



State of New Jersey

Jon Corzine
Governor

Department of Environmental Protection
Division of Environmental Regulations
Air Quality Management
Bureau of Air Quality Planning
401 East State Street
P.O. Box 418
Trenton, NJ 08625-0418
Phone (609) 292-6722
Fax (609) 984-6533

Lisa Jackson
Commissioner

2005 EMISSION STATEMENT REPORTING YEAR

ADDENDUM TO THE 2003 EMISSION STATEMENT GUIDANCE DOCUMENT

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What's New With The 2005 Emission Statement Program

There will be minimal difference between the 2004 and the 2005 Emission Statement Program. There only additional reporting requirement for 2005 is that non-major facilities will have to report emissions for Toxic Air Pollutants (TAPs). Major facilities were required to report TAPs since the 2003 emission year. Also, there is a new version of RADIUS, which is available at the RADIUS webpage for free download (www.state.nj.us/dep/aqpp/radius.html).

Due Date For Emission Statement Submittal

- Non-Applicability request is due February 1, 2006, to be considered for non-applicability for the 2005 submittal
- Hardship waiver request for paper forms is due March 1, 2006.
- If a facility had prior written approval to report on paper forms, then the due date of the completed paper forms is April 15, 2006.
- For all other facilities submitting electronically using RADIUS, the due date is May 15, 2006.

Common Issues In Reasonableness Letters From 2004 Emission Statements

The following is a list of issues that were frequently asked in the Reasonableness Letters the Department sent to facilities as a follow-up to the original Emission Statement submittal. This list may help when completing the 2005 Emission Statement.

- Report CO₂ in 1000 tons/yr
- Report TAP's in lbs/yr
- Report NO_x for 5/1-9/30 in tons/season
- Report PM_{2.5} and ammonia at source level
- Report NAICS
- Use of proper AP-42 emission factors
- Include condensable as part of PM
- Select pollutants from drop-down list
- Report emission factors for all method codes except for CEM and material balance
- "Sum Facility Emissions" before creating file
- Use the Submit function in RADIUS
- Report Source Details and Control Operations
- Report the proper SCC (at least 3 levels, must start with a #, and don't use 3-99-999)
- Correctly link the equipment, emission point, and control device in the Emission Unit/batch Process Inventory
- Mirror permit(s)
- Report fuel usage for combustion sources
- Report amount of coating/ink/solution as applied in coating/printing processes
- RADIUS only calculates emissions for coating/printing processes and for boilers for specific fuel types and firing method

- Autocalculate does not calculate emissions for the NO_x tons/season (5/1-9/30) nor emissions for PM_{2.5}, ammonia, CO₂, methane, and TAP's
- Correctly use the check boxes on the General screen
- Create new equipment/operating scenario for control devices that burn fuel

Other Issues From The 2004 Emission Statement

- **Save the RADIUS file onto the hard drive first before copying it to a floppy disk.**
Occasionally, the Department would receive a file on a disk that cannot be read. By saving the file first on the computer hard drive, it eliminates any error that can be caused by saving it directly to a disk.

Frequently Asked Questions

In addition to the above list from the Reasonableness Letters, there are few frequently asked questions that the Department received via the telephone or e-mail. They are listed here:

- Emission factors for PM_{2.5}, ammonia, CO₂, methane, and toxic air pollutants (TAP's); resources include:
 - USEPA (AP-42, FIRE, etc.)
 - CARB
 - MSDS
 - Manufacture's data
 - Industry council data
- Errors when upgrading/installing RADIUS
 - Do not run the upgrade/install file again
 - Call the Department immediately for assistance

RADIUS "Bugs"

During the last year, several bugs in RADIUS were identified. These bugs were problems in the software that did not prevent the submittal of the Emission Statement but may prevent the recording of certain data fields. These bugs were not fixed in RADIUS due to resource and time constraint but will be in future versions. Users are asked to do their best to work around these bugs. Here is the list of these bugs:

- Occasionally, emissions may not automatically sum up at FG0, IS0, and OS0 levels. Please contact the Emission Statement Helpline (609-984-5483) for assistance.
- NO_x tons/season is not available for Batch Process, therefore, cannot be entered.
- Source Details errors that include pop-up windows with error messages. In this case, please provide the data on a cover letter.
- When using the Save As or Save As Different Year, the NO_x tons/season emissions number is not copied into new file (may also be same for a few Source Details).