

## NEW JERSEY CLEAN AIR COUNCIL

### Clean Air Council Members

Jorge H. Berkowitz, Ph. D., Chairman  
Michael Egenton, Vice Chairman  
Richard Aicher  
Fedrows Ali, Ph. D.  
Leonard Bielory, M.D.  
James Blando, Ph. D.  
Joseph Constance  
George Currier, P.E.  
Elease Evans  
Gene Feyl  
Marcelino Iglesias  
Raymond M. Manganelli, Ph. D.  
John Maxwell

### Clean Air Council Members

Stephen J. Papenberg  
Barry Schlegel  
Joseph A. Spatola, Ph.D.  
Irwin Zonis

### Clean Air Council Liaison

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CAC Web Site  
<http://www.state.nj.us/dep/cleanair>  
DEP Electronic Bulletin Board  
609-292-2006

Approved: 10-08-03

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

**September 10, 2003 at 9:30 a.m.**

International Brotherhood of Electrical Workers  
(Rick Aicher's Office)  
670 Whitehead Rd.  
Building No. 2  
Main Conference Room  
Lawrenceville, NJ 08648  
(609) 394.8129

CALL TO ORDER: Chairman Jorge Berkowitz opened the meeting.

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

EXCUSED: Elease Evans, John Maxwell, Joseph Spatola

REPRESENTATIVE: Daniel Lefkowitz for James Blando

ABSENT: N/A

NJDEP: Bill O'Sullivan, Director, Division of Air Quality; Charles Pietarinen, Chief, Air Monitoring Bureau; Joann Held, Chief, Bureau of Air Quality Evaluation

PUBLIC: N/A

### Meeting Record

Roll call was taken. July minutes were approved.

## ADMINISTRATIVE REPORT

*Bill O'Sullivan, Director, Division of Air Quality*

- On-Board Diagnosis started on September 4, 2003. Vehicles from 1998 on are being tested using OBD. The tail pipe test is being used for measuring emissions in vehicles 1997 and older. The initial failure rate is 3.9%. Dave West will present comprehensive overview of Inspection & Maintenance (I/M) to CAC later this year.
- Hamilton Post Office Decontamination--Four Air Bureaus are overseeing the air pollution aspects of the cleanup (air pollution control design, stack testing, air quality modeling, ambient air monitoring). Chlorine dioxide will be used to decontaminate the facility. Initial tests of the filters and scrubber were successful. Approval of the Air Permit is anticipated in October 2003.
- The following public hearings were held or are scheduled:  
September 9, 2003--Architectural and Industrial Maintenance (ATM) Coating Rule  
September 10, 2003--OMET Revocation Rule  
November 13, 2003--Consumer Products Rule
- State Implementation Plan for fine particulates/PM 2.5 is being started. Bob Stern will discuss with CAC at future meeting.
- *New Source Review: Governor McGreevey announced that New Jersey intends to sue the USEPA. DEP submitted comments on EPA's reconsideration of six (6) areas of it previously adopted (12/31/2002) NSR rule revision. EPA finalized its provision on Routine Maintenance, Replacement, or Repair (RMRR). (See Attachment 2 and Attachment 3—discussed and distributed at meeting)*
- Report of DEP Website Hits—(See Attachment 4—discussed and distributed at meeting)
- A diskette of the New Jersey Comparative Risk Project was distributed at the meeting.

## PHOTOVOLTAIC POWER SYSTEMS (PV)

*Lyle Rawlings, President, Advanced Solar Products, Inc.*

- 2002 production capacity for PV produces more than 350 Megawatts per year, growing at 20% per year.
- PV growth in Mid-Atlantic Region has lowered cost to \$3/4.00 per watt
- Efficiency of electric & PV cross materials similar to PC chips
- PV claims environmental benefits and resource conservation. Reducing smog, acid rain and global warming benefit the environment. Less oil, coal and natural gas is used.
- PV systems are expected to boost US economy. According the USDOE National Center for PV, "PV Roadmap" the PV industry is expected to grow to 150,000 jobs by 2020.
- Since the sun produced energy annually within a five- (5) percent margin, PV systems are a reliable source of power. Demand for power usage is growing eight (8) times faster than available supply.
- Maintenance is reduced to primarily inspections, rendering the PV essentially worry-free.
- Residential energy can be 100% solar power.

- PV has an approximate 15-year payback. New Jersey offers a 70% rebate to the contractor.
- Members were invited to see PV system at IBEW after the meeting.

### **UPDATE on 2003 OZONE SEASON**

*Charles Pietarinen, Chief, Bureau of Air Monitoring (See Attachment 5—distributed at meeting)*

- 2003 was relatively clean year for ozone – there were 19 days above the 8-hour health standard and 4 days above the old 1-hour standard. Both those counts tie the lowest numbers recorded in any year. There could still be a few more problem days, although the heart of the ozone season is over. By comparison there were 44 days above the 8-hour standard and 16 days above the 1-hour standard in 2002. Ozone levels were kept low by cooler than usual temperatures and a lot of rainfall.
- The design values are the concentrations on which control strategies are developed. The highest design value in New Jersey was found at the Colliers Mills site in Ocean County. This will likely be the design value site for the Philadelphia metropolitan region.
- The design value for some sites, including Colliers Mills, may have been affected by the large Canadian forest fire episode in 2002. The two days following those on which the plume from the fires was directly over New Jersey (as shown in satellite photographs) recorded the highest ozone of the season at some sites. The effect on the design value at Colliers Mills, if the data from those days is ignored, is to lower the design value from 116 parts per billion (ppb), to 113 ppb for the three year period of 2000, 2001, 2002. Since the Council meeting, we have looked at the design values based on 2001, 2002, and 2003 (to date) data and found the Colliers Mills value would drop from 109 to 106 ppb if the fire data is removed. This could be very significant as 109 would cause the areas to be designated and “Severe” while 105 would result in a “moderate” ranking for ozone.

### **UPDATE on CAMDEN PROJECT**

*Joann Held, Manager, Bureau of Air Quality Evaluation (See Attachment 6)*

- First model runs for all facilities and all pollutants have been completed and results are being reviewed.
- The model results for Camdett do not show any problems.
- Modeling the emissions from diesel trucks is ongoing.
- Summaries of these results will be presented at the Community Advisory Committee meeting on September 20, 2003.
- A final sampling plan is being developed for the Bucket Brigade.
- The Camden County Municipal Utilities Authority (CCMUA) has agreed to allow DEP to site PM2.5 monitor and sampler on the roof of the CCMUA, which will arrange for electric power to the site.

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

- The Council's rules and by-laws were distributed. **(See Attachment 7)**
- Election of Chairman--Irwin Zonis of the Reappointment Committee asked for nominees for chairman and vice-chairman. Jorge Berkowitz was nominated for reappointment as chairman and Michael Egenton was nominated for reappointment as Vice-Chairman. Dr. Bielory called for the motion to re-elect as nominated. Richard Aiker seconded the motion
- Steve Papenberg agreed to act as Chair of the 2004 Public Hearing Committee. Irwin Zonis agreed to act as Co-chair. Their recommendations for sub-committee members and suggested topics to be discussed at October meeting.
- MACT letter--Jorge Berkowitz stated that the MACT letter be signed and sent if all members had a chance to comment and agreed with the final version of the letter. Raymond Manganelli called for the motion that the letter be signed and mailed. George Currier seconded the motion.
- Raymond Manganelli called for motion to approve July minutes. Irwin Zonis moved to approve the minutes.
- Members agreed that, typically, agenda would consist of DEP Administrative Report and two (2) primary topics.

### **ARTICLES OF INTEREST**

- Article from Science News entitled "Air Sickness"
- News Clips

### **NEXT MEETING**

October 8, 2003 at 9:30 a.m., Kean University, 1000 Morris Ave. (Rt. 82), University Center, Room 337 A, Union, NJ 07083 (908) 737-5326