



GOVERNMENT OF PUERTO RICO
ENVIRONMENTAL QUALITY BOARD

March 28, 2017

Catherine R. McCabe, Esq.

Acting Regional Administrator
 USEPA-Region 2
 290 Broadway
 New York, NY 10007-1866

Dear Mrs.McCabe:

Revised Puerto Rico’s Modeling Results for the 2010 Primary SO₂ National Ambient Air Quality Standards (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 SO₂ emission 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, 2017. On December 19, 2016, Environmental Quality Board (EQB) sent the Puerto Rico’s Modeling Results for the 2010 Primary SO₂ NAAQS Recommendation for Non-Attainment Areas Designation.

According to EPA recommendations, EQB revised the 1-hour SO₂ Designation Modeling Analysis previously submitted to EPA on December 19, 2016. The revision includes the following geographical areas of the Puerto Rico: Guayama-Salinas, Guayanilla and San Juan. Table 1 summarizes the modeling results.

Table 1. Summary of the Puerto Rico 1-hour SO₂ Designation Modeling Results.

Emission Sources with SO ₂ emissions on or above 2,000 tpy	Name of Geographic Area	Maximum Impact Area (radius in kilometers)	1-hour SO ₂ Design Value (µg/m ³)	1-hour SO ₂ NAAQS (µg/m ³)
PREPA Aguirre	Guayama-Salinas	5.5	250	196
PREPA Costa Sur	Guayanilla	6.0	191	
PREPA San Juan	San Juan	4.8	420	
PREPA Palo Seco	San Juan	1.5	291	

PREPA – Puerto Rico Energy and Power Authority

According to the modeling results, the SO₂ emissions for three (3) of the four (4) facilities included in the study, do not comply with the 1-hour SO₂ NAAQS of 196 µg/m³.



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Puerto Rico's Modeling Results for the 2010 Primary SO₂ NAAQS
Recommendation for Non-Attainment Areas Designation
Page 2

Based on the modeling results, EQB recommends to EPA the designation of Guayama-Salinas, and San Juan as Non-Attainment Areas for the 1-hour SO₂ NAAQS, and Unclassified/Attainment Area for the remaining geographical areas of Puerto Rico.

If you have any question, please, feel free to contact Dr. Lisbeth San Miguel-Rivera, EQB Air Quality Manager at (787) 767 – 8181, extension 3269.

Regards,



Tania Vázquez Rivera, Esq.
Chairman
Environmental Quality Board

Enclosure: Puerto Rico 1-Hour SO₂ Designation Modeling Protocol
Puerto Rico 1-Hour SO₂ Designation Modeling Results

c: Mr. John Filippelli, CASD Director
Mr. Richard Ruvo, EPA Air Program Branch Director