

NEW JERSEY CLEAN AIR COUNCIL

Clean Air Council Members

Leonard Bielory, M.D., Chairman
Toby Hanna, P.E., Vice Chairman
Ferdows Ali, Ph.D.
Jorge H. Berkowitz, Ph.D.
James Blando, Ph.D.
Joseph Constance
Michael Egenton
John Elston
Manuel Fuentes-Cotto
John Maxwell
Pam Mount

Clean Air Council Members

Joyce Paul
Joseph Spatola, Ph.D.
Kenneth Thoman
Junfeng (Jim) Zhang, Ph.D.
Irwin Zonis

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Draft Approved: 6/10/2009

NJ CLEAN AIR COUNCIL MEETING RECORD

May 13, 2009, 9:30 a.m.
NJ State Chamber of Commerce
216 West State St
First Floor
Trenton, NJ
(609) 989-7888

CALL TO ORDER: Dr. Bielory opened the meeting.

COUNCIL MEMBERS PRESENT: All of the Council members were present with the changes noted below. (See Attachment 1 – Attendance Sheet)

EXCUSED: Richard Lynch, Pam Mount, Jim Zhang

REPRESENTED: David Brogan for Jorge Berkowitz

SPEAKER: Bill O’Sullivan, Director, Division of Air Quality;

VISITORS: None

Meeting Record

Roll call was taken. Chairman called for motion to approve the March minutes. Irwin Zonis made the motion to approve March minutes with minor edits. John Maxwell the motion. The March minutes were approved by a unanimous vote.

Administrative Report

Presented by Bill O’Sullivan, Director, Division of Air Quality:

1. Air Quality Grades: The American Lung Association (ALA) released its tenth annual *State of the Air: 2009*, in which the group analyzes air quality trends for ozone and fine particulate matter (PM_{2.5}) from 2005, 2006, and 2007 across monitoring sites in the United States. The American Lung Association grades the air quality in New Jersey as an “F” for ozone and “C-F” for PM_{2.5}, depending upon the location in the State.

2. Ozone Health Effects: A study published in the New England Journal of Medicine on March 12, 2009, shows that the risk of dying from respiratory disease may be as much as 30 percent higher in metropolitan areas with high concentrations of ozone than it is in areas with low concentrations.
3. RACT Rules: The adoption of the RACT Rule establishes air pollutant emission reduction requirements in 14 source categories to meet commitments in the NJDEP's State Implementation Plans (SIP) for ozone, fine particles and haze. The adopted rules will achieve NOx, VOC, sulfur dioxide, and particle emission reductions.
4. High Electric Demand Days (HEDD): The Bureau of Operating Permits (BOP) issued, for public comment, two draft operating permit modifications for PSEG Burlington and PSEG Kearny Electric Generating Stations. The modifications increase the capacity of eight simple cycle turbines, when burning natural gas. The increase would allow PSEG to reduce operation of less efficient and highly emitting older FT4 peaking units at these two stations. Also, PSEG installed water injection on 40 turbines to reduce NOx emissions on high ozone days.
5. Air Toxics Impact on Schools: The EPA announced the list of schools selected for participation in the nationwide Air Toxics Study that will begin this summer. Two New Jersey schools, Paulsboro High School, Paulsboro in Gloucester County and Mabel Howell Middle School, Elizabeth in Union County, were selected for the study. The EPA plans on monitoring 62 schools for selected air contaminants in the outdoor air around the schools for 60 days, taking samples every 6th day.
6. Air Pollution Transport: On April 27th and 28th, the states from the Northeast, Mid-Atlantic, Midwest and Southeast met to discuss issues related to the transport of ozone and fine particulate matter in the eastern United States. The goal of this effort is to develop a recommendation to the EPA on electric generating unit (EGU) controls and on how to implement Section 110(a) (2) (D) of the Clean Air Act which addressed transport of air pollution between states.
7. Ethanol: The Division of Air Quality is recommending disapproval of an application by ethanol manufacturers requesting that the USEPA increase the allowable fraction of ethanol in gasoline from 10% (E10) to 15% (E15) because of increases in VOC emissions and concerns about effects and older engines.
8. Electric Vehicles: Two new battery-electric Zero Emission Vehicles (ZEVs), the BMW MINI-E and the Tesla Roadster, were added to the list of Zero Emission Vehicles that, if purchased new, are exempt from New Jersey sales tax. The complete listing of all ultra-low emitting vehicles now offered for sale in New Jersey for the 2009 model year was updated and now includes: one fuel cell powered electric vehicle (Honda Clarity), 2 full speed battery-electric vehicles, 11 Low-Speed battery-electric vehicles, 11 hybrid-electric vehicles (Advanced Technology Partial Zero Emission Vehicles, AT-PZEVs) and 40 ultra-low emitting gasoline-fueled Partial Zero Emission Vehicle (PZEV) models.
9. Bio-fuel: Two bio-fuel pilot projects received approval from the Bureau of Operating Permits (BOP) to begin short term evaluation of bio-fuels' effect on emissions, and to determine if full scale equipment needs to be modified to use bio-fuels. MidAtlantic Recycling Technologies, Inc. (MART) has proposed using recycled glycerol and recycled alcohol solution, a by-product of producing biodiesel, mixed with natural gas to replace No. 2 fuel oil in their rotary kiln operation. Covanta Warren Energy Resource Co., L.P. proposes to evaluate biodiesel as the auxiliary fuel for its municipal waste combustors. Each facility will submit a report on the results after the testing is completed.

10. Preconstruction Permits PDF Testing:

As a result of the success in issuing electronic permits for the 300 major facilities, the Bureau of Preconstruction Permits (BPP) started a pilot project to implement issuance of electronic permits for the over 17,000 minor facilities.

11. Major Proposal EGU: The BOP has drafted an Initial Operating Permit on the Bayonne Energy Center, LLC (BEC)'s proposed 512 MW power generating facility in Bayonne Township, Hudson County and plans to proceed with a public hearing by May 1, 2009. The facility would consist of eight state-of-the-art dual fuel fired simple cycle combustion turbines, operating on natural gas as primary fuel and ultra low sulfur distillate diesel fuel oil as backup fuel during gas supply interruption.

12. Inspection & Maintenance (I/M): Beginning May 4, 2009, the New Jersey Motor Vehicle Commission (MVC) and Parsons, the contractor operating the current motor vehicle gasoline I/M program, will be hosting nine outreach sessions to explain the upcoming changes to the gasoline I/M program and to begin to sign-up the private gasoline inspection and repair facilities for the new inspection test equipment and data collection system. The seminars are open to all currently licensed Private Inspection Facilities (PIFs) and Emission Repair Facilities (ERFs). Under the new program, dynamometer-based exhaust emissions testing will no longer be conducted. Newer model year gasoline vehicles will receive on-board diagnostics (OBD) testing, while older vehicles will receive a non-dynamometer-based exhaust emissions test called the Two-Speed Idle (TSI).

13. Diesel/Stimulus: On April 8, 2009, the Department received notification that its American Recovery & Reinvestment Act (ARRA) application to the USEPA was approved in the amount of \$1.73 million to fund diesel retrofits on construction equipment that are used on New Jersey Department of Transportation, Site Remediation and New Jersey Environmental Infrastructure Trust projects. This portion of ARRA funds is a direct state allocation. Purchases of retrofits will be made off of an existing publicly-bid contract, which will enable completion of the grant by the deadline of September 30, 2010. A second grant from last year's Diesel Emission Reduction Act regional competition was awarded by the USEPA Region 2 to the Northeast States for Coordinated Air Use Management (NESCAUM) in the amount of \$250,000 to retrofit construction equipment that is leased and used throughout the NJ/NY Metropolitan area.

14. Competitive ARRA Grants: NJDEP worked with six organizations which submitted applications for \$15 million in grant money of the \$18 million available from EPA Region 2. The monies are third party funds available to not-for-profits and state governments.

15. Electricity Demand: Ken Thoman cited a PJM article that peak demand is expected to be down 14 percent for the 2009 summer season. This would reduce the likelihood of ozone exceedances.

NEW BUSINESS/OLD BUSINESS

- The CAC reviewed the draft recommendations for the 2009 Hearing. The June 10 meeting will be dedicated to finalizing the report, including executive summary/scope/background. The final version is due July 1. Commissioner Mauriello is scheduled to accept the report at the July 8 meeting.
- Commissioner Mauriello will speak on "The Impact of NJ's Environmental Policy on Business" at a breakfast meeting on May 20, 2009 at the Forsgate Country Club.
- NJ Business & Industry is hosting an environmental Compliance Event on May 15 at the Forsgate Country Club.

- You are cordially invited to the NJ State Chamber of Commerce Annual Open House Backyard Party on June 18 from 5:00 – 8:00 p.m., 216 West State St., Trenton. Please RSVP by e-mail to michael@njchamber.com
- Chairman called for motion to adjourn the meeting. Ferdows Ali made the motion to adjourn, seconded by Jim Blando. The meeting was adjourned at 11:53 a.m.

ARTICLES OF INTEREST

- News Clips

NEXT MEETING

June 10, 2009, 9:30 a.m., IBEW, Local 94, 219 Franklin St., Hightstown, NJ 08520
(609) 426-9702