149.09184 AT ( 791700.00, 1987700.00, 6.82, 6.82, 0.00) DC  
 4TH HIGHEST VALUE IS 149.05016 AT ( 791600.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 148.95944 AT ( 791650.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 148.59829 AT ( 791700.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 148.57318 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 148.54284 AT ( 791550.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 148.52825 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 148.52825 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

AG1 1ST HIGHEST VALUE IS 54.22540 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 54.13751 AT ( 791700.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 54.09987 AT ( 791500.00, 1987850.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 54.02412 AT ( 790750.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 54.02217 AT ( 791650.00, 1987800.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 54.01506 AT ( 791600.00, 1987800.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 54.00583 AT ( 791750.00, 1987750.00, 6.50, 6.50, 0.00) DC  
 8TH HIGHEST VALUE IS 54.00583 AT ( 791750.00, 1987750.00, 6.50, 6.50, 0.00) DC  
 9TH HIGHEST VALUE IS 53.96672 AT ( 791500.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 53.93601 AT ( 791700.00, 1987800.00, 7.00, 7.00, 0.00) DC

AG2 1ST HIGHEST VALUE IS 95.04557 AT ( 790750.00, 1987750.00, 5.49, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 94.84683 AT ( 791650.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 94.65646 AT ( 791700.00, 1987700.00, 6.82, 6.82, 0.00) DC  
 4TH HIGHEST VALUE IS 94.63829 AT ( 790500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 94.57812 AT ( 791550.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 94.55773 AT ( 791600.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 94.44986 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 94.44986 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 94.37186 AT ( 791650.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 94.34408 AT ( 791500.00, 1987700.00, 7.00, 7.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 3.61590 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 3.55922 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 3.30521 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 2.28917 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.95956 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.81384 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.66871 AT ( 792800.00, 1988350.00, 73.92, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.54431 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.54111 AT ( 792850.00, 1988350.00, 73.92, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.28009 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE		
CC2	1ST HIGHEST VALUE IS	5.16273	AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00)	DC
	2ND HIGHEST VALUE IS	4.66798	AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00)	DC
	3RD HIGHEST VALUE IS	4.65230	AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00)	DC
	4TH HIGHEST VALUE IS	3.19369	AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	2.91897	AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	2.69460	AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00)	DC
	7TH HIGHEST VALUE IS	2.67621	AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00)	DC
	8TH HIGHEST VALUE IS	2.43651	AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00)	DC
	9TH HIGHEST VALUE IS	2.43033	AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00)	DC
	10TH HIGHEST VALUE IS	2.28603	AT (	792700.00,	1988300.00,	71.81,	95.00,	0.00)	DC

AGGT	1ST HIGHEST VALUE IS	0.03610	AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00)	DC
	2ND HIGHEST VALUE IS	0.03429	AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00)	DC
	3RD HIGHEST VALUE IS	0.03333	AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.02802	AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.02706	AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.02614	AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.02292	AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.02241	AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.02025	AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.01623	AT (	792750.00,	1988250.00,	72.17,	95.00,	0.00)	DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

ALL	1ST HIGHEST VALUE IS	148.27176	AT (	791500.00,	1987800.00,	7.00,	7.00,	0.00)	DC
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Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	147.96613 AT ( 791550.00, 1987750.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	147.25423 AT ( 791550.00, 1987650.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	147.18121 AT ( 791500.00, 1987850.00,	7.00,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	146.86094 AT ( 791550.00, 1987800.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	146.54868 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	145.66848 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	145.66848 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	145.56875 AT ( 791550.00, 1987700.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	145.47730 AT ( 791500.00, 1987650.00,	4.15,	7.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	53.72916 AT ( 791550.00, 1987850.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	53.66681 AT ( 791500.00, 1987850.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	53.44776 AT ( 791550.00, 1987800.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	53.39724 AT ( 791600.00, 1987700.00,	7.00,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	53.37008 AT ( 791600.00, 1987800.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	53.34573 AT ( 791550.00, 1987700.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	53.27948 AT ( 791500.00, 1987900.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	53.13816 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	53.13816 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	53.00631 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	94.15585 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	94.15585 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	94.00175 AT ( 791500.00, 1987800.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	93.45591 AT ( 791550.00, 1987750.00,	7.00,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	93.44526 AT ( 791550.00, 1987650.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	93.07250 AT ( 791500.00, 1987650.00,	4.15,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	92.67730 AT ( 791550.00, 1987700.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	92.30415 AT ( 791250.00, 1987750.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	92.22257 AT ( 791500.00, 1987850.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	92.14143 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	2.69809 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	2.34466 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	2.09420 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	1.88971 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.87414 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.55248 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.43853 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	1.23238 AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00) DC
	9TH HIGHEST VALUE IS	1.20218 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	1.04063 AT ( 793150.00, 1988400.00,	80.68,	89.00,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
CC2	1ST HIGHEST VALUE IS 3.79624 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00)	DC	
	2ND HIGHEST VALUE IS 3.78518 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00)	DC	
	3RD HIGHEST VALUE IS 3.16988 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 2.79881 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 2.68622 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 2.46773 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 2.36997 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 2.32104 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 2.24027 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 1.83126 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00)	DC	
AGGT	1ST HIGHEST VALUE IS 0.03492 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.03397 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.03122 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.02616 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.02612 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.02453 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.02063 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.01978 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00)	DC	
	9TH HIGHEST VALUE IS 0.01569 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00)	DC	
	10TH HIGHEST VALUE IS 0.01535 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00)	DC	

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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 1-Hour SO<sub>2</sub> Designation Modeling Results

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\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO<sub>2</sub> IN MICROGRAMS/M\*\*3 \*\*

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

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ALL 1ST HIGHEST VALUE IS 144.67446 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 144.32096 AT ( 791600.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 144.17576 AT ( 791250.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 143.22503 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 143.22503 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 143.08208 AT ( 791550.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 142.60583 AT ( 791650.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 142.59665 AT ( 791500.00, 1987900.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 142.44806 AT ( 791550.00, 1987850.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 142.29336 AT ( 791500.00, 1987600.00, 3.00, 3.00, 0.00) DC

AG1 1ST HIGHEST VALUE IS 52.58257 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 52.40613 AT ( 791600.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 52.31896 AT ( 791500.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 52.05030 AT ( 791250.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 51.98800 AT ( 791550.00, 1987650.00, 7.00, 7.00, 0.00) DC  
 6TH HIGHEST VALUE IS 51.93822 AT ( 791500.00, 1987800.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 51.89178 AT ( 791650.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 51.82645 AT ( 791500.00, 1987650.00, 4.15, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 51.70177 AT ( 791550.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 51.66144 AT ( 791500.00, 1987600.00, 3.00, 3.00, 0.00) DC

AG2 1ST HIGHEST VALUE IS 92.08249 AT ( 791250.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 91.54763 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 91.38005 AT ( 791550.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 91.18522 AT ( 791500.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 90.62956 AT ( 791600.00, 1987650.00, 6.07, 6.07, 0.00) DC  
 6TH HIGHEST VALUE IS 90.51986 AT ( 791500.00, 1987850.00, 7.00, 7.00, 0.00) DC  
 7TH HIGHEST VALUE IS 90.43958 AT ( 791600.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 90.24066 AT ( 791550.00, 1987800.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 89.73277 AT ( 791500.00, 1987800.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 89.72866 AT ( 791500.00, 1987550.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

CC1 1ST HIGHEST VALUE IS 2.15283 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 1.99106 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 1.84814 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 1.70026 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.60530 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.43781 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.30407 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.21689 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.15243 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.01911 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 3.46102 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 3.38775 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 3.00720 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.60980 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.39734 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.38303 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.36679 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.30622 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.14123 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.82983 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.02833 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.02804 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 0.02765 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.02503 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.02361 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS	0.02117 AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00) DC
7TH HIGHEST VALUE IS	0.01890 AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00) DC
8TH HIGHEST VALUE IS	0.01712 AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00) DC
9TH HIGHEST VALUE IS	0.01538 AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00) DC
10TH HIGHEST VALUE IS	0.01330 AT (	792750.00,	1988250.00,	72.17,	95.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\*    \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2014    \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC    ELEV    NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2    IN MICROGRAMS/M\*\*3    \*\*

NETWORK

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

ALL	1ST HIGHEST VALUE IS	140.37060 AT (	791250.00,	1987750.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	137.47251 AT (	791000.00,	1987750.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	137.33143 AT (	791650.00,	1987750.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	137.26740 AT (	790750.00,	1987750.00,	5.49,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	137.06326 AT (	791700.00,	1987700.00,	6.82,	6.82,	0.00) DC
	6TH HIGHEST VALUE IS	137.05440 AT (	791600.00,	1987750.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	136.95889 AT (	791650.00,	1987700.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	136.88104 AT (	791550.00,	1987800.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	136.75780 AT (	791500.00,	1987800.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	136.71681 AT (	791550.00,	1987750.00,	7.00,	7.00,	0.00) DC

AG1	1ST HIGHEST VALUE IS	51.49258 AT (	791250.00,	1987750.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	50.31562 AT (	791000.00,	1987750.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	50.12921 AT (	790750.00,	1987750.00,	5.49,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	50.12590 AT (	791500.00,	1987650.00,	4.15,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	49.94393 AT (	791500.00,	1987600.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	49.81546 AT (	791550.00,	1987650.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	49.77864 AT (	791650.00,	1987800.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	49.77677 AT (	791700.00,	1987750.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	49.67903 AT (	791750.00,	1987750.00,	6.50,	6.50,	0.00) DC
	10TH HIGHEST VALUE IS	49.67903 AT (	791750.00,	1987750.00,	6.50,	6.50,	0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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AG2 1ST HIGHEST VALUE IS 88.27296 AT ( 791250.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 87.86366 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 87.24237 AT ( 791650.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 87.16450 AT ( 791600.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 87.15382 AT ( 791700.00, 1987700.00, 6.82, 6.82, 0.00) DC  
 6TH HIGHEST VALUE IS 87.10197 AT ( 791250.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 87.05514 AT ( 791600.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 8TH HIGHEST VALUE IS 86.99117 AT ( 791550.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 86.86476 AT ( 791000.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 86.85116 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 1.84509 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 1.79855 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 1.52116 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 1.39737 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 1.32462 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 1.30869 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 1.19966 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 1.19833 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.06697 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.01317 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

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 CC2 1ST HIGHEST VALUE IS 3.42579 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 3.23469 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 2.99360 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.53780 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

5TH HIGHEST VALUE IS 2.30334 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.29873 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.19407 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.17696 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.10027 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.63854 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.02476 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 0.02386 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 0.02293 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.01771 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.01768 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.01747 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.01654 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.01482 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.01241 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.01154 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 137.17964 AT ( 791000.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 135.52107 AT ( 791550.00, 1987700.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 135.30227 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 4TH HIGHEST VALUE IS 135.30227 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 5TH HIGHEST VALUE IS 135.19554 AT ( 791500.00, 1987550.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 135.11687 AT ( 791000.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 134.54033 AT ( 791500.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 134.54033 AT ( 791500.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 134.49696 AT ( 791500.00, 1987600.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	10TH HIGHEST VALUE IS	134.34251 AT ( 791500.00, 1987650.00,	4.15,	7.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	49.89095 AT ( 791250.00, 1987750.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	49.41220 AT ( 791500.00, 1987800.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	49.35826 AT ( 791500.00, 1987650.00,	4.15,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	49.26839 AT ( 791500.00, 1987600.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	49.19888 AT ( 791550.00, 1987650.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	49.12887 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	49.11855 AT ( 791550.00, 1987750.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	49.05614 AT ( 791500.00, 1987550.00,	3.00,	3.00,	0.00) DC
	9TH HIGHEST VALUE IS	49.05487 AT ( 791000.00, 1987750.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	48.92622 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	86.39630 AT ( 791250.00, 1987750.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	86.39170 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	86.10790 AT ( 791000.00, 1987750.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	85.91627 AT ( 791500.00, 1987500.00,	3.00,	3.00,	0.00) DC
	5TH HIGHEST VALUE IS	85.91627 AT ( 791500.00, 1987500.00,	3.00,	3.00,	0.00) DC
	6TH HIGHEST VALUE IS	85.67107 AT ( 791500.00, 1987900.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	85.47523 AT ( 791250.00, 1987500.00,	3.00,	3.00,	0.00) DC
	8TH HIGHEST VALUE IS	85.33408 AT ( 791550.00, 1987900.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	85.15703 AT ( 791500.00, 1987550.00,	3.00,	3.00,	0.00) DC
	10TH HIGHEST VALUE IS	84.99853 AT ( 791500.00, 1987600.00,	3.00,	3.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	1.79891 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	2ND HIGHEST VALUE IS	1.78738 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	3RD HIGHEST VALUE IS	1.48895 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	1.36345 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	1.30063 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	1.21147 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	1.19465 AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00) DC
	8TH HIGHEST VALUE IS	1.17104 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	1.05286 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.99511 AT ( 793150.00, 1988400.00,	80.68,	89.00,	0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

-----  
 CC2 1ST HIGHEST VALUE IS 3.23196 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 3.21931 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 2.82967 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 2.52480 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 2.30248 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.25606 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 2.16991 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.06164 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 1.99484 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 1.59680 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.02293 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.02119 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 0.01747 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.01720 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.01708 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.01610 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.01522 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.01447 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.01189 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.01105 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2014 \*\*\*  
 06/06/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2014 \*\*\* 08:55:36

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

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A Total of 0 Fatal Error Message(s)  
A Total of 4 Warning Message(s)  
A Total of 925 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 710 Calm Hours Identified

A Total of 215 Missing Hours Identified ( 2.45 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

SO W320	19	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	22	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	25	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	28	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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**PREPA Aguirre 2015**

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses RURAL Dispersion Only.

\*\*Model Uses Regulatory DEFAULT Options:

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

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: SO2

\*\*Note that special processing requirements apply for the 1-hour SO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

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

\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 3124 Receptor(s)

with: 5 POINT(s), including

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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0 POINTCAP(s) and 0 POINTHOR(s)  
and: 0 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: 15181

\*\*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)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Day (MAXDAILY Keyword)  
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR Keyword)  
Model Outputs External File(s) of Contributions to Maximum Daily Values Paired in Time & Space  
(MAXDCONT 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) = 10.00 ; 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 = 220.5 MB of RAM.

\*\*Input Runstream File: GuayamaSO2newmet2015\_2015\_SO2.DTA

\*\*Output Print File: GuayamaSO2newmet2015\_2015\_SO2.LST

\*\*File for Summary of Results: C:\Documents Elianeth\D\My  
DocumentsINFORMES\SO2Designation2016withactualemi2013to2015\SalinasGu

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*

(1=YES; 0=NO)



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

Surface file: JOB15.sfc Met Version: 15181  
Profile file: JOB15.PFL  
Surface format: FREE  
Profile format: FREE  
Surface station no.: 11641 Upper air station no.: 11641  
Name: UNKNOWN Name: UNKNOWN  
Year: 2015 Year: 2015

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

-----  
15 01 01 1 01 -0.2 0.014 -9.000 -9.000 -999. 507. 1.6 0.01 0.18 1.00 0.50 72. 10.0 296.9 2.0  
15 01 01 1 02 -29.4 0.360 -9.000 -9.000 -999. 519. 144.5 0.48 0.18 1.00 3.05 128. 10.0 296.6 2.0  
15 01 01 1 03 -32.7 0.317 -9.000 -9.000 -999. 429. 88.3 0.10 0.18 1.00 4.10 92. 10.0 296.4 2.0  
15 01 01 1 04 -0.4 0.023 -9.000 -9.000 -999. 294. 2.6 0.01 0.18 1.00 0.80 87. 10.0 296.5 2.0  
15 01 01 1 05 -1.2 0.032 -9.000 -9.000 -999. 142. 2.5 0.01 0.18 1.00 1.10 79. 10.0 297.1 2.0  
15 01 01 1 06 -4.2 0.061 -9.000 -9.000 -999. 41. 4.9 0.01 0.18 1.00 2.10 67. 10.0 297.2 2.0

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

15	01	01	1	07	-3.5	0.067	-9.000	-9.000	-999.	42.	7.8	0.38	0.62	1.00	1.10	57.	10.0	297.4	2.0
15	01	01	1	08	0.2	0.105	0.043	0.005	17.	82.	-635.3	0.01	0.18	0.44	1.80	96.	10.0	297.9	2.0
15	01	01	1	09	20.7	0.164	0.498	0.005	217.	159.	-19.3	0.01	0.18	0.21	2.50	114.	10.0	299.8	2.0
15	01	01	1	10	34.1	0.142	0.730	0.005	415.	128.	-7.6	0.01	0.18	0.15	2.00	118.	10.0	300.8	2.0
15	01	01	1	11	45.7	0.122	0.901	0.005	581.	103.	-3.6	0.01	0.18	0.13	1.60	99.	10.0	299.4	2.0
15	01	01	1	12	53.4	0.163	1.025	0.005	733.	158.	-7.4	0.01	0.18	0.13	2.30	96.	10.0	301.4	2.0
15	01	01	1	13	68.8	0.210	1.180	0.005	867.	231.	-12.2	0.01	0.18	0.12	3.10	106.	10.0	301.6	2.0
15	01	01	1	14	53.3	0.250	1.108	0.005	926.	300.	-26.7	0.01	0.18	0.13	3.90	132.	10.0	302.1	2.0
15	01	01	1	15	56.0	0.240	1.150	0.005	985.	282.	-22.4	0.01	0.18	0.13	3.70	126.	10.0	301.9	2.0
15	01	01	1	16	40.4	0.214	1.045	0.005	1024.	238.	-22.1	0.01	0.18	0.15	3.30	106.	10.0	301.6	2.0
15	01	01	1	17	19.5	0.163	0.825	0.005	1042.	159.	-20.2	0.01	0.18	0.22	2.50	123.	10.0	300.4	2.0
15	01	01	1	18	-1.3	0.043	-9.000	-9.000	-999.	41.	5.5	0.01	0.18	0.46	1.50	134.	10.0	299.4	2.0
15	01	01	1	19	-1.6	0.038	-9.000	-9.000	-999.	18.	3.0	0.01	0.18	1.00	1.30	107.	10.0	298.6	2.0
15	01	01	1	20	-0.7	0.029	-9.000	-9.000	-999.	12.	3.2	0.01	0.18	1.00	1.00	93.	10.0	298.0	2.0
15	01	01	1	21	-0.3	0.017	-9.000	-9.000	-999.	5.	1.4	0.01	0.18	1.00	0.60	108.	10.0	298.0	2.0
15	01	01	1	22	-1.1	0.032	-9.000	-9.000	-999.	14.	2.7	0.01	0.18	1.00	1.10	116.	10.0	297.1	2.0
15	01	01	1	23	-1.7	0.041	-9.000	-9.000	-999.	20.	3.6	0.01	0.18	1.00	1.40	108.	10.0	296.9	2.0
15	01	01	1	24	-0.5	0.023	-9.000	-9.000	-999.	8.	2.1	0.01	0.18	1.00	0.80	106.	10.0	297.1	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
15	01	01	01	2.0	0	-999.	-99.00	297.0	99.0	-99.00	-99.00
15	01	01	01	10.0	1	72.	0.50	-999.0	99.0	-99.00	-99.00

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

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
 06/13/16  
 \*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16  
 PAGE 4  
 \*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

-----  
 ALL 1ST HIGHEST VALUE IS 197.51412 AT ( 790500.00, 1988750.00, 13.00, 13.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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	2ND HIGHEST VALUE IS	196.45413 AT (	790250.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	3RD HIGHEST VALUE IS	194.76818 AT (	790000.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	4TH HIGHEST VALUE IS	193.87161 AT (	790750.00,	1988750.00,	10.00,	10.00,	0.00)	DC
	5TH HIGHEST VALUE IS	192.55538 AT (	790250.00,	1988750.00,	13.00,	13.00,	0.00)	DC
	6TH HIGHEST VALUE IS	190.42052 AT (	790750.00,	1988500.00,	10.00,	10.00,	0.00)	DC
	7TH HIGHEST VALUE IS	190.38142 AT (	790500.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	8TH HIGHEST VALUE IS	189.89018 AT (	791000.00,	1988500.00,	10.00,	10.00,	0.00)	DC
	9TH HIGHEST VALUE IS	187.22834 AT (	789750.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	10TH HIGHEST VALUE IS	183.84936 AT (	791500.00,	1987300.00,	3.00,	3.00,	0.00)	DC
AG1	1ST HIGHEST VALUE IS	92.15730 AT (	790250.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	2ND HIGHEST VALUE IS	91.86788 AT (	790500.00,	1988750.00,	13.00,	13.00,	0.00)	DC
	3RD HIGHEST VALUE IS	91.37257 AT (	790750.00,	1988750.00,	10.00,	10.00,	0.00)	DC
	4TH HIGHEST VALUE IS	90.47133 AT (	790500.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	5TH HIGHEST VALUE IS	90.37594 AT (	790000.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	6TH HIGHEST VALUE IS	88.57426 AT (	791000.00,	1988500.00,	10.00,	10.00,	0.00)	DC
	7TH HIGHEST VALUE IS	88.50943 AT (	790250.00,	1988750.00,	13.00,	13.00,	0.00)	DC
	8TH HIGHEST VALUE IS	87.43065 AT (	790750.00,	1988500.00,	10.00,	10.00,	0.00)	DC
	9TH HIGHEST VALUE IS	86.18842 AT (	791000.00,	1988750.00,	10.00,	10.00,	0.00)	DC
	10TH HIGHEST VALUE IS	86.08763 AT (	791550.00,	1987350.00,	3.00,	3.00,	0.00)	DC
AG2	1ST HIGHEST VALUE IS	103.91247 AT (	790500.00,	1988750.00,	13.00,	13.00,	0.00)	DC
	2ND HIGHEST VALUE IS	102.70089 AT (	790250.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	3RD HIGHEST VALUE IS	102.65259 AT (	790000.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	4TH HIGHEST VALUE IS	102.17772 AT (	790250.00,	1988750.00,	13.00,	13.00,	0.00)	DC
	5TH HIGHEST VALUE IS	101.12687 AT (	790750.00,	1988500.00,	10.00,	10.00,	0.00)	DC
	6TH HIGHEST VALUE IS	100.99381 AT (	790750.00,	1988750.00,	10.00,	10.00,	0.00)	DC
	7TH HIGHEST VALUE IS	99.68721 AT (	791000.00,	1988500.00,	10.00,	10.00,	0.00)	DC
	8TH HIGHEST VALUE IS	99.33797 AT (	789750.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	9TH HIGHEST VALUE IS	98.52964 AT (	790500.00,	1989000.00,	13.00,	13.00,	0.00)	DC
	10TH HIGHEST VALUE IS	97.63933 AT (	790500.00,	1988500.00,	10.00,	10.00,	0.00)	DC
CC1	1ST HIGHEST VALUE IS	12.82545 AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00)	DC
	2ND HIGHEST VALUE IS	12.33866 AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00)	DC
	3RD HIGHEST VALUE IS	12.08124 AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00)	DC
	4TH HIGHEST VALUE IS	11.16944 AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	10.30685 AT (	793150.00,	1988400.00,	80.68,	89.00,	0.00)	DC
	6TH HIGHEST VALUE IS	9.85420 AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00)	DC
	7TH HIGHEST VALUE IS	9.70494 AT (	793100.00,	1988450.00,	78.79,	85.00,	0.00)	DC
	8TH HIGHEST VALUE IS	9.47657 AT (	793250.00,	1988350.00,	80.33,	89.00,	0.00)	DC
	9TH HIGHEST VALUE IS	9.22915 AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00)	DC
	10TH HIGHEST VALUE IS	8.49414 AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00)	DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
 06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2	1ST HIGHEST VALUE IS	9.02854 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC
	2ND HIGHEST VALUE IS	8.71124 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC
	3RD HIGHEST VALUE IS	7.88587 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC
	4TH HIGHEST VALUE IS	7.42009 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC
	5TH HIGHEST VALUE IS	7.07238 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC
	6TH HIGHEST VALUE IS	6.55727 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	6.23299 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	6.21456 AT ( 793100.00, 1988450.00, 78.79, 85.00, 0.00) DC
	9TH HIGHEST VALUE IS	6.01400 AT ( 793250.00, 1988400.00, 76.30, 89.00, 0.00) DC
	10TH HIGHEST VALUE IS	5.89029 AT ( 792950.00, 1988200.00, 72.78, 95.00, 0.00) DC

AGGT	1ST HIGHEST VALUE IS	0.36652 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC
	2ND HIGHEST VALUE IS	0.31176 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC
	3RD HIGHEST VALUE IS	0.28473 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.26391 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.23537 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.23204 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.22800 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.21233 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.17827 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.13972 AT ( 793250.00, 1988400.00, 76.30, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
 06/13/16

\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

		** CONC OF SO2	IN MICROGRAMS/M**3			**
GROUP ID	AVERAGE CONC	NETWORK				
GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE				
-----						
ALL	1ST HIGHEST VALUE IS	180.71952	AT (	791500.00,	1987300.00,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	180.52770	AT (	791550.00,	1987300.00,	3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	180.21152	AT (	791500.00,	1987250.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	180.21152	AT (	791500.00,	1987250.00,	3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	180.14222	AT (	791550.00,	1987250.00,	3.00, 3.00, 0.00) DC
	6TH HIGHEST VALUE IS	180.13685	AT (	791600.00,	1987300.00,	3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	179.99976	AT (	791500.00,	1987350.00,	3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	179.88330	AT (	791600.00,	1987250.00,	3.00, 3.00, 0.00) DC
	9TH HIGHEST VALUE IS	179.64001	AT (	791550.00,	1987350.00,	3.00, 3.00, 0.00) DC
	10TH HIGHEST VALUE IS	179.52483	AT (	791650.00,	1987300.00,	3.00, 3.00, 0.00) DC
AG1	1ST HIGHEST VALUE IS	84.54016	AT (	791500.00,	1987350.00,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	84.48678	AT (	791550.00,	1987350.00,	3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	84.45774	AT (	791550.00,	1987300.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	84.44873	AT (	791500.00,	1987300.00,	3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	84.38252	AT (	791600.00,	1987300.00,	3.00, 3.00, 0.00) DC
	6TH HIGHEST VALUE IS	84.34451	AT (	791600.00,	1987350.00,	3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	84.21339	AT (	791650.00,	1987300.00,	3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	84.10350	AT (	791650.00,	1987350.00,	3.00, 3.00, 0.00) DC
	9TH HIGHEST VALUE IS	84.06889	AT (	791500.00,	1987400.00,	3.00, 3.00, 0.00) DC
	10TH HIGHEST VALUE IS	83.93955	AT (	791700.00,	1987300.00,	3.00, 3.00, 0.00) DC
AG2	1ST HIGHEST VALUE IS	95.12253	AT (	791500.00,	1987250.00,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	95.12253	AT (	791500.00,	1987250.00,	3.00, 3.00, 0.00) DC
	3RD HIGHEST VALUE IS	95.03178	AT (	791550.00,	1987250.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	95.02366	AT (	791500.00,	1987300.00,	3.00, 3.00, 0.00) DC
	5TH HIGHEST VALUE IS	94.85254	AT (	791550.00,	1987300.00,	3.00, 3.00, 0.00) DC
	6TH HIGHEST VALUE IS	94.83483	AT (	791600.00,	1987250.00,	3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	94.56964	AT (	791600.00,	1987300.00,	3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	94.51952	AT (	791650.00,	1987250.00,	3.00, 3.00, 0.00) DC
	9TH HIGHEST VALUE IS	94.38333	AT (	791600.00,	1987200.00,	3.00, 3.00, 0.00) DC
	10TH HIGHEST VALUE IS	94.36250	AT (	791550.00,	1987200.00,	2.28, 2.28, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

CC1 1ST HIGHEST VALUE IS 12.05728 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 9.55195 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 9.28677 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 8.82889 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC  
 5TH HIGHEST VALUE IS 8.27310 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 6TH HIGHEST VALUE IS 8.21262 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 7.44963 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 8TH HIGHEST VALUE IS 6.60264 AT ( 793150.00, 1988450.00, 75.48, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 5.82780 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 5.82780 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 2ND-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 8.53868 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 2ND HIGHEST VALUE IS 6.88994 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC  
 3RD HIGHEST VALUE IS 5.97492 AT ( 793250.00, 1988400.00, 76.30, 89.00, 0.00) DC  
 4TH HIGHEST VALUE IS 4.80179 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC  
 5TH HIGHEST VALUE IS 4.60362 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 6TH HIGHEST VALUE IS 4.55910 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.50516 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 8TH HIGHEST VALUE IS 4.46727 AT ( 793200.00, 1988350.00, 71.70, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.99008 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.93810 AT ( 793000.00, 1988200.00, 69.76, 95.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.34876 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 0.28888 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 0.28264 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.23709 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.21397 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 0.20860 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.20446 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.19763 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.12486 AT ( 792850.00, 1988350.00, 73.92, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.11370 AT ( 792950.00, 1988200.00, 72.78, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 163.38309 AT ( 791250.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 162.50944 AT ( 791000.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 160.89763 AT ( 791500.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 160.89763 AT ( 791500.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 160.23741 AT ( 791500.00, 1987300.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 159.84131 AT ( 791550.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 159.53376 AT ( 790750.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 159.52456 AT ( 791000.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 159.21495 AT ( 791500.00, 1987200.00, 0.88, 0.88, 0.00) DC  
 10TH HIGHEST VALUE IS 159.02102 AT ( 791550.00, 1987300.00, 3.00, 3.00, 0.00) DC

AG1 1ST HIGHEST VALUE IS 76.12150 AT ( 791250.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 75.55328 AT ( 791500.00, 1987300.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 75.44226 AT ( 791000.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 75.37025 AT ( 791500.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 75.37025 AT ( 791500.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 75.10531 AT ( 791550.00, 1987300.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 75.10050 AT ( 791500.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 75.07556 AT ( 791500.00, 1987350.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 75.05031 AT ( 791550.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 74.97998 AT ( 791550.00, 1987250.00, 3.00, 3.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

AG2 1ST HIGHEST VALUE IS 86.10131 AT ( 791250.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 85.81454 AT ( 791000.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 84.51124 AT ( 791500.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 4TH HIGHEST VALUE IS 84.51124 AT ( 791500.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 84.49452 AT ( 791250.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 84.40047 AT ( 791000.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 84.35029 AT ( 790750.00, 1987250.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 84.17655 AT ( 791500.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 84.17655 AT ( 791500.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 84.04007 AT ( 791500.00, 1987200.00, 0.88, 0.88, 0.00) DC

CC1 1ST HIGHEST VALUE IS 10.59881 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 9.01890 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 8.25789 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 7.96896 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 7.66832 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 6.80421 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 7TH HIGHEST VALUE IS 5.12440 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 4.96068 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 4.36138 AT ( 792700.00, 1988300.00, 71.81, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 4.34057 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 3RD-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 4.59196 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 2ND HIGHEST VALUE IS 4.48031 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 3RD HIGHEST VALUE IS 3.98701 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.37966 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 3.34125 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC



Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

6TH HIGHEST VALUE IS 3.26071 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.20093 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.03015 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.75223 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.69398 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.27613 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.23631 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 0.22086 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 0.20169 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.18228 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.18103 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.16744 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.16054 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.09692 AT ( 792950.00, 1988200.00, 72.78, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.08887 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

-----  
 ALL 1ST HIGHEST VALUE IS 156.90882 AT ( 791550.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 156.72333 AT ( 791500.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 156.47975 AT ( 791500.00, 1987150.00, 0.00, 0.00, 0.00) DC  
 4TH HIGHEST VALUE IS 156.19302 AT ( 791750.00, 1987550.00, 3.00, 3.00, 0.00) DC  
 5TH HIGHEST VALUE IS 156.16857 AT ( 791600.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 155.72395 AT ( 791550.00, 1987150.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 155.66207 AT ( 791600.00, 1987200.00, 3.00, 3.00, 0.00) DC  
 8TH HIGHEST VALUE IS 155.54711 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 9TH HIGHEST VALUE IS 155.54711 AT ( 791500.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 155.53774 AT ( 791550.00, 1987200.00, 2.28, 2.28, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

AG1 1ST HIGHEST VALUE IS 73.71837 AT ( 791000.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 2ND HIGHEST VALUE IS 73.51809 AT ( 791600.00, 1987200.00, 3.00, 3.00, 0.00) DC  
 3RD HIGHEST VALUE IS 73.37439 AT ( 791550.00, 1987200.00, 2.28, 2.28, 0.00) DC  
 4TH HIGHEST VALUE IS 73.33853 AT ( 791500.00, 1987100.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 73.33275 AT ( 791550.00, 1987100.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 73.15469 AT ( 791650.00, 1987200.00, 3.00, 3.00, 0.00) DC  
 7TH HIGHEST VALUE IS 73.07324 AT ( 791500.00, 1987200.00, 0.88, 0.88, 0.00) DC  
 8TH HIGHEST VALUE IS 72.98788 AT ( 791600.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 9TH HIGHEST VALUE IS 72.97788 AT ( 791650.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 72.92860 AT ( 791550.00, 1987050.00, 0.00, 0.00, 0.00) DC

AG2 1ST HIGHEST VALUE IS 82.31297 AT ( 791550.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 2ND HIGHEST VALUE IS 82.31141 AT ( 791600.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 3RD HIGHEST VALUE IS 82.30614 AT ( 791600.00, 1987150.00, 1.87, 1.87, 0.00) DC  
 4TH HIGHEST VALUE IS 82.23705 AT ( 791500.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 5TH HIGHEST VALUE IS 82.23705 AT ( 791500.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 6TH HIGHEST VALUE IS 82.17028 AT ( 791650.00, 1987000.00, 0.00, 0.00, 0.00) DC  
 7TH HIGHEST VALUE IS 82.09203 AT ( 791500.00, 1987050.00, 0.00, 0.00, 0.00) DC  
 8TH HIGHEST VALUE IS 82.05213 AT ( 791800.00, 1987500.00, 3.00, 3.00, 0.00) DC  
 9TH HIGHEST VALUE IS 82.03698 AT ( 791550.00, 1987150.00, 0.00, 0.00, 0.00) DC  
 10TH HIGHEST VALUE IS 82.01648 AT ( 791500.00, 1987150.00, 0.00, 0.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 9.19795 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 7.72190 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 7.58662 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 7.40854 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 6.58421 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 4.35205 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 4.32046 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 4.32046 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 4.14130 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 3.85617 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 4TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK					RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
CC2	1ST HIGHEST VALUE IS	4.51626	AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00)	DC
	2ND HIGHEST VALUE IS	4.47489	AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00)	DC
	3RD HIGHEST VALUE IS	3.92727	AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00)	DC
	4TH HIGHEST VALUE IS	3.30387	AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	3.20284	AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	3.17407	AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00)	DC
	7TH HIGHEST VALUE IS	3.15837	AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00)	DC
	8TH HIGHEST VALUE IS	3.01508	AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00)	DC
	9TH HIGHEST VALUE IS	2.73935	AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00)	DC
	10TH HIGHEST VALUE IS	2.67772	AT ( 793150.00, 1988400.00,	80.68,	89.00,	0.00)	DC

AGGT	1ST HIGHEST VALUE IS	0.26224	AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00)	DC
	2ND HIGHEST VALUE IS	0.20513	AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00)	DC
	3RD HIGHEST VALUE IS	0.18389	AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00)	DC
	4TH HIGHEST VALUE IS	0.17864	AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00)	DC
	5TH HIGHEST VALUE IS	0.17096	AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00)	DC
	6TH HIGHEST VALUE IS	0.15766	AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00)	DC
	7TH HIGHEST VALUE IS	0.14956	AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00)	DC
	8TH HIGHEST VALUE IS	0.14612	AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00)	DC
	9TH HIGHEST VALUE IS	0.08472	AT ( 792950.00, 1988200.00,	72.78,	95.00,	0.00)	DC
	10TH HIGHEST VALUE IS	0.07822	AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00)	DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

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

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

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ALL	1ST HIGHEST VALUE IS	153.66337 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	153.33319 AT ( 791600.00, 1987650.00,	6.07,	6.07,	0.00) DC
	3RD HIGHEST VALUE IS	153.06811 AT ( 791500.00, 1987100.00,	0.00,	0.00,	0.00) DC
	4TH HIGHEST VALUE IS	153.00529 AT ( 791500.00, 1987650.00,	4.15,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	152.72968 AT ( 791550.00, 1987650.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	152.47331 AT ( 791850.00, 1988050.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	152.36156 AT ( 791900.00, 1988000.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	152.35942 AT ( 791900.00, 1988050.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	152.20257 AT ( 791800.00, 1988050.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	152.14809 AT ( 791550.00, 1987100.00,	0.00,	0.00,	0.00) DC
AG1	1ST HIGHEST VALUE IS	71.95491 AT ( 791600.00, 1987700.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	71.94242 AT ( 791650.00, 1987700.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	71.70705 AT ( 791500.00, 1987700.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	71.44185 AT ( 791500.00, 1987150.00,	0.00,	0.00,	0.00) DC
	5TH HIGHEST VALUE IS	71.43139 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	71.43139 AT ( 791500.00, 1987750.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	71.41700 AT ( 791550.00, 1987650.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	71.41561 AT ( 791950.00, 1988050.00,	7.00,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	71.41538 AT ( 791900.00, 1988050.00,	7.00,	7.00,	0.00) DC
	10TH HIGHEST VALUE IS	71.34677 AT ( 791900.00, 1988100.00,	7.00,	7.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	81.23821 AT ( 791550.00, 1987650.00,	7.00,	7.00,	0.00) DC
	2ND HIGHEST VALUE IS	80.37612 AT ( 791850.00, 1988000.00,	7.00,	7.00,	0.00) DC
	3RD HIGHEST VALUE IS	80.34175 AT ( 791900.00, 1988000.00,	7.00,	7.00,	0.00) DC
	4TH HIGHEST VALUE IS	80.24957 AT ( 791800.00, 1988050.00,	7.00,	7.00,	0.00) DC
	5TH HIGHEST VALUE IS	80.22024 AT ( 791850.00, 1988050.00,	7.00,	7.00,	0.00) DC
	6TH HIGHEST VALUE IS	80.09499 AT ( 791800.00, 1988000.00,	7.00,	7.00,	0.00) DC
	7TH HIGHEST VALUE IS	80.06157 AT ( 791750.00, 1988050.00,	7.00,	7.00,	0.00) DC
	8TH HIGHEST VALUE IS	80.05686 AT ( 791500.00, 1987650.00,	4.15,	7.00,	0.00) DC
	9TH HIGHEST VALUE IS	80.01400 AT ( 791600.00, 1987650.00,	6.07,	6.07,	0.00) DC
	10TH HIGHEST VALUE IS	79.97989 AT ( 791550.00, 1988350.00,	10.00,	10.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	8.25925 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	7.46509 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	7.20173 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	7.08896 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	6.51334 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	4.34089 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	4.13653 AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00) DC
	8TH HIGHEST VALUE IS	3.82917 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	3.52539 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	3.43111 AT ( 792800.00, 1988350.00,	73.92,	95.00,	0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 5TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2	1ST HIGHEST VALUE IS	4.45316 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC
	2ND HIGHEST VALUE IS	4.23077 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC
	3RD HIGHEST VALUE IS	3.70629 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	3.28908 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	3.14580 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	3.14576 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC
	7TH HIGHEST VALUE IS	3.11025 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	3.01295 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	2.73575 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	2.66425 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

AGGT	1ST HIGHEST VALUE IS	0.22794 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC
	2ND HIGHEST VALUE IS	0.18996 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC
	3RD HIGHEST VALUE IS	0.16808 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.15151 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.14643 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.14631 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.11401 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.10119 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.07628 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.06747 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
1-Hour SO<sub>2</sub> Designation Modeling Results

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

		** CONC OF SO2 IN MICROGRAMS/M**3		**	
GROUP ID	AVERAGE CONC	NETWORK			
GRID-ID		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE			
ALL	1ST HIGHEST VALUE IS	152.46106 AT (	791550.00,	1987650.00,	7.00, 7.00, 0.00) DC
	2ND HIGHEST VALUE IS	150.66090 AT (	791950.00,	1988050.00,	7.00, 7.00, 0.00) DC
	3RD HIGHEST VALUE IS	150.26284 AT (	791800.00,	1988150.00,	7.00, 7.00, 0.00) DC
	4TH HIGHEST VALUE IS	150.24461 AT (	791600.00,	1987650.00,	6.07, 6.07, 0.00) DC
	5TH HIGHEST VALUE IS	150.18380 AT (	791500.00,	1987650.00,	4.15, 7.00, 0.00) DC
	6TH HIGHEST VALUE IS	150.16947 AT (	791250.00,	1987500.00,	3.00, 3.00, 0.00) DC
	7TH HIGHEST VALUE IS	149.99504 AT (	792350.00,	1988150.00,	13.00, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	149.92609 AT (	791900.00,	1988100.00,	7.00, 7.00, 0.00) DC
	9TH HIGHEST VALUE IS	149.84666 AT (	791650.00,	1987600.00,	3.00, 3.00, 0.00) DC
	10TH HIGHEST VALUE IS	149.79567 AT (	792150.00,	1988350.00,	10.00, 95.00, 0.00) DC
AG1	1ST HIGHEST VALUE IS	70.83892 AT (	791550.00,	1987700.00,	7.00, 7.00, 0.00) DC
	2ND HIGHEST VALUE IS	70.74864 AT (	791650.00,	1987650.00,	4.15, 7.00, 0.00) DC
	3RD HIGHEST VALUE IS	70.65989 AT (	791250.00,	1987500.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	70.64903 AT (	791500.00,	1987700.00,	7.00, 7.00, 0.00) DC
	5TH HIGHEST VALUE IS	70.53868 AT (	791950.00,	1988100.00,	7.00, 7.00, 0.00) DC
	6TH HIGHEST VALUE IS	70.45470 AT (	791600.00,	1987650.00,	6.07, 6.07, 0.00) DC
	7TH HIGHEST VALUE IS	70.44232 AT (	791700.00,	1987650.00,	3.00, 3.00, 0.00) DC
	8TH HIGHEST VALUE IS	70.37604 AT (	792350.00,	1988200.00,	13.98, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	70.18062 AT (	791800.00,	1988200.00,	7.00, 7.00, 0.00) DC
	10TH HIGHEST VALUE IS	70.13614 AT (	791900.00,	1988150.00,	7.00, 7.00, 0.00) DC
AG2	1ST HIGHEST VALUE IS	79.73852 AT (	791600.00,	1987600.00,	3.00, 3.00, 0.00) DC
	2ND HIGHEST VALUE IS	79.29959 AT (	791900.00,	1988050.00,	7.00, 7.00, 0.00) DC
	3RD HIGHEST VALUE IS	79.08685 AT (	791550.00,	1987600.00,	3.00, 3.00, 0.00) DC
	4TH HIGHEST VALUE IS	79.06129 AT (	791800.00,	1988100.00,	7.00, 7.00, 0.00) DC
	5TH HIGHEST VALUE IS	78.90092 AT (	792200.00,	1988200.00,	10.00, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	78.88824 AT (	792150.00,	1988300.00,	10.00, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	78.87526 AT (	791950.00,	1988000.00,	7.00, 7.00, 0.00) DC
	8TH HIGHEST VALUE IS	78.86024 AT (	792350.00,	1988100.00,	13.00, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	78.81068 AT (	792300.00,	1988150.00,	10.00, 95.00, 0.00) DC
	10TH HIGHEST VALUE IS	78.66459 AT (	791750.00,	1988150.00,	7.00, 7.00, 0.00) DC
CC1	1ST HIGHEST VALUE IS	8.12564 AT (	792800.00,	1988300.00,	92.04, 92.04, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

2ND HIGHEST VALUE IS	6.45893 AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00) DC
3RD HIGHEST VALUE IS	6.42450 AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00) DC
4TH HIGHEST VALUE IS	6.08291 AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00) DC
5TH HIGHEST VALUE IS	5.87802 AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00) DC
6TH HIGHEST VALUE IS	4.32803 AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00) DC
7TH HIGHEST VALUE IS	4.13220 AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00) DC
8TH HIGHEST VALUE IS	3.72047 AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00) DC
9TH HIGHEST VALUE IS	3.31773 AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00) DC
10TH HIGHEST VALUE IS	3.28194 AT (	792750.00,	1988250.00,	72.17,	95.00,	0.00) DC

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 6TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2	1ST HIGHEST VALUE IS	4.44736 AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	4.07633 AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	3.68160 AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	3.28131 AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	3.13662 AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	3.13284 AT (	793200.00,	1988400.00,	85.59,	89.00,	0.00) DC
	7TH HIGHEST VALUE IS	3.04533 AT (	792950.00,	1988250.00,	83.36,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	2.96323 AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	2.73391 AT (	792900.00,	1988300.00,	81.58,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	2.66159 AT (	793250.00,	1988350.00,	80.33,	89.00,	0.00) DC

AGGT	1ST HIGHEST VALUE IS	0.21222 AT (	792800.00,	1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	0.16191 AT (	792850.00,	1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	0.15051 AT (	792850.00,	1988250.00,	87.87,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.14941 AT (	792800.00,	1988250.00,	83.73,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.14416 AT (	792750.00,	1988300.00,	83.85,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.13408 AT (	792900.00,	1988250.00,	85.17,	95.00,	0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 0.10951 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.09183 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.07594 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.06359 AT ( 792750.00, 1988250.00, 72.17, 95.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 146.17762 AT ( 791250.00, 1987750.00, 7.00, 7.00, 0.00) DC  
 2ND HIGHEST VALUE IS 145.64538 AT ( 791800.00, 1987950.00, 7.00, 7.00, 0.00) DC  
 3RD HIGHEST VALUE IS 145.61906 AT ( 792050.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 145.42490 AT ( 792050.00, 1988300.00, 9.91, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 145.30012 AT ( 792000.00, 1988300.00, 9.86, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 145.18874 AT ( 792100.00, 1988300.00, 10.00, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 145.02180 AT ( 792000.00, 1988450.00, 10.00, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 144.90555 AT ( 791900.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 144.89577 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 10TH HIGHEST VALUE IS 144.87218 AT ( 792100.00, 1988250.00, 9.99, 95.00, 0.00) DC

AG1 1ST HIGHEST VALUE IS 68.16701 AT ( 792100.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 2ND HIGHEST VALUE IS 68.06103 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 3RD HIGHEST VALUE IS 68.05165 AT ( 792050.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 68.02166 AT ( 792150.00, 1988250.00, 10.00, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 68.01553 AT ( 792100.00, 1988300.00, 10.00, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 67.99434 AT ( 792100.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 67.97086 AT ( 792200.00, 1988200.00, 10.00, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 67.94818 AT ( 792000.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 67.93991 AT ( 791800.00, 1988000.00, 7.00, 7.00, 0.00) DC  
 10TH HIGHEST VALUE IS 67.92701 AT ( 791900.00, 1987950.00, 7.00, 7.00, 0.00) DC



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1-Hour SO<sub>2</sub> Designation Modeling Results

AG2 1ST HIGHEST VALUE IS 76.70431 AT ( 792050.00, 1988300.00, 9.91, 95.00, 0.00) DC  
 2ND HIGHEST VALUE IS 76.62317 AT ( 792000.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 76.48604 AT ( 792000.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 76.45894 AT ( 792050.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 76.44910 AT ( 791500.00, 1987550.00, 3.00, 3.00, 0.00) DC  
 6TH HIGHEST VALUE IS 76.43794 AT ( 792100.00, 1988250.00, 9.99, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 76.41482 AT ( 791900.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 8TH HIGHEST VALUE IS 76.28118 AT ( 792100.00, 1988300.00, 10.00, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 76.19501 AT ( 791500.00, 1987450.00, 3.00, 3.00, 0.00) DC  
 10TH HIGHEST VALUE IS 76.16721 AT ( 791750.00, 1987950.00, 7.00, 7.00, 0.00) DC

CC1 1ST HIGHEST VALUE IS 7.26286 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 5.94296 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 5.67283 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 5.63959 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 4.97220 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 4.00302 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 3.93586 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 8TH HIGHEST VALUE IS 3.64912 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 3.20290 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.97754 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*  
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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 8TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

CC2 1ST HIGHEST VALUE IS 4.35024 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 4.05074 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 3RD HIGHEST VALUE IS 3.64336 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 3.11638 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 3.05965 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 2.98171 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC

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1-Hour SO<sub>2</sub> Designation Modeling Results

7TH HIGHEST VALUE IS 2.93895 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 2.90842 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 9TH HIGHEST VALUE IS 2.62837 AT ( 793150.00, 1988400.00, 80.68, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 2.62109 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

AGGT 1ST HIGHEST VALUE IS 0.14199 AT ( 792800.00, 1988300.00, 92.04, 92.04, 0.00) DC  
 2ND HIGHEST VALUE IS 0.13932 AT ( 792850.00, 1988250.00, 87.87, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 0.13855 AT ( 792850.00, 1988300.00, 92.14, 92.14, 0.00) DC  
 4TH HIGHEST VALUE IS 0.12274 AT ( 792750.00, 1988300.00, 83.85, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 0.10845 AT ( 792900.00, 1988250.00, 85.17, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 0.10460 AT ( 792800.00, 1988250.00, 83.73, 95.00, 0.00) DC  
 7TH HIGHEST VALUE IS 0.09234 AT ( 792950.00, 1988250.00, 83.36, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 0.08259 AT ( 792900.00, 1988300.00, 81.58, 95.00, 0.00) DC  
 9TH HIGHEST VALUE IS 0.07376 AT ( 793200.00, 1988400.00, 85.59, 89.00, 0.00) DC  
 10TH HIGHEST VALUE IS 0.05599 AT ( 793250.00, 1988350.00, 80.33, 89.00, 0.00) DC

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 144.79399 AT ( 791950.00, 1988350.00, 10.00, 10.00, 0.00) DC  
 2ND HIGHEST VALUE IS 144.63827 AT ( 792100.00, 1988250.00, 9.99, 95.00, 0.00) DC  
 3RD HIGHEST VALUE IS 144.53713 AT ( 792050.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 4TH HIGHEST VALUE IS 144.41785 AT ( 792150.00, 1988250.00, 10.00, 95.00, 0.00) DC  
 5TH HIGHEST VALUE IS 144.10965 AT ( 792050.00, 1988300.00, 9.91, 95.00, 0.00) DC  
 6TH HIGHEST VALUE IS 143.81963 AT ( 791950.00, 1988400.00, 10.00, 10.00, 0.00) DC  
 7TH HIGHEST VALUE IS 143.76833 AT ( 792100.00, 1988400.00, 10.00, 95.00, 0.00) DC  
 8TH HIGHEST VALUE IS 143.61612 AT ( 791950.00, 1988450.00, 10.00, 10.00, 0.00) DC  
 9TH HIGHEST VALUE IS 143.56011 AT ( 792000.00, 1988350.00, 10.00, 95.00, 0.00) DC  
 10TH HIGHEST VALUE IS 143.55379 AT ( 792050.00, 1988250.00, 7.28, 95.00, 0.00) DC

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

1-Hour SO<sub>2</sub> Designation Modeling Results

AG1	1ST HIGHEST VALUE IS	67.90217 AT ( 792100.00, 1988300.00,	10.00,	95.00,	0.00) DC
	2ND HIGHEST VALUE IS	67.61834 AT ( 792150.00, 1988250.00,	10.00,	95.00,	0.00) DC
	3RD HIGHEST VALUE IS	67.59499 AT ( 792050.00, 1988350.00,	10.00,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	67.46819 AT ( 792150.00, 1988300.00,	10.00,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	67.34401 AT ( 792050.00, 1988450.00,	10.00,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	67.31602 AT ( 792200.00, 1988300.00,	10.00,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	67.28629 AT ( 792100.00, 1988250.00,	9.99,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	67.27030 AT ( 792000.00, 1988350.00,	10.00,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	67.26076 AT ( 792000.00, 1988400.00,	10.00,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	67.22175 AT ( 792000.00, 1988450.00,	10.00,	95.00,	0.00) DC
AG2	1ST HIGHEST VALUE IS	75.77142 AT ( 792100.00, 1988350.00,	10.00,	95.00,	0.00) DC
	2ND HIGHEST VALUE IS	75.76507 AT ( 792000.00, 1988300.00,	9.86,	95.00,	0.00) DC
	3RD HIGHEST VALUE IS	75.72356 AT ( 792100.00, 1988250.00,	9.99,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	75.67112 AT ( 792100.00, 1988200.00,	7.00,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	75.65923 AT ( 791950.00, 1988400.00,	10.00,	10.00,	0.00) DC
	6TH HIGHEST VALUE IS	75.64321 AT ( 791900.00, 1988350.00,	10.00,	10.00,	0.00) DC
	7TH HIGHEST VALUE IS	75.59476 AT ( 792050.00, 1988250.00,	7.28,	95.00,	0.00) DC
	8TH HIGHEST VALUE IS	75.58812 AT ( 792150.00, 1988200.00,	8.23,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	75.57520 AT ( 791900.00, 1988400.00,	10.00,	10.00,	0.00) DC
	10TH HIGHEST VALUE IS	75.55986 AT ( 791950.00, 1988350.00,	10.00,	10.00,	0.00) DC
CC1	1ST HIGHEST VALUE IS	6.41729 AT ( 792800.00, 1988300.00,	92.04,	92.04,	0.00) DC
	2ND HIGHEST VALUE IS	5.58739 AT ( 792850.00, 1988300.00,	92.14,	92.14,	0.00) DC
	3RD HIGHEST VALUE IS	5.55780 AT ( 792800.00, 1988250.00,	83.73,	95.00,	0.00) DC
	4TH HIGHEST VALUE IS	5.53177 AT ( 792750.00, 1988300.00,	83.85,	95.00,	0.00) DC
	5TH HIGHEST VALUE IS	4.92293 AT ( 792850.00, 1988250.00,	87.87,	95.00,	0.00) DC
	6TH HIGHEST VALUE IS	3.97414 AT ( 792900.00, 1988250.00,	85.17,	95.00,	0.00) DC
	7TH HIGHEST VALUE IS	3.93545 AT ( 793200.00, 1988400.00,	85.59,	89.00,	0.00) DC
	8TH HIGHEST VALUE IS	3.62315 AT ( 792950.00, 1988250.00,	83.36,	95.00,	0.00) DC
	9TH HIGHEST VALUE IS	3.17060 AT ( 792900.00, 1988300.00,	81.58,	95.00,	0.00) DC
	10TH HIGHEST VALUE IS	2.92821 AT ( 793250.00, 1988350.00,	80.33,	89.00,	0.00) DC

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\*\*MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

\*\*\* THE SUMMARY OF MAXIMUM 9TH-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED  
 OVER 1 YEARS \*\*\*

\*\* CONC OF SO2 IN MICROGRAMS/M\*\*3 \*\*

Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board  
 1-Hour SO<sub>2</sub> Designation Modeling Results

GROUP ID	AVERAGE CONC	NETWORK				RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
		GRID-ID				
CC2	1ST HIGHEST VALUE IS	4.21080	AT (	792800.00,	1988300.00,	92.04, 92.04, 0.00) DC
	2ND HIGHEST VALUE IS	4.04585	AT (	792850.00,	1988300.00,	92.14, 92.14, 0.00) DC
	3RD HIGHEST VALUE IS	3.63881	AT (	792850.00,	1988250.00,	87.87, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	3.11126	AT (	792900.00,	1988250.00,	85.17, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	3.03298	AT (	792800.00,	1988250.00,	83.73, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	2.91823	AT (	792750.00,	1988300.00,	83.85, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	2.84720	AT (	793200.00,	1988400.00,	85.59, 89.00, 0.00) DC
	8TH HIGHEST VALUE IS	2.79626	AT (	792950.00,	1988250.00,	83.36, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	2.53042	AT (	793250.00,	1988350.00,	80.33, 89.00, 0.00) DC
	10TH HIGHEST VALUE IS	2.50189	AT (	793150.00,	1988400.00,	80.68, 89.00, 0.00) DC
AGGT	1ST HIGHEST VALUE IS	0.13556	AT (	792800.00,	1988300.00,	92.04, 92.04, 0.00) DC
	2ND HIGHEST VALUE IS	0.13407	AT (	792850.00,	1988300.00,	92.14, 92.14, 0.00) DC
	3RD HIGHEST VALUE IS	0.12298	AT (	792850.00,	1988250.00,	87.87, 95.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.12048	AT (	792750.00,	1988300.00,	83.85, 95.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.10020	AT (	792800.00,	1988250.00,	83.73, 95.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.09312	AT (	792900.00,	1988250.00,	85.17, 95.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.08694	AT (	792950.00,	1988250.00,	83.36, 95.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.07781	AT (	792900.00,	1988300.00,	81.58, 95.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.07320	AT (	793200.00,	1988400.00,	85.59, 89.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.05564	AT (	793250.00,	1988350.00,	80.33, 89.00, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

\*\*\* AERMOD - VERSION 15181 \*\*\* \*\*\* SO2 PREPA Aguirre with SO2 actual emissions 2015 \*\*\*

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\*\*\* AERMET - VERSION 15181 \*\*\* \*\*\* New Met 2015 \*\*\* 09:17:16

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\*\*MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL

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

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

A Total of 0 Fatal Error Message(s)

A Total of 4 Warning Message(s)

# Commonwealth of Puerto Rico\Puerto Rico Environmental Quality Board

## 1-Hour SO<sub>2</sub> Designation Modeling Results

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A Total of 701 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 532 Calm Hours Identified

A Total of 169 Missing Hours Identified ( 1.93 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

SO W320	19	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	22	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	25	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	28	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS