



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

JON S. CORZINE
Governor

MARK N. MAURIELLO
Acting Commissioner

P. O. Box 402
Trenton, New Jersey 08625-0402
Tel: (609) 292-2885
Fax: (609)-292-7695

October 15, 2009

The Honorable George Pavlou
Acting Regional Administrator
United States Environmental Protection Agency – Region 2
290 Broadway- 26th Floor
New York, New York 10007-1866

Dear Acting Regional Administrator Pavlou:

The purpose of this letter is to provide you with New Jersey's recommendations for lead designations for the 0.15 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) National Ambient Air Quality Standard (NAAQS).¹ Section 107(d)(1)(A) of the Clean Air Act provides that Governors of each state submit recommendations for areas to be designated attainment, nonattainment, or unclassifiable after the United States Environmental Protection Agency (USEPA) promulgates a new or revised NAAQS. On September 22, 2009, you sent Governor Jon S. Corzine a letter advising that New Jersey make such recommendations for the revised lead NAAQS published on October 15, 2008 (Attachment 1).

New Jersey recommends the entire state be designated attainment based on the following:

1. Recent ambient air lead monitoring data within New Jersey is below the NAAQS;
2. Historical air lead monitoring data within New Jersey was significantly below the NAAQS at that time;
3. Ambient air monitors in New York and Pennsylvania, which are within our shared Combined Statistical Areas (CSAs), are reporting lead concentrations significantly below the NAAQS;
4. Inventory estimates of lead emissions are below the current monitoring threshold requirement;
5. Primary sources of lead have been phased out;
6. The USEPA has approved New Jersey's monitoring plan for no additional source-oriented monitors.

New Jersey's ambient air quality data for 2006-2008 meets the revised standard. Lead concentrations in New Jersey in recent years are so low compared to the 1.5 $\mu\text{g}/\text{m}^3$ NAAQS that many of the monitoring sites were discontinued. New Jersey's last lead monitoring location in

¹ 73 Fed. Reg. 66964-67062 (November 12, 2008).

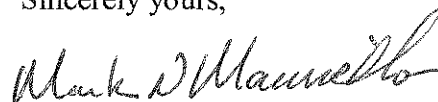
New Brunswick was discontinued in 2008, after the shutdown of New Jersey's primary lead stationary source, Delco Remy, a battery manufacturer, on February 20, 2007. The lead concentration in the 4th quarter of 2006 was 0.051 $\mu\text{g}/\text{m}^3$ before the shutdown and 0.008 $\mu\text{g}/\text{m}^3$ in the 2nd quarter of 2007 after the shutdown.

New Jersey submitted its 2009 Annual Monitoring Network Plan with source-oriented lead monitoring information to the USEPA in June of 2009.² On September 8, 2009 in a letter sent to New Jersey, the USEPA approved the final network design as outlined in this plan (see Attachment 3).³ The USEPA determined that New Jersey's discussion of lead monitoring in its plan satisfied this requirement.

New Jersey will follow up this letter with a Technical Supplement containing the supporting data for the recommendation.

If you have any technical questions regarding New Jersey's recommendations, please contact Bill O'Sullivan, Director of the Division of Air Quality, at (609) 984-6721.

Sincerely yours,



Mark N. Mauriello
Acting Commissioner

Attachments

c: Ray Werner, USEPA Region 2
Richard Ruvo, USEPA Region 2
Maurice Griffin, New Jersey DAG

² Ambient Air Network Monitoring Plan 2009. New Jersey Department of Environmental Protection, Bureau of Air Quality Monitoring, June 2009. <http://www.njaqinow.net/Default.htm>

³ Letter dated September 8, 2009 from the USEPA Region 2 Acting Director Kevin Bricke to Nancy Wittenberg, the Assistant Director of Environmental Regulations at NJDEP.

Attachment 1:
USEPA Letter to Governor Jon S. Corzine Regarding Lead Designation Recommendations

Rick



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2

290 BROADWAY

NEW YORK, NY 10007-1866

SEP 22 2008

Honorable Jon S. Corzine
Governor of the State of New Jersey
Office of the Governor
PO Box 001
Trenton, NJ 08625

Dear Governor Corzine:

I am writing you today to provide you with information on the process for designating areas in New Jersey that meet or may not meet the U.S. Environmental Protection Agency's (EPA) health-related National Ambient Air Quality Standards for lead. In order to protect the public health and welfare EPA periodically evaluates health studies and where appropriate, revises its National Ambient Air Quality Standards accordingly. On October 15, 2008 EPA promulgated a more stringent air quality standard for lead. This new standard is based on the most recent scientific studies and provides additional protection against adverse health effects associated with exposure to airborne lead. To provide increased protection against lead-related welfare effects, EPA also revised the welfare-related secondary standard to be identical in all respects to the more stringent health-related standard.

The next step in implementing the revised lead National Ambient Air Quality Standard is for each state to recommend to EPA those areas in the state that meet or may not meet this more stringent air quality standard for lead. The process for designating areas is contained in Section 107(d)(1) of the Clean Air Act. This section of the Clean Air Act provides a process for each governor to recommend "attainment", "nonattainment", or "unclassifiable" designations, with appropriate boundaries, to the EPA and requires that these recommendations be submitted to EPA within one year of a promulgation of a revised National Ambient Air Quality Standard. Therefore, we ask that you provide your recommendations to EPA for all areas in New Jersey by October 15, 2009.

Once EPA receives and evaluates your recommendation it may propose modifications to the recommended designations and boundaries. EPA will notify states by no later than 120 days prior to promulgating its final designations, of any proposed modifications. You would then have the opportunity to comment on any modification that EPA proposes to New Jersey's original designation recommendation.

I have enclosed with this letter additional guidance to states, local air pollution control agencies and Indian tribes on the time frame and process for designating areas under the revised lead standard. EPA plans to announce our proposed designations as early as possible, but no later than 120 days prior to promulgating initial designations. As previously mentioned - this 120 day period is established to allow states an opportunity to review and comment upon any changes EPA proposes to make to your original recommendation.

Internet Address (URL) • <http://www.epa.gov>

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My staff has already provided this same information on an informal basis to representatives of the Department of Environmental Protection and will continue to provide them with technical assistance and information as this process unfolds.

Under section 107(d)(1)(B) of the Act, EPA is required to issue final designations within two years of promulgation of the final National Ambient Air Quality Standard. However, EPA has the discretion to extend the deadline up to one year if there is insufficient information to make designations. EPA intends to complete initial designations by no later than October 15, 2010, where air quality data from the existing monitoring network is sufficient or where no additional data is expected to be available.

EPA will designate the remaining areas, where additional air quality information is expected from an expanded lead air monitoring network, by no later than October 15, 2011. States and Indian tribes will have an opportunity to update their recommendations for these remaining areas by October 15, 2010.

Establishing area designations is a key step in the process of providing the health protection that the Clean Air Act is intended to provide. Areas that are designated as not attaining the lead National Ambient Air Quality Standard will be required to adopt plans to reduce ambient concentrations of lead. We will keep New Jersey informed of any additional guidance and other support activities. Should you have any questions regarding this matter, please do not hesitate to contact me at 212-637-5000 or have your staff contact Raymond Werner, Chief Air Programs Branch, at 212-637-3706.

Sincerely,



George Pavlou
Acting Regional Administrator

Enclosures

Cc: Mark N. Mauriello, Acting Commissioner
New Jersey Department of Environmental Protection



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Air Quality
401 East State Street
P.O. Box 027
Trenton, New Jersey 08625-0027
Phone: (609)984-1484
Fax: (609)984-6369

JON S. CORZINE
Governor

MARK N. MAURIELLO
Acting Commissioner

November 23, 2009

Ray Werner, USEPA Region 2
Chief
United States Environmental Protection Agency – Region 2
290 Broadway- 25th Floor
New York, New York 10007-1866

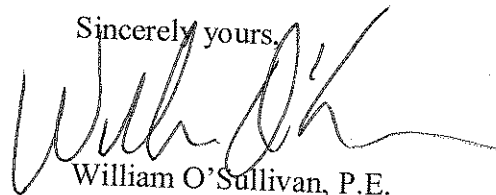
Dear Mr. Werner:

This letter provides supporting data for the New Jersey lead air quality designations recommended in the October 15, 2009 Acting Commissioner Mark N. Mauriello letter to USEPA Region 2 Acting Administrator Pavlou (Attachment 1).

New Jersey recommended that the entire State be designated attainment. Attachment 2 includes ambient air quality data from New Jersey's lead monitor with the most recent data, collected from 1983-2008, and lead concentrations collected from ambient air monitors in New York and Pennsylvania, which share Combined Statistical Areas (CSAs) with New Jersey. Attachment 3 includes historical data for lead collected from New Jersey's air monitoring network, to demonstrate the State's success at meeting both the previous and current standards, and New Jersey's emissions inventory data of point, area, and nonroad sources. Attachment 4 is the approval letter from the USEPA for New Jersey's 2009 Annual Monitoring Network Plan, which indicates no additional source oriented lead monitors are needed in New Jersey.

If you have any technical questions regarding New Jersey's recommendations, please contact Chris Salmi at (609) 292-6710.

Sincerely yours,


William O'Sullivan, P.E.
Director, Division of Air Quality

Attachments

c: Richard Ruvo, USEPA Region 2
John Renella, New Jersey DAG
Chris Salmi, Assistant Director

Attachment 1:
NJDEP October 15, 2009 Lead Designation Recommendation Letter



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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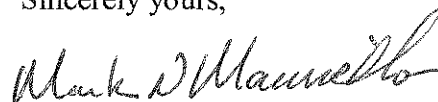
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³ Letter dated September 8, 2009 from the USEPA Region 2 Acting Director Kevin Bricke to Nancy Wittenberg, the Assistant Director of Environmental Regulations at NJDEP.

Attachment 2: New Jersey's Lead Designation Recommendation Supporting Data

Introduction

On October 15, 2008, the United States Environmental Protection Agency (USEPA) revised the lead National Ambient Air Quality Standard (NAAQS) from 1.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to $0.15 \mu\text{g}/\text{m}^3$.¹ Section 107(d)(1)(A) of the Clean Air Act requires that Governors of each state submit recommendations for areas to be designated attainment, nonattainment, or unclassifiable after the USEPA promulgates a new or revised NAAQS.

New Jersey recommends the entire state be designated attainment. New Jersey has based this recommendation on the following:

1. Recent ambient air lead monitoring data within New Jersey is below the NAAQS;
2. Ambient air monitors in New York and Pennsylvania, which are within our shared Combined Statistical Areas (CSAs), are reporting lead concentrations significantly below the NAAQS;
3. Historical air lead monitoring data within New Jersey was significantly below the NAAQS at that time, and is also below the current NAAQS; specifically, 10 monitors with post 1990 data, had data below the current NAAQS prior to shutdown;
4. Inventory estimates of lead emissions are below the current monitoring threshold requirement;
5. Primary sources of lead have been phased out.

These reasons are further discussed below.

Lead Monitoring Data

New Jersey Monitors Recent Data

The lead monitor with the most recent data was located at Delco Remy, a battery manufacturing facility, in New Brunswick, New Jersey. The Delco Remy facility shutdown on February 20, 2007 and the monitor was shutdown on May 31, 2008. As shown in Table 1, lead calendar quarter averages were below the NAAQS for 10 quarters, prior to the monitor being shutdown. Figure 1 shows an overall decreasing trend in the maximum 3-month rolling average concentrations at this monitor.

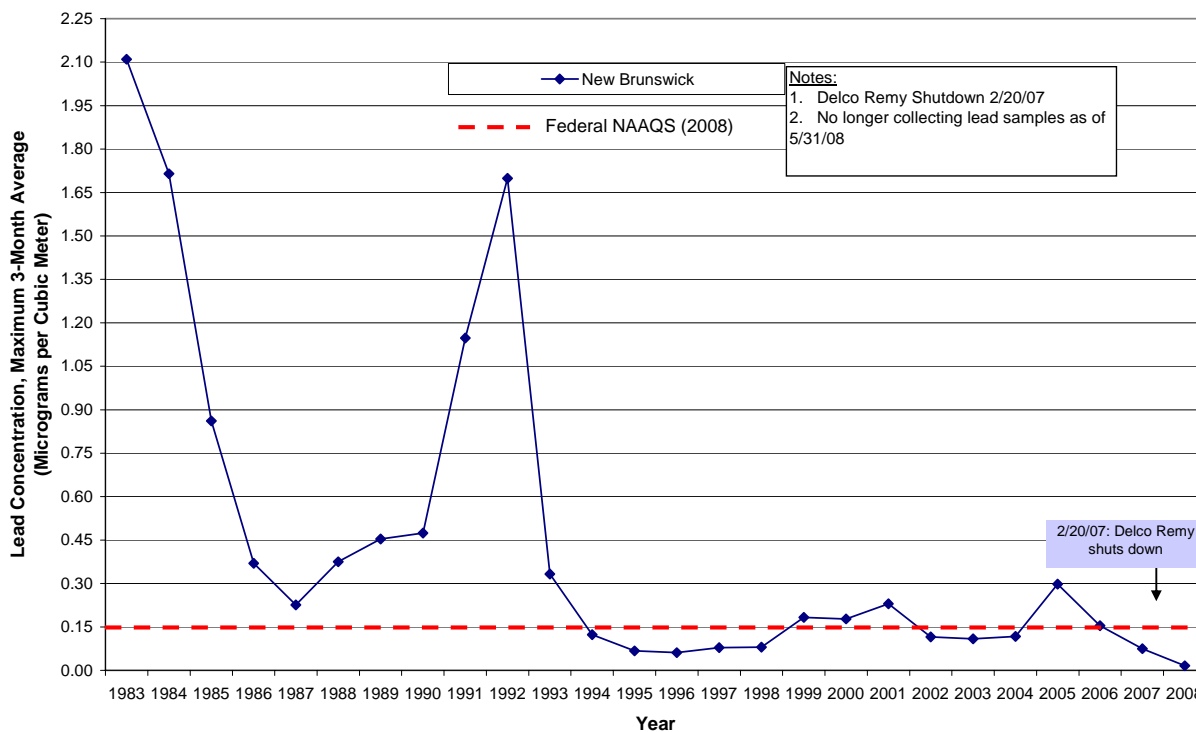
The design value that was calculated by the USEPA using 2005-2007 data for the New Brunswick site was $0.18 \mu\text{g}/\text{m}^3$. This calculation does not include the most recent data shown in Table 1. The more recent data indicates that the 2006-2008 lead concentrations are below the standard level of $0.15 \mu\text{g}/\text{m}^3$ (see Table 1). New Jersey is working toward ensuring that the Air Quality System (AQS) contains the correct data. The location of the monitor is shown in Figure 2.

¹ 73 Fed. Reg. 66964-67062 (November 12, 2008).

Table 1: New Jersey Ambient Lead Monitoring Data

				Calendar Quarter Averages ($\mu\text{g}/\text{m}^3$)				Max 3 Month Rolling Avg ($\mu\text{g}/\text{m}^3$)
County	Location	Federal Monitor ID	State Monitor ID	1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter	
2005 Before Delco Remy Shutdown (2/20/07)								
Middlesex	Delco Remy, New Brunswick	340231003	57	0.032	0.189	0.222	0.154	0.298
2006 Before Delco Remy Shutdown								
Middlesex	Delco Remy, New Brunswick	340231003	57	0.122	0.129	0.026	0.051	0.154
2007 Before and After Delco Remy Shutdown (2/20/07)								
Middlesex	Delco Remy, New Brunswick	340231003	57	0.009	NA	NA	NA	NA
2007 After Delco Remy Shutdown (2/20/07)								
Middlesex	Delco Remy, New Brunswick	340231003	57	NA	0.008	0.008	0.017	0.075 b
2008 After Delco Remy Shutdown (2/20/07)								
Middlesex	Delco Remy, New Brunswick	340231003	57	0.007	0.008	a	a	0.016 a
Notes:								
^a 2008 is a partial year of data. No longer collecting lead samples as of May 31. ^b Representative of entire 2007 calendar year NA = Not Applicable								

**Figure 1:
New Jersey Ambient Lead Monitoring Data
Maximum 3-Month Rolling Averages
1983-2008**



New York and Pennsylvania Monitoring Data

As discussed in the previous section, recent New Jersey lead monitoring data (2006-2008) is below the current NAAQS. New Jersey has also reviewed monitoring data from monitors in New York and Pennsylvania, which are located within our shared Core Based Statistical Area (CBSA).

For the revised lead NAAQS, one non-source-oriented monitor is required in every Core Based Statistical Area (CBSA) with a population of 500,000 people or more.² According to the United States Office of Management and Budget (OMB) and based upon the U.S. Census Bureau data, the term “core based statistical area” (CBSA) became effective in 2000 and refers collectively to metropolitan and micropolitan statistical areas.³ The 2000 standards provide that each CBSA must contain at least one urban area of 10,000 or more population. Each metropolitan statistical area must have at least one urbanized area of 50,000 or more inhabitants. Each micropolitan statistical area must have at least one urban cluster of at least 10,000 but less than 50,000

² 73 Fed. Reg. 67029 (November 12, 2008).

³ U.S. Census Bureau. About Metropolitan and Micropolitan Statistical Areas, August 19, 2008, <http://www.census.gov/population/www/metroareas/aboutmetro.html>, accessed September 21, 2009.

population. CBSAs are further consolidated into combined statistical areas (CSAs). New Jersey is part of two CSAs: 'New York-Newark-Bridgeport, NY-NJ-CT-PA' and 'Philadelphia-Camden-Vineland, -NJ-DE-MD.'⁴ Therefore, the lead monitors located in Pennsylvania and New York can be used as non-source-oriented monitors for New Jersey. The 2005-2007 and 2006-2008 design values from both of these monitors are well below the standard. The monitoring data is shown in Table 2. The locations of the monitors are shown in Figure 2.

**Table 2:
New York and Pennsylvania
Ambient Lead Monitoring Data**

State	County	Federal Monitor ID	State Monitor ID	Annual Maximum 3-Month Mean ($\mu\text{g}/\text{m}^3$)				Design Value ($\mu\text{g}/\text{m}^3$) ^a	
				2005 ^b	2006	2007	2008	2005-2007	2006-2008
NY	Kings	360470122	7095-43	0.03	0.02	0.02	0.01	0.03	0.02
NY	Orange	360713001	3566-02 (1)	0.07	0.04	0.03	0.04	0.07	0.04
NY	Orange	360713001	3566-02 (2)	0.05	0.04	0.03	0.04	0.05	0.04
NY	Orange	360713002	3566-09	0.05	0.07	0.06	0.09	0.07	0.09
NY	Orange	360713004	3566-11	0.04	0.01	0.01	0.01	0.04	0.01
PA	Philadelphia	421010449	Castor And Delaware Avenues	0.02	0.03	0.04	0.04	0.04	0.04
PA	Delaware	420450002	Front St & Norris St	0.04	0.05	0.04	0.05 ^c	0.05	0.05

^aThe design value is the highest rolling three-month average lead concentration for any site in the area. The area is attainment if the design value is less than or equal to $0.15 \mu\text{g}/\text{m}^3$.

^bLab error – only first quarter data available for NY monitors

^cAvailable data only includes January - May.

New Jersey Monitors Historical Data

New Jersey has monitoring data for lead dating back to 1978. Over time, the monitors were shut down as the levels of lead declined to the point where they were consistently well below the NAAQS. The improvements in lead levels were primarily due to the phase out of lead in gasoline and significant reductions in emissions from point sources. All ten state monitors shown in Attachment 3, that were operating after 1990, were recording concentrations below the level of the new NAAQS prior to being shut down. A summary of this data is included in Attachment 3. As the Attachment shows, both the maximum 3 month average and the annual arithmetic mean at these sites were below the level of the new NAAQS in the year they were shut down.

The data shown in Attachment 3 also shows that two sites in Newark show levels slightly above the revised NAAQS in the year prior to shutdown. A more detailed table also included in

⁴ U.S. Census Bureau. Metropolitan and Micropolitan Statistical Area Estimates., March 18, 2009, <http://www.census.gov/popest/metro/CBSA-est2008-annual.html>, accessed September 21, 2009.

Attachment 3 shows that the calendar quarter averages were below the revised NAAQS for at least 4 quarters prior to shutdown. These sites were located in proximity to major point sources of lead that were shut down. The location of these monitors is shown in Figure 2.

Inventory

The New Jersey lead emissions inventory further supports the conclusion that no additional lead monitors are necessary, and that the State is in attainment. The inventory is comprised of data submitted from point sources to New Jersey, and USEPA calculated emission estimates of smaller sources, such as airports. Historically, the major sources of lead in the air have been motor vehicles and industrial facilities. With the phase out of lead in motor vehicle gasoline, the industrial point sources and small airports have become the primary sources of lead emissions.

There are state and Federal regulations for reporting lead emissions data. For nonattainment area State Implementation Plans (SIPs), 40 C.F.R. 51.117(e)(1) requires emission reporting for point sources that emit 0.5 tpy or more of lead. The Air Emissions Reporting Requirements (AERR) Rule at 40 C.F.R. 51.1 – 51.50, Subpart A – Air Emissions Reporting Requirements, establishes the emissions reporting threshold for lead sources at 5.0 tpy or more. New Jersey rules at N.J.A.C. 7:27-21.2 require lead reporting of point sources that emit 5.0 tpy or more of lead.

The draft 2005 NEI prepared by the USEPA indicated that New Jersey had point sources with lead emissions that were greater than 1.0 tpy. These data are located at <http://www.epa.gov/ttnchie1/net/2005inventory.html>. However, New Jersey reviewed the USEPA 2005 NEI and provided the USEPA with the correct data, which indicates that the facilities showing those emissions were either in the process of closing or had already been shutdown. Other errors were found and corrections were provided to the USEPA. Table 3 outlines the 2005 NEI emissions and New Jersey's corrections for the point sources. Table 4 presents the corrected emissions of the top lead emitting facilities in New Jersey, including the 2008 emissions data reported to New Jersey.

As discussed previously, Federal regulations require, at a minimum, one source-oriented State and Local Air Monitoring Stations (SLAMS) site to measure the maximum lead concentration from each lead source that emits 1.0 or more tons per year (tpy), identified in the latest National Emissions Inventory (NEI) or by other scientifically justifiable methods and data.⁵ As shown in Table 4, New Jersey does not have any sources that emit 1.0 tpy or more.

⁵ 73 Fed. Reg. 67025 (November 12, 2008).

Table 3:
New Jersey Corrections to
the USEPA 2005 NEI New Jersey Point Source Lead Emissions Inventory Data

Facility Name	SCC Code	NEI SIC Code Description	City	County	Pollutant Code	2005 NEI Emissions (tpy)	NJ Corrected Emissions (tpy)	Description of NJ Corrections
Griffin Pipe Products Co.	39999999	Gray and Ductile Iron Foundries	Florence	Burlington	195	1.9095	0.09	2007 Emissions; Facility closing
Johnson Controls Battery Group Inc.	39999999	Storage Batteries	New Brunswick	Middlesex	195	1.344	0	Closed
Atlantic States Cast Iron Pipe Co.	39999999	Gray and Ductile Iron Foundries	Phillipsburg	Warren	7439921	0.496	0.003	2007 Emissions; Calculation error in 2005
U.S. Pipe & Foundry Company, Inc.	39999999	Gray and Ductile Iron Foundries	Burlington	Burlington	195	0.402	0.2	2007 Emissions
Covanta Essex Company	50100103	Solid Waste Combustors and Incinerators	Newark	Essex	7439921	0.291	0.61 (2005) 0.71 (2007)	Corrected 2005 and 2007 emissions

Table 4:
New Jersey Lead Inventory
Top 10 Facilities

Facility Number	Facility Name	County	2005 NEI Lead Emissions (tpy)*	2008 Lead Emissions (tpy)**
7736	Covanta Essex Company	Essex	0.61 (2005), 0.71 (2007)	0.85
18052	Gerdau Ameristeel Sayreville	Middlesex	0.18	0.43
65485	Siegfried (USA), Inc.	Salem	-	0.34
75487	Mid-Atlantic Recycling Technologies Inc.	Cumberland	-	0.27
12174	Bayonne Plant Holding, L.L.C.	Hudson	-	0.2
45940	Colorite Specialty Resins	Burlington	-	0.18
65491	Chambers Works	Salem	-	0.16
51614	Camden County Energy Recovery Associates, L.P.	Camden	0.27	0.11
26177	US Army IMCOM - Picatinny Arsenal	Morris	0.16	0.1
45954	Griffin Pipe Products Co.	Burlington	0.09	0.1

*2005 EPA NEI v2 with New Jersey corrections

**Reported to the NJDEP as Non-Fugitive Emissions

Although lead was phased out of motor vehicle gasoline, lead is still present in some aviation gasoline. While lead is not added to jet fuel that is used in commercial aircraft, military aircraft, or other turbine engine aircraft, it is still added to aviation gasoline (commonly referred to as “avgas”) used in most piston-engine aircraft.⁶ The New Jersey lead emissions inventory for airports, estimated by USEPA for the 2005 NEI, is shown in Table 5. Current estimations show that the highest individual source of emissions from an airport in New Jersey is the Morristown Municipal Airport in Morris Count at 0.662 tpy. These emissions are below the Federal monitor siting and emissions inventory reporting thresholds.

Table 5:
New Jersey 2005 Lead Inventory
Piston-Engine Aircraft Operating on Leaded Aviation Gasoline*

Airport	Airport Name	County	Pb (tpy)
MMU	MORRISTOWN MUNI	MORRIS	0.662
TEB	TETERBORO	BERGEN	0.638
CDW	ESSEX COUNTY	ESSEX	0.423
EWR	NEWARK LIBERTY INTL	ESSEX	0.335
TTN	TRENTON MERCER	MERCER	0.313
ACY	ATLANTIC CITY INTERNATI	ATLANTIC	0.184
BLM	MONMOUTH EXECUTIVE	MONMOUTH	0.159
N14	FLYING W	BURLINGTON	0.152
N07	LINCOLN PARK	MORRIS	0.15
VAY	SOUTH JERSEY REGIONAL	BURLINGTON	0.148
39N	PRINCETON	SOMERSET	0.132
MIV	MILLVILLE MUNI	CUMBERLAND	0.118
LDJ	LINDEN	UNION	0.118
SMQ	SOMERSET	SOMERSET	0.112
17N	CROSS KEYS	GLOUCESTER	0.104
47N	CENTRAL JERSEY REGIONAL	SOMERSET	0.104
N51	SOLBERG-HUNTERDON	HUNTERDON	0.099
MJX	ROBERT J. MILLER AIR PA	OCEAN	0.098
FWN	SUSSEX	SUSSEX	0.095
N40	SKY MANOR	HUNTERDON	0.093
N87	TRENTON-ROBBINSVILLE	MERCER	0.083
4N1	GREENWOOD LAKE	PASSAIC	0.082
N85	ALEXANDRIA	HUNTERDON	0.076
N12	LAKWOOD	OCEAN	0.071
WWD	CAPE MAY COUNTY	CAPE MAY	0.069
N81	HAMMONTON MUNI	ATLANTIC	0.068
3N6	OLD BRIDGE	MIDDLESEX	0.067

⁶ USEPA. Lead Emissions from the Use of Leaded Aviation Gasoline in the United States, Technical Support Document. United States Environmental Protection Agency, Office of Transportation and Air Quality, Assessment and Standards Division. EPA420-R-08-020, October 2008.

Airport	Airport Name	County	Pb (tpy)
19N	CAMDEN COUNTY	CAMDEN	0.064
1N7	BLAIRSTOWN	WARREN	0.064
N73	RED LION	BURLINGTON	0.054
26N	OCEAN CITY MUNI	CAPE MAY	0.05
1N4	WOODBINE MUNI	CAPE MAY	0.045
AIY	ATLANTIC CITY MUNI/BADE	ATLANTIC	0.037
13N	TRINCA	SUSSEX	0.032
7N7	SPITFIRE AERODROME	SALEM	0.023
3N5	NEWTON	SUSSEX	0.007
	TOTAL		5.129

*2005 EPA NEI v2

Table 6 shows a summary of the New Jersey 2005 lead emissions inventory contained in the USEPA 2005 NEI, and including New Jersey corrections for point sources (not including corrections for airports).

Table 6: New Jersey 2005 Lead Inventory Summary*

Sector	Lead Emissions (tpy)
Point**	10.03
	Small airports = 5.13
	Industrial processes = 2.71
	Solid waste disposal = 1.06
Area	0.43
Onroad	N/A
Nonroad	0.09
Total	10.55

*2005 EPA NEI v2

**Includes NJ corrections for point sources (not airports)

New Jersey's Monitoring Plan

Lead monitoring network design and the siting of lead monitors is regulated under 40 C.F.R. Part 58. The regulations require, at a minimum, one source-oriented State and Local Air Monitoring Stations (SLAMS) site to measure the maximum lead concentration from each lead source that emits 1.0 or more tons per year (tpy) and one non-source-oriented monitor in every Core Based Statistical Area (CBSA) with a population of 500,000 people or more.⁷ The non-source-oriented monitors must be placed in neighborhoods within urban areas that meet the USEPA's lead source specifications. New Jersey submitted its 2009 Annual Monitoring Network Plan with source-

⁷ 73 Fed. Reg. 67029 (November 12, 2008).

oriented lead monitoring information to the USEPA in June of 2009.⁸ On September 8, 2009 in a letter sent to New Jersey, the USEPA approved the final network design as outlined in this plan (see Attachment 4).⁹ Since New Jersey does not have any individual source that emits 1.0 or more tpy of lead, there are no source monitors required and the USEPA determined that New Jersey's discussion of lead monitoring satisfies this requirement (see Attachment 4).¹⁰ Annual Monitoring Network Plans for non-source CBSA population monitors are due to the USEPA by July 1, 2010.

Conclusions/Recommendations

Based on the analysis discussed above, New Jersey recommends the entire state be designated attainment. New Jersey has based this recommendation on the following:

1. Recent ambient air lead monitoring data within New Jersey is below the NAAQS;
2. Ambient air monitors in New York and Pennsylvania, which are within our shared Combined Statistical Areas (CSAs), are reporting lead concentrations significantly below the NAAQS;
3. Historical air lead monitoring data within New Jersey was significantly below the NAAQS at that time, and is also below the current NAAQS; specifically, 10 monitors with post 1990 data, had data below the current NAAQS prior to shutdown;
4. Inventory estimates of lead emissions are below the current monitoring threshold requirement;
5. Primary sources of lead have been phased out.

⁸ NJDEP. Ambient Air Network Monitoring Plan 2009. New Jersey Department of Environmental Protection, Bureau of Air Quality Monitoring, June 2009. Starting in 2007, New Jersey is required to submit Annual Monitoring Network Plans to the USEPA Region 2 every year by July 1, as required under 40 C.F.R. Part 58, Subpart B – Monitoring Networks.

⁹ Letter dated September 8, 2009 from the USEPA Region 2 Acting Director Kevin Bricke of the Division of Environmental Planning and Protection to the State of New Jersey's Assistant Director of Environmental Regulations Nancy Wittenberg.

¹⁰ *ibid.*

**Attachment 3:
Historical Lead Monitoring Data From Monitors with Post 1990 Data**

New Jersey Historical Lead Monitoring Summary, Monitors With Post 1990 Data													
ACS Monitor ID	County	City	Address	Year	3-Month Avg Max	Arithmetic Mean	Geometric Mean	First Max Value	Second Max Value	Third Max Value	Fourth Max Value	Below MDL count	NOTES
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1985	0.216	0.165	0.152	0.270	0.250	0.240	0.240	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1986	0.099	0.191	0.163	0.370	0.360	0.320	0.320	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1987	0.070	0.049	0.051	0.100	0.090	0.090	0.080	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1988	0.044	0.032	0.030	0.090	0.070	0.070	0.060	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1989	0.068	0.042	0.034	0.080	0.080	0.080	0.080	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1990	0.024	0.017	0.014	0.070	0.050	0.040	0.040	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1991	0.033	0.023	0.019	0.070	0.050	0.050	0.050	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1992	0.034	0.019	0.016	0.050	0.040	0.040	0.040	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1993	0.030	0.024	0.021	0.054	0.050	0.048	0.048	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1994	0.044	0.027	0.022	0.072	0.065	0.059	0.054	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1995	0.030	0.016	0.014	0.055	0.040	0.040	0.039	0	
340011004	Atlantic	Atlantic City	CORNER NORTH MISSOURI AND BALTIC AVENUES	1996	0.014	0.014	0.013	0.034	0.024	0.011	0.011	0	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1984	NA	NA	NA	NA	NA	NA	NA	-	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1985	0.578	0.256	NA	NA	NA	NA	NA	-	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1986	0.202	0.178	NA	NA	NA	NA	NA	-	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1987	0.210	0.119	NA	NA	NA	NA	NA	-	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1988	0.173	NA	NA	NA	NA	NA	NA	-	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1996	0.099	0.058	0.023	0.385	0.334	0.333	0.161	0	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1997	0.071	0.040	0.027	0.309	0.178	0.089	0.086	0	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1998	0.014	0.013	0.013	0.034	0.034	0.013	0.013	0	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	1999	0.075	0.030	0.021	0.128	0.127	0.106	0.104	0	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	2000	0.015	0.010	0.010	0.015	0.015	0.015	0.015	0	
340071007	Camden	Pennsauken	Pennsauken TWP; MORRIS-DELAIR WTP	2001	0.019	0.011	0.010	0.019	0.019	0.019	0.019	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1983	0.586	0.362	0.264	1.690	1.510	0.870	0.810	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1984	0.549	0.387	0.348	1.350	0.920	0.740	0.650	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1985	0.549	0.258	0.221	1.280	0.920	0.430	0.400	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1986	0.196	0.161	0.146	0.360	0.320	0.310	0.290	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1987	0.205	0.162	0.142	0.340	0.330	0.280	0.280	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1988	0.226	0.168	0.123	0.600	0.540	0.410	0.390	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1989	0.187	0.114	0.078	0.670	0.490	0.340	0.250	0	
340130010	Essex	Newark	138 CLIFFORD ST., BOYS CLUB	1990	0.115	0.135	0.130	0.170	0.170	0.140	0.140	0	See Calendar Quarter Averages
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1984	0.594	0.559	0.507	1.730	0.760	0.740	0.710	0	
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1985	0.551	0.434	0.368	1.490	1.370	1.290	1.100	0	
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1986	0.458	0.333	0.258	1.230	1.140	1.080	0.850	0	
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1987	0.576	0.414	0.260	2.090	2.040	1.730	1.470	0	
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1988	0.881	0.569	0.367	3.550	2.070	1.730	1.700	0	
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1989	0.595	0.308	0.195	1.350	1.210	0.890	0.840	0	
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1990	0.411	0.336	0.227	1.140	1.110	0.920	0.910	0	

New Jersey Historical Lead Monitoring Summary, Monitors With Post 1990 Data

AQS Monitor ID	County	City	Address	Year	Ambient Air Lead Concentrations (µg/m ³)										Below MDL count	NOTES
					3-Month Avg Max	Arithmetic Mean	Geometric Mean	First Max Value	Second Max Value	Third Max Value	Fourth Max Value					
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1991	1.059	0.666	0.312	11.090	2.650	2.100	1.640	0				
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1992	0.438	0.266	0.119	1.670	1.340	1.070	0					
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1993	0.317	0.196	0.112	1.223	1.167	1.009	0					
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1994	0.376	0.208	0.114	1.333	0.994	0.947	0					
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1995	0.280	0.149	0.089	1.180	0.727	0.584	0					
340130012	Essex	Newark	HUEBECK CO., AVENUE C AND WRIGHT STREET	1996	0.069	0.054	0.042	0.239	0.122	0.117	0	0.091	See Calendar Quarter Averages			
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1982	0.745	0.544	0.471	1.870	1.240	0.940	0	0.920				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1983	0.482	0.391	0.346	1.030	0.950	0.840	0	0.740				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1984	0.931	0.523	0.453	1.450	1.300	1.200	0	1.080				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1985	0.372	0.238	0.216	0.830	0.530	0.410	0	0.410				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1986	0.167	0.113	0.100	0.370	0.330	0.220	0	0.200				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1987	0.126	0.072	0.054	0.250	0.200	0.170	0	0.160				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1988	0.106	0.089	0.077	0.200	0.190	0.170	0	0.170				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1989	0.091	0.067	0.055	0.240	0.160	0.150	0	0.150				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1990	0.072	0.048	0.034	0.190	0.130	0.120	0	0.110				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1991	0.061	0.054	0.045	0.140	0.130	0.110	0	0.100				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1992	0.057	0.036	0.026	0.120	0.080	0.080	0	0.080				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1993	0.053	0.043	0.035	0.139	0.110	0.101	0	0.091				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1994	0.048	0.029	0.021	0.148	0.128	0.092	0	0.074				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1995	0.046	0.032	0.023	0.139	0.119	0.111	0	0.102				
340171003	Hudson	Jersey City	355 NEWARK AVE, CONSOLIDATED FIRE HOUSE	1996	0.030	0.030	0.027	0.048	0.042	0.042	0	0.038				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1983	0.575	0.445	0.385	1.270	1.010	0.950	0	0.900				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1984	0.480	0.408	0.338	1.310	0.800	0.660	1	0.640				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1985	0.463	0.263	0.234	0.670	0.580	0.490	0	0.420				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1986	0.175	0.131	0.116	0.360	0.280	0.270	0	0.230				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1987	0.125	0.078	0.064	0.210	0.190	0.160	0	0.160				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1988	0.104	0.084	0.076	0.200	0.190	0.160	0	0.160				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1989	0.066	0.044	0.034	0.140	0.100	0.100	0	0.090				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1990	0.041	0.028	0.020	0.110	0.100	0.080	0	0.070				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1991	0.048	0.039	0.032	0.130	0.090	0.080	0	0.070				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1992	0.038	0.022	0.018	0.070	0.060	0.050	0	0.050				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1993	0.035	0.027	0.023	0.057	0.057	0.052	0	0.051				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1994	0.027	0.022	0.018	0.105	0.060	0.048	0	0.044				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1995	0.033	0.024	0.019	0.101	0.052	0.043	0	0.043				
340172002	Hudson	Union City	HEALTH DEPARTMENT, 714 31ST STREET	1996	0.032	0.032	0.029	0.048	0.047	0.044	0	0.042				
340231003	Middlesex	New Brunswick	12TH ST. BETW. JOYCE KILMER AV. & RR TRACKS	1983	2.110	1.455	0.711	7.950	7.220	6.320	0	5.160				
340231003	Middlesex	New Brunswick	12TH ST. BETW. JOYCE KILMER AV. & RR TRACKS	1984	1.715	1.059	0.546	10.490	9.400	6.690	0	5.440				
340231003	Middlesex	New Brunswick	12TH ST. BETW. JOYCE KILMER AV. & RR TRACKS	1985	0.861	0.600	0.365	10.880	2.720	2.100	0	2.050				

New Jersey Historical Lead Monitoring Summary, Monitors With Post 1990 Data													
AQS Monitor ID	County	City	Address	Year	3-Month Avg Max	Arithmetic Mean	Geometric Mean	First Max Value	Second Max Value	Third Max Value	Fourth Max Value	Below MDL count	NOTES
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1986	0.370	0.276	0.164	3.180	1.850	1.720	0.770	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1987	0.226	0.136	0.074	0.730	0.700	0.470	0.440	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1988	0.375	0.222	0.125	2.840	0.980	0.930	0.880	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1989	0.454	0.328	0.120	3.510	3.310	2.210	1.620	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1990	0.474	0.243	0.114	2.450	1.640	1.120	0.970	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1991	1.148	0.755	0.278	7.810	5.430	4.200	3.420	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1992	1.699	0.525	0.142	11.070	4.500	4.030	2.570	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1993	0.333	0.148	0.064	2.102	1.491	0.858	0.602	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1994	0.123	0.093	0.064	0.552	0.362	0.303	0.252	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1995	0.067	0.056	0.036	0.372	0.215	0.207	0.194	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1996	0.061	0.045	0.027	0.360	0.267	0.183	0.166	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1997	0.079	0.050	0.034	0.328	0.248	0.179	0.138	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1998	0.080	0.050	0.027	0.532	0.182	0.171	0.155	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	1999	0.183	0.074	0.039	0.718	0.348	0.286	0.195	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2000	0.178	0.078	0.027	1.164	0.406	0.369	0.358	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2001	0.230	0.117	0.035	0.891	0.590	0.581	0.560	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2002	0.116	0.055	0.021	0.644	0.569	0.284	0.183	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2003	0.109	0.025	0.016	0.281	0.154	0.085	0.082	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2004	0.117	0.053	0.019	0.651	0.439	0.301	0.249	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2005	0.298	0.126	0.036	0.954	0.935	0.496	0.399	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2006	0.154	0.082	0.019	0.819	0.601	0.440	0.434	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2007	0.075	0.010	0.008	0.139	0.014	0.013	0.008	0	
34031003	Middlesex	New Brunswick	12TH ST.BETW. JOYCE KILMER AV.& RR TRACKS	2008	0.016	0.007	0.007	0.008	0.008	0.008	0.008	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1982	0.969	1.167	0.945	2.660	1.870	1.660	1.600	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1983	0.976	0.740	0.601	1.780	1.710	1.650	1.560	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1984	0.988	0.714	0.592	1.590	1.390	1.370	1.320	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1985	0.809	0.411	0.323	1.760	1.330	0.930	0.740	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1986	0.247	0.175	0.156	0.340	0.330	0.310	0.300	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1987	0.139	0.099	0.084	0.310	0.190	0.180	0.180	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1988	0.100	0.073	0.064	0.210	0.170	0.160	0.120	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1989	0.071	0.043	0.036	0.110	0.090	0.090	0.090	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1990	0.049	0.026	0.018	0.190	0.120	0.090	0.070	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1991	0.035	0.033	0.029	0.080	0.070	0.060	0.060	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1992	0.018	0.015	0.013	0.050	0.040	0.030	0.030	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1993	0.026	0.021	0.017	0.064	0.055	0.055	0.053	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1994	0.078	0.034	0.023	0.162	0.128	0.099	0.089	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1995	0.043	0.017	0.013	0.156	0.068	0.063	0.025	0	
34031002	Passaic	Clifton	NJ ROUTE 3, 340 KINGSLAND RD	1986	0.012	0.011	0.011	0.011	0.011	0.011	0.011	0	
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1982	1.627	0.797	0.356	14.180	6.200	3.790	3.720	1	

New Jersey Historical Lead Monitoring Summary, Monitors With Post 1990 Data														
ACS Monitor ID	County	City	Address	Year	Ambient Air Lead Concentrations (µg/m ³)								Below MDL count	NOTES
					3-Month Avg Max	Arithmetic Mean	Geometric Mean	First Max Value	Second Max Value	Third Max Value	Fourth Max Value			
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1983	1.784	1.008	0.370	10.900	7.580	5.540	3.860	1		
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1984	0.606	0.376	0.266	4.410	1.590	1.260	0.630	0		
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1985	0.311	0.176	0.148	0.640	0.410	0.380	0.280	0		
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1986	0.212	0.122	0.088	0.660	0.380	0.300	0.290	0		
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1987	0.097	0.075	0.054	0.520	0.250	0.190	0.180	0		
340330003	Salem	Not in a city	PENNSGROVE & PEDRICKTOWN ROADS	1988	0.090	0.043	0.032	0.090	0.070	0.040	0.040	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1985	0.170	0.155	0.135	0.380	0.290	0.270	0.190	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1986	0.141	0.103	0.074	0.360	0.300	0.250	0.240	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1987	0.137	0.060	0.037	0.250	0.230	0.180	0.170	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1988	0.188	0.126	0.066	1.030	0.480	0.410	0.400	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1989	0.159	0.093	0.055	0.930	0.360	0.310	0.270	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1990	0.091	0.062	0.038	0.270	0.200	0.190	0.180	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1991	0.076	0.041	0.026	0.190	0.160	0.150	0.130	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1992	0.051	0.025	0.018	0.100	0.090	0.080	0.070	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1993	0.023	0.019	0.016	0.062	0.047	0.045	0.041	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1994	0.041	0.025	0.019	0.106	0.086	0.083	0.060	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1995	0.030	0.021	0.017	0.050	0.050	0.049	0.046	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1996	0.025	0.013	0.012	0.052	0.048	0.023	0.023	0		
340330005	Salem	Not in a city	CHESTER STREET, NEAR RT. 130, DEEPWATER	1997	0.027	0.020	0.017	0.060	0.043	0.040	0.036	0		

New Jersey Ambient Lead Monitoring Data, Huebeck Co., Newark						
			Calendar Quarter Averages ($\mu\text{g}/\text{m}^3$)			
County	Location	Federal Monitor ID	3rd Quarter 1995	4th Quarter 1995	1st Quarter 1996	2nd Quarter 1996
Essex	Huebeck Co., Newark	340130012	0.142	0.076	0.044	0.065
Notes:						
1. 1996 is a partial year of data. No longer collecting lead samples as of 6/26/96						
New Jersey Ambient Lead Monitoring Data, Boys Club, Newark						
			Calendar Quarter Averages ($\mu\text{g}/\text{m}^3$)			
County	Location	Federal Monitor ID	2nd Quarter 1989	3rd Quarter 1989	4th Quarter 1989	1st Quarter 1990
Essex	Boys Club, Newark	340130010	0.058	0.146	0.138	0.136
Notes:						
1. 1990 is a partial year of data. No longer collecting lead samples as of 2/4/90						

**Attachment 4:
USEPA Region 2 September 8, 2009 Letter to NJDEP Regarding New Jersey's 2009
Annual Monitoring Network Plan**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

SEP 8 2009

Ms. Nancy Wittenberg
Assistant Commissioner of Environmental Regulations
State of New Jersey Department of Environmental Protection
P.O. Box 402
Trenton, NJ 08625-0402

Dear Ms. Wittenberg:

This is in response to the 2009 Annual Monitoring Network Review Plan (Plan) for New Jersey's ambient air monitoring program which you submitted to the United States Environmental Protection Agency (EPA) on July 9, 2009. This is to inform you that EPA Region 2 has reviewed New Jersey's Plan for consistency with 40 CFR Part 58.10 and is approving that portion of it related to the final network design.

The portion of the Plan involving the National Core multi-pollutant monitoring station, PM_{2.5} Speciation Trends Network stations, and Photochemical Assessment Monitoring stations network design are subject to approval by the EPA Administrator. Accordingly, we will forward that portion of New Jersey's Plan to EPA's Office of Air Quality Planning and Standards for review. My staff will be working closely with our Headquarters counterparts and will keep your staff informed of the progress of the review.

I would also like to discuss how the State's Plan addresses the new national ambient air quality standards for lead. The lead monitoring rule revised in November 2008 requires monitoring near sources that have the potential to emit more than one ton of lead per year and monitoring to determine population exposure for areas with a core based statistical area population over 500,000. The source-oriented monitoring must be discussed in the 2009 Plan and installed by January 1, 2010. The population-based monitors must be discussed in the 2010 Plan and installed by January 1, 2011.

New Jersey's 2009 Plan includes a discussion that there are no sources emitting more than one ton per year and, therefore, no additional monitoring is required by January 1, 2010. EPA has determined that New Jersey's discussion of lead monitoring satisfies the Plan requirement. We look forward to future discussions between our offices on how to implement monitoring for the lead standard through the efficient use of our resources.

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Our Region will work closely with your agency to establish the new site at Columbia Lake Wildlife Management Area in Warren County for SO₂ and PM_{2.5} and the re-siting of a Camden comprehensive site in a timely manner.

We applaud New Jersey's effort in establishing the Newark Firehouse as New Jersey's National Core multi-pollutant monitoring station.

If you have any questions, please have your staff contact Mr. Richard Ruvo at 212-637-4014 or Ms. Mazeeda Khan at 212-637-3715.

Sincerely,



Kevin Bricke, Acting Director
Division of Environmental Planning and Protection

cc: Charles Pietarinen, NJDEP