

submit the required SIP revision for Conewango Township, Warren County, and that it had 18 months in which to submit a SIP revision or face one of the sanctions detailed under section 179(b). On December 9, 1993, the Commonwealth of Pennsylvania submitted a revision to its SIP for the Conewango Township SO₂ nonattainment area. This SIP revision consisted of a COA entered into by and between the Commonwealth of Pennsylvania and Penelec dated April 1, 1993. The COA established interim and final emission limits for the Warren Generating Station in Conewango Township which would protect the NAAQS for SO₂. On February 15, 1995, EPA published a final rule approving the SIP revision (60 FR 8566).

EPA received adverse comments on this rulemaking and subsequently published a notice in the **Federal Register** on April 13, 1995 formally withdrawing the final rulemaking (60 FR 18750). On September 26, 1995, Pennsylvania submitted a SIP revision to amend the revision submitted on December 9, 1993, pertaining to SO₂ nonattainment in Conewango Township. This SIP revision also addressed the SO₂ nonattainment issues related to Glade Township, Pleasant Township, and the City of Warren, Warren County, Pennsylvania. The EPA reviewed this SIP revision and requested additional modeling. Because of the interaction between the Conewango Township nonattainment area, and the Glade Township, Pleasant Township, and the City of Warren nonattainment area, PADEP has prepared a combined SIP revision addressing both areas.

B. Glade Township, Pleasant Township, City of Warren

On December 21, 1993 (58 FR 67334), EPA designated the Glade and Pleasant Townships, and the City of Warren, Pennsylvania as nonattainment for SO₂. The redesignation of these areas as nonattainment for SO₂ was based upon conservative modeling that showed modeled exceedances of the short-term SO₂ standards at the United Refining Company in Glade Township. This area is adjacent to the Conewango Township nonattainment area. PADEP granted permission to United Refining Company to model the area, which included certain high terrain "hotspots" in the immediate vicinity of the facility. The modeling was performed using the EPA

Guideline model CTCSCREEN and was completed in April 1993. The modeling showed that the high terrain "hotspots" were in attainment of the NAAQS for SO₂.

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II. Summary of SIP Revision

On December 26, 2001, the Commonwealth of Pennsylvania submitted a formal comprehensive SIP revision for the SO₂ nonattainment area of Conewango Township, Pleasant Township, Glade Township, and the City of Warren, in Warren County, Pennsylvania, replacing all previously submitted SIP revisions for the SO₂ nonattainment areas in Warren County. This SIP revision contains enforceable operating permit emission limitations for the Reliant Warren Generating Station and the United Refining Company, and an air quality modeling demonstration indicating attainment of the NAAQS for SO₂ for Conewango Township, Pleasant Township, Glade Township, and the City of Warren, Warren County, in the Commonwealth of Pennsylvania. The essential compliance provisions of these permits are presented below.

1. Reliant Energy Mid Atlantic Power Holdings, Warren Generating Station Title V Operating Permit #62-00012

Reliant Energy Mid Atlantic Power Holdings LLC (Reliant), formerly GPU Generation Corporation, and formerly Penelec, owns and operates the Warren Generating Station in Warren County, Pennsylvania. The Station has been in operation since 1948 and consists of four boilers feeding two turbine generators, one gas/oil-fired combustion turbine unit, and one oil-fired emergency diesel. Sulfur dioxide emissions are controlled by fuel

specification. Reliant Energy's permit for this SIP revision consists of relevant portions of a Title V operating permit pertaining to SO₂ only. The SO₂ limitations specified for Boilers No. 1, 2, 3, and 4 are: 4,000 lbs per million Btu over a 3-hour period; 3,530 lbs per million Btu over a 24-hour period, and 3,530 lbs per million Btu annual average. Compliance with these limits is determined by using a continuous emission monitor (CEM) required to be installed and operated in the single stack serving all four boilers. The SO₂ limitations for the combustion turbine and emergency diesel generator are 500 parts per million by volume (ppmv). The effective date of the permit is November 21, 2001.

Monitoring requirements stated in the permit require the permittee to install, operate, and maintain a continuous SO₂ monitoring system to monitor SO₂ emissions from the four boilers where all four boilers exhaust into a common stack containing a single CEMS in compliance with 25 PA Code Chapter 139 subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with 25 PA Code Chapter 139, subchapter C. The Department may use the data from the SO₂ monitoring devices to enforce the emission limitations for SO₂ defined in this permit. The Department may use data from the SO₂ monitoring systems to determine compliance with the applicable emission limitations for SO₂ established in this permit. Reporting requirements require the permittee to submit to the Department the sulfur content (% by weight) of the fuel oil and CEM data reports on a quarterly basis.

2. United Refining Company, SO₂ Permit #1 62-017E

United Refining Company owns and operates an oil refinery which processes fuels and asphalt from crude oil. This facility is located in the City of Warren, Warren County, that adjoins Conewango Township, Glade Township, Pleasant Township, and the City of Warren, PA were designated as nonattainment for SO₂ by EPA on December 21, 1993 (58 FR 67334). The United Refining Company operating permit is a Plan Approval permit and contains the SO₂ emission limitations specified in the following table: