

## NEW JERSEY CLEAN AIR COUNCIL

### Clean Air Council Members

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

### Clean Air Council Members

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

### Clean Air Council Liaison

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<http://www.state.nj.us/dep/cleanair>

Draft Approved: 9/10/08

### **NJ CLEAN AIR COUNCIL MEETING RECORD**

June 11, 2008, 9:30 a.m.  
Schering Plough  
2000 Galloping Hill Rd  
Building K-2, 2<sup>nd</sup> Floor Training Room,  
Kenilworth, NJ

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: Jorge Berkowitz, James Blando, Richard Lynch, Joyce Paul, Jim Zhang

SPEAKERS: Frank Rodriguez, General Manager, NJ Production Operations, Schering Plough; Bill O'Sullivan, Director, Division of Air Quality (DAQ);

VISITORS: Peg Hanna, DAQ; Kelly Moretta, Mike Ruiz, Russ Cerchiaro, Ed Rauch, Anu Kunapuli, Joe Starkey, Schering-Plough Corp.; Michael Hornsby, PSEG; Lily Shue, Environmental Fuel Solutions

### **Meeting Record**

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

### **Administrative Report**

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

1. Converted Organics, Inc.—Submitted an Air Pollution Control permit application to process up to 156,000 tons annually of source separated food wastes. The permit includes the following equipment: a tipping floor controlled by two activated carbon

- units in series, a digester, pelletizers, and associated equipment controlled with a multi-stage bioscrubber.
2. US Army Picatinny Arsenal—A chamber will be used to detonate unexploded ordinance in an enclosed controlled environment, with two particulate control devices. Preconstruction approval to install and operate the chamber was issued on May 28, 2008. This device should avoid exploded material travelling off the property of the arsenal, which was the case with some of the open detonations of the past.
  3. PSEG Fossil LLC, Essex and Burlington Generating Stations—Submitted applications to install water injection systems to control NO<sub>x</sub> emissions from the 40 gas turbines, and plans to begin utilizing the water injection systems on these units by May 1, 2009. PSEG will utilize these NO<sub>x</sub> control systems in order to obtain NO<sub>x</sub> reduction that will be required by the Department's High Electric Demand Day ("HEDD") rule proposal. Water injection systems have demonstrated a NO<sub>x</sub> control efficiency of more than 40%.
  4. Expansion of Hope Creek Nuclear Generating Station—In the Federal Register dated May 29, 2008, USEPA proposed to approve a revision to the State Implementation Plan (SIP) to increase particulate matter from the cooling tower operated by the PSEG Nuclear Hope Creek Generating Station. USEPA proposes to approve NJ's variance to increase the maximum hourly emission rate of particulates from the cooling tower of Hope Creek Generating Station from 29.4 lb/hr to 42.0 lb/hr, which exceeds the 30lb /hr. ceiling in the rule. The increased emission rate would only occur under worst case conditions of the Delaware Estuary, which is the source of the circulating cooling tower water. This variance enables the uprate project for increasing electrical output from the unit.
  5. New Source Review (NSR)—USEPA issued a final rule on NSR for particulate matter less than 2.5 micrometers (PM-2.5) which will be effective July 15, 2008. The rule includes provisions for major source thresholds, significant emission rates and offset ratios for direct PM 2.5 emissions. In addition to allowing the emission offsets with direct PM-2.5 emissions (at a 1:1 ratio), the final rule also allows offsetting of direct PM-2.5 emissions with the PM-2.5 precursors of sulfur dioxide (at a 40:1 ratio) and nitrogen oxides (at a 200:1 ratio). Currently, thirteen counties in New Jersey are in non-attainment for the PM-2.5. In absence of the final NSR rule, the Department had been applying its interim PM-2.5 permitting and modeling procedures to sources of PM-2.5. To implement the USEPA rule, the Department will revise its PM-2.5 permitting and modeling procedures to incorporate these new requirements on major increases of PM-2.5. Use of the USEPA rules will continue until such time New Jersey revises its NSR regulations to incorporate PM2.5 sources. The USEPA final rule allows up to three years for states to revise their regulations and SIP.
  6. Drive Smarter Challenge—Is a national effort to focus on driving smarter and vehicle maintenance that kicked off on May 20, 2008. The campaign is built around an interactive website [www.drivesmarterchallenge.org](http://www.drivesmarterchallenge.org) that allows motorist to input their own vehicle information into a calculator that then shows how much fuel, CO<sub>2</sub> and money can be saved by taking specific fuel efficiency steps. The NJDEP will be working with the Motor Vehicle Commission to roll-out a similar effort in New Jersey. "DriveGreen New Jersey" will include green driving and vehicle maintenance outreach, as well as information on Low Emission Vehicle technologies and incentives for new car buyers. "DriveGreen New Jersey" is part of the I&M contract.

7. Diesel Emissions Reduction Grant—The Diesel Risk Reduction Program has received an award of \$295,320 from USEPA. Funds under this grant will be used to retrofit non-road construction vehicles that are used on projects approved and funded by the Environmental Infrastructure Trust. NJDEP is also participating in a separate, competitive grant application by NESCAUM for a regional project to retrofit leased construction equipment in the New Jersey/New York area. These grants are part of USEPA’s Diesel Emission Reduction Act funding.
8. Diesel Rule—The rule to tighten standards for the Diesel Inspection & Maintenance Program (cutpoint) was published in the June 16, 2008 NJ Register, and a public hearing is scheduled for July 30, 2008.
9. Combined Heat and Power—A general operating permit is being drafted for small combined heat and power units, probably less than 5 megawatts.
10. Ozone—The new USEPA eight-hour ozone standard is 0.075 ppm, tightened from 0.08 ppm. New Jersey joined other states in an appeal to lower the 0.075 ppm standard to between 0.060 and 0.070 ppm as recommended by USEPA’s Health Advisory Committee. Paul Lioy and Michael Greenberg of EOHSI and Rutgers University authored an article titled “Clearing the Air”, which provides a good overview of the new ozone standard.

#### **NEW BUSINESS/OLD BUSINESS**

- There was a thorough review of the draft hearing report with Sue Shannon. Dr. Bielory will work with Chairman and hearing sub-committee on edits to executive summary, slide set and agenda for July meeting.
- Vice-Chairman called for motion to adjourn the meeting. Ken Thoman made the motion to adjourn, seconded by Michael Egenton. The meeting was adjourned at 12:35 p.m.

#### **ARTICLES OF INTEREST**

- News Clips

#### **NEXT MEETING (Registration Required)\***

July 9, 2008, 10:20 a.m. – 11:40 a.m.  
 Faster Freight Cleaner Air East Coast Conference  
 Javits Center  
 655 West 34th Street  
 New York, NY 10001

\*This special meeting will be held at the Faster Freight Cleaner Air East Coast Conference. Registration is required to attend the conference. The report will also be made available at <http://www.state.nj.us/dep/cleanair> on July 9, 2008. Any feedback received will be discussed at the September regular CAC meeting. Further information about the conference is available at [www.ffcaestcoast.com/index.html](http://www.ffcaestcoast.com/index.html).