



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Air Quality Permitting Program
P.O. Box 420
Trenton, New Jersey 08625
November 29, 2012

Reference: Plans for addressing Federal requirement for PM-2.5 emissions in Air Permits, Revisions to New Jersey Permit Rules (N.J.A.C. 7:27-8, 18, 21 and 22)

Dear Interested Stakeholder:

The New Jersey Department of Environmental Protection (NJDEP) is beginning a process to revise the referenced N.J.A.C. subchapters to address Federal requirements regarding fine particulate (PM-2.5) air contaminant emissions.

The USEPA revised National Ambient Air Quality Standards (NAAQS) for fine particles (PM-2.5) were published in the October 17, 2007 Federal Register. The revised PM-2.5 NAAQS are 15 microgram per cubic meter (annual) and 35 microgram per cubic meter (24-hour). To implement these standards, USEPA took three separate actions:

1. On May 16, 2008, the USEPA promulgated New Source Review (NSR) provisions;
2. On October 20, 2010, the USEPA promulgated a rule on increments, significant impact levels (SIL) and significant monitoring concentrations (SMC) and
3. On December 21, 2010, the USEPA promulgated rules on PM-2.5 stack test methods for stationary sources of air pollution.

Together, these three rules establish a framework for implementing preconstruction permit review for the PM-2.5 NAAQS. Facilities located in New Jersey's 13 non-attainment counties for PM-2.5 (map attached) are required to comply with the three referenced federal rules and the USEPA subsequent policy memorandum dated July 21, 2011, concerning inter-pollutant offsets. New Jersey (NJ) is implementing these Federal requirements in Air Permits using Federal rules of 40 CFR Part 51, Appendix S until New Jersey revises its permit rules.

The NJDEP has begun the process to revise its Permit Rules to incorporate nine specific provisions. Attached is a list of nine planned revisions to N.J.A.C. 7:27-8, 18, 21 and 22 to Address PM-2.5 Emissions.

On Tuesday, December 18, 2012 from 9:30 am to 11:30 am a stakeholder meeting will be held to discuss the planned revisions and gather stakeholder input and suggestions. The meeting will take place in the 4th floor large conference room, NJDEP Building, 401 East State Street, Trenton. The stakeholder feedback obtained will be considered as the NJDEP begins the formal rule development process. This meeting is for invited persons only. Stakeholders not participating in the 12/18/12 meeting, as well as stakeholders attending the meeting, will still be able to provide ideas and informal input until January 18, 2013 via e-mail to me. The formal rule proposal and regular comment period will follow.

I look forward to meeting with interested stakeholders on this important subject.

Sincerely,

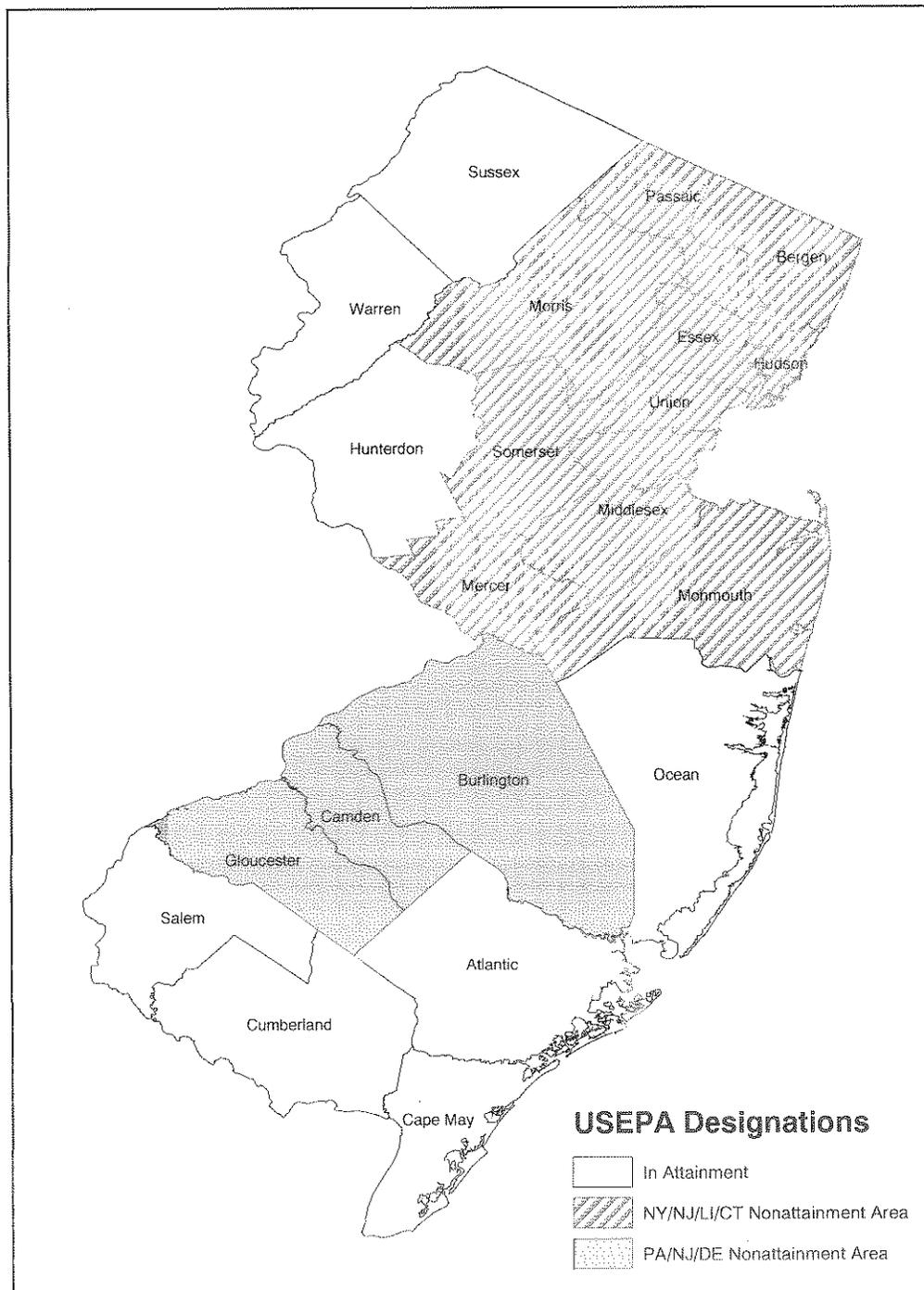
A handwritten signature in black ink, appearing to read "Francis S. Steitz", written in a cursive style.

Francis S. Steitz
Assistant Director
Air Quality Permitting Program

Attachments:

NJ Map showing the 13-non-attainment area
List of the proposed 9 provisions

USEPA Designations of Nonattainment Areas for PM 2.5 in New Jersey



Date: December 21, 2004
Source: <http://www.epa.gov/pmdesignations/finaltable.htm>
Map: epa_nj

Planned Revisions to N.J.A.C. 7:27-8, 18, 21 and 22 to Address PM-2.5 Emissions

1. Define PM-2.5.
2. Identify SO₂ as a precursor of PM-2.5.
3. Identify NO_x as a precursor of PM-2.5.
4. Specify major source thresholds for PM-2.5 and its precursors (100 TPY).
5. Specify modification triggers for PM-2.5 and its precursors (10 TPY for PM-2.5 and 40 TPY for precursors).
6. Specify Significant Impact Levels (SILs) for PM-2.5.
7. Specify offset ratio for direct PM-2.5 emissions (1 to 1).
8. Include a new general provision for inter pollutant offsets, as allowed by USEPA if there would be a net air quality benefit.
9. Under consideration - Revise requirements limiting offsets to the same Air Quality Control Region (AQCR) to be consistent with Federal requirement allowing offsets from a contiguous AQCR, if certain requirements are met.