



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

MAR 18 2016

OFFICE OF THE
REGIONAL ADMINISTRATOR

Kurt Karperos
Deputy Executive Officer
California Air Resources Board
1001 "I" Street, P.O. Box 2815
Sacramento, California 95812

Dear Mr. Karperos:

On behalf of the U.S. Environmental Protection Agency (EPA), I would like to thank you for your December 17, 2015 submittal identifying sources to be characterized under the sulfur dioxide (SO₂) Data Requirements Rule (DRR).¹ The EPA has reviewed your agency's submittal and has identified additional sources that the DRR requires to be characterized. This letter also provides additional information about the next steps in this source characterization effort, which will result in important data that states and the EPA will use to protect public health.

On August 21, 2015, the EPA finalized the DRR, which requires state air agencies to characterize ambient SO₂ levels in areas with large sources of SO₂ emissions to help implement the 1-hour SO₂ National Ambient Air Quality Standard (NAAQS). Under the DRR, state air agencies must, at a minimum, model or monitor air quality around sources that emit 2,000 tons per year (tpy) or more of SO₂ and that are not located in an area already designated nonattainment. For a source listed because it emitted more than 2,000 tpy, an air agency may avoid this requirement by adopting federally enforceable emission limits by January 13, 2017, that ensure that the source will emit less than 2,000 tpy of SO₂.

Under the DRR implementation schedule, state air agencies were required to submit to the EPA by January 15, 2016, a list that identifies all sources within its jurisdiction with SO₂ emissions of 2,000 tpy or more during the most recent year for which emissions data are available. Air agencies or the EPA may also include additional sources on a state's source list with SO₂ emissions below 2,000 tpy to ensure that air quality around such sources is appropriately characterized. The EPA has reviewed your agency's submittal and is identifying additional sources that the DRR requires to be characterized (i.e., "applicable sources").

The DRR requires characterization of certain sources with annual emissions below 2,000 tpy as applicable sources. The EPA has identified and is adding the following such sources to your state's list of applicable sources under the DRR:

¹ "Data Requirements Rule for the 2010 1-Hour Sulfur Dioxide (SO₂) Primary National Ambient Air Quality Standard (NAAQS); Final Rule," 80 *Federal Register* 51052, August 21, 2015.

Source	County	Most recent emissions data (2013 CARB Emissions Inventory)
Shell Martinez Refinery	Contra Costa	1,230 tpy
Tesoro Refining & Marketing Co.	Contra Costa	572 tpy
Solvay USA Inc. (formerly Rhodia)	Contra Costa	324 tpy

The three sources listed above are located in Martinez, California, in close proximity to one another. Collectively, they emit more than 2,000 tpy of SO₂ according to the California Air Resources Board's 2013 emissions inventory. While there is an existing SO₂ monitor located within 2 kilometers of the largest source, the complex topography and meteorology, collective source emissions, and surrounding community make further air quality characterization appropriate. If modeling is completed and results indicate that the existing monitor is appropriately located to characterize peak 1-hour SO₂ concentrations, the existing monitor could be used to meet the DRR requirements for these sources.

The next key milestone for purposes of DRR implementation is July 1, 2016, the date by which each air agency must identify, for each listed source, the approach it will use to characterize air quality in the respective area (air quality modeling, ambient monitoring, or establishment of a federally enforceable emission limit).

For sources that an air agency decides to evaluate through air quality modeling, the DRR requires the air agency to submit to the EPA Regional Administrator a modeling protocol by July 1, 2016, and the completed modeling analysis by January 13, 2017. For sources that an air agency decides to evaluate through ambient monitoring, the air agency will need to identify appropriate sites to characterize peak 1-hour SO₂ concentrations, and may need to relocate existing monitors or install new monitors at such sites. As further required under the DRR, the air agency must submit information about monitoring sites to the EPA Regional Administrator by July 1, 2016, as part of its annual monitoring network plan and in accordance with the EPA's monitoring requirements specified in 40 CFR part 58. The air agency must also ensure that ambient monitors will be operational by January 1, 2017.

As noted earlier, in lieu of characterizing air quality around a source with SO₂ emissions at or above 2,000 tpy, air agencies may indicate by the July 1, 2016, deadline that they will adopt federally enforceable emissions limitations that will limit the SO₂ emissions of a source to below 2,000 tpy. Such limits must be adopted and effective by January 13, 2017. The DRR requires that an air agency provide a description of the requirements and emission limits that the air agency intends to apply for the affected sources in their July 1, 2016, submittal.

We look forward to a continued dialogue with you and your staff as you prepare the required submittals that are due on July 1, 2016. To assist in this process, we are available to discuss any technical issues that you may have concerning modeling, monitoring, or emissions limits in order to assist you in meeting this requirement.

Please note that a copy of each state air agency's submittal and a compiled national list of sources subject to DRR requirements are posted on EPA's SO₂ implementation website at www3.epa.gov/airquality/sulfurdioxide/implement.html. We also plan to post this letter on that site and to update the compiled national list with the sources added by this letter as described above in the near future.

Again, thank you for your letter and for your efforts to implement this important standard. For additional information concerning the DRR, please visit our SO₂ implementation website listed above. For additional information regarding designations under the SO₂ standard, please visit our website at www.epa.gov/so2designations. Should you have any questions, please do not hesitate to call me, or have your staff contact Kerry Drake, Associate Director, Air Division, of my staff at (415) 947-4157 or Drake.Kerry@epa.gov.

Sincerely,



Jared Blumenfeld

cc: Karen Magliano, Chief, Air Quality Planning and Science Division, California Air Resources Board
Ravi Ramalingam, Chief, Consumer Products and Air Quality Assessment Branch, California Air Resources Board
Jack Broadbent, Air Pollution Control Officer, Bay Area Air Quality Management District