

CITY OF PHILADELPHIA

DEPARTMENT OF PUBLIC HEALTH AIR POLLUTION CONTROL BOARD

The meeting of the Air Pollution Control Board was held Thursday, October 6, 2016, in the Municipal Services Building, 1401 John F. Kennedy Boulevard, 16th Floor, Room Z.

Eddie R. Battle, Chairman, presided:

ATTENDING:

MEMBERS:

Eddie Battle, Chair of the APCB
Terry Soule, Member, APCB
Joseph O. Minott, Member, APCB
Thomas Edwards Jr., Member, APCB
William Miller, Member, APCB
Dr. Thomas Farley, Department of Public Health Commissioner and Member, APCB

STAFF:

Dr. Caroline Johnson, Deputy Health Commissioner, DPH
Dr. Kassahun Sellassie, Director, Air Management Services, AMS
Ed Braun, Program Manager, AMS
Henry Kim, Administrative Engineer, AMS
Edward Wiener, Chief, Source Registration, AMS
Rachel Andes, Grants and Voluntary Programs Coordinator, AMS
Jiazheng Li, Environmental Engineer II, AMS
Keith Lemchak, Administrative Engineer, AMS
Patrick O'Neill, Environmental Counsel for the City of Philadelphia
Dennis Sosna, Administrative Engineer, AMS
Hallie Weiss, Administrative Engineer, AMS
Richard Annunziato, Asbestos Manager, AMS
Carla Krystyniak, Environmental Counsel City of Philadelphia
Thomas Barsley, QA Administrative Engineer, AMS
Dennis Yuen, Environmental Counsel for the City of Philadelphia
Henry Kim, Administrative Engineer, AMS

VISITORS:

Carol Febbo, Associate Director Office of Air Partnership Programs, Region 3, EPA
Amanda McCullough, Region 3, EPA

Christine Knapp, Office of Sustainability, City of Philadelphia
Dr. Peter DeCarlo, Professor at Drexel University School of Public Health
Jane Baker, Health Department Chief Of Staff
Jeff Moran, Public Relations, City of Philadelphia
Dr. Carol Ann Gross-Davis, Office of Research and Development (ORD),
Region 3, EPA
Craig Johnson, Interpret Green, Owner
Dr. Marilyn Howarth, Center for Public Health Initiatives, UPENN
Sarah Haber, Environmental Researcher at University of Pennsylvania
Michael O'Shea, Environmental Researcher at University of Pennsylvania
Maria Andrews, Associate Director of Undergraduate Programs, UPENN
Pam Susi, Avanti Industrial Hygiene, Owner
Irina Zhorov, WHY Media

1. WELCOME

The proceedings commenced at approximately 2:00 p.m.

Chairman Battle asked the Board members to introduce themselves.

2. ACTION ON MINUTES

Chairman Battle asked for any additions or corrections to the minutes. Hearing none, he asked for a motion to approve, which was seconded and so moved.

3. PROGRAM UPDATE

Dr. Sellassie introduced himself and offered a PowerPoint presentation of the Air Program's updates (see attached).

Questions/Comments:

Mr. Minott: The 8 unhealthy days are from which monitor?

Dr. Sellassie: That is not a specific monitor. The Ozone value is measured throughout the City, so if any location is above the ozone standard of 0.075ppm (8-hour) we call it unhealthy.

Dr. DeCarlo: Do we have an NO₂ monitor at Northeast airport because that helps us to understand what is going on?

Dr. Sellassie: No, we will look to do that in the future.

Mr. Soule: Those 15 major categories, were they single source categories?

Dr. Sellassie: Just the major source facilities (Honeywell, PES).

Ms. Gross-Davis: For the Air toxics risk assessment are you working with anyone from EPA headquarters on things like concepts of how you can assess data, or for input on how you're coming up with the guidelines?

Dr. Sellassie: That is a good point; yes, I will contact you.

Ms. Febbo: Asks Kass to contact her office when they start working on Indoor Air Quality Regulations, her office is willing to work with AMS setting up some guidelines.

Dr. Sellassie: Sure, we will do that. No problem.

Mr. Edwards: I have a question about the asbestos inspections. Is that someone finding asbestos in their basement and asking for help or are you correctively inspecting places where you might find asbestos?

Mr. Annunziato: That number includes both complaint servicing and routine notified abatements.

Mr. Edwards: So, it is both complaint servicing as a result of inspections or licensing?

Mr. Annunziato: That is right.

4. PHILADELPHIA AIR QUALITY SURVEY by Kassahun Sellassie Dr. Kassahun Sellassie spoke about the Philadelphia Air Quality Study (see attached map with slides)

Questions/Comments:

Ms. Gross-Davis: Again, I just want to urge AMS to please contact me at the Office of Research and Development (ORD) before you purchase any equipment or monitors for your Philadelphia Air Quality Survey.

Mr. Minott: I would like to request that Rittenhouse Square needs a monitor.

5. PRESENTATION ON SUSTAINABILITY by Christine Knapp (see attached)

Ms. Knapp gave an overview of the 5 E's (Energy, Environment, Economy, Equity, and Engagement). Greenworks along with the City's Office of Sustainability were organized around these. She spoke about the 15 major targets of their work.

Questions/Comments:

Mr. Minott: You stated that 120 thousands new trees have been planted within last 8 years. Do you track the number of trees that die each year so that we get a sense of what the net increase would be?

Ms. Knapp: We have tree planting numbers and we have tree canopy; which, when you look at them together will give you a sense of the die off, but we do not have an exact number.

Ms. Susi: Is there any consideration as to the allergenic potential of the increase in greenery?

Ms. Knapp: Yes. We are being thoughtful as far as the species of trees being selected; possible allergens, resiliency.

Mr. Minott: As part of the Greenhouse gas inventory for the City, do you look at methane leaks from Philadelphia gas Works (PGW) or is that separate?

Ms. Knapp: Honestly, I'm not sure but I can connect you with Adam who is our Energy manager to help you figure out all that goes into it, but I know it involves information coming from several different sources.

Mr. Minott: Thanks that would be great.

6. PRESENTATION ON AEROSOL by Dr. Peter DeCarlo (see attached).

Dr. DeCarlo presented information on particulate matter and other pollutants in Philadelphia.

Questions/Comments:

Ms. Andrews: Do you measure for PAH's at all?

Dr. DeCarlo: We can look for PAH signatures in the mass spectrum. We do tend to see those and they tend to be well correlated with the bi-carbon, but it's a very, very small fraction of the total.

Mr. Sosna: When the I-95 expansion project construction is complete, would you expect those levels to abate?

Dr. DeCarlo: I would expect the emissions per mile will go down, because you are burning less fuel to go through that mile (if you have less congestion).

Ms. Febbo: I wanted to clarify that although your data showed that traffic related emissions were a small part of the primary pollutant, they really were a significant part of the secondary pollutant. I think it would be wrong to give the impression that traffic related emissions are a small part of all emissions.

Dr. DeCarlo: In the wintertime, yes. The nitrate component of the aerosol that we measure comes from NO_x and a lot of that NO_x comes from vehicle emission. In the summertime, it is not as straightforward. The primary emissions from vehicles may not be the largest piece of the pie but some of those volatile organics that also come from vehicles can contribute to that secondary organic aerosol part of the pie.

Craig Johnson from Interpret Green introduced himself to the Board and gave a background of his company.

7. NEXT MEETING

The meeting adjourned at approximately 4:15pm. The next meeting will be Thursday, January 26, 2017 at 2pm, 16th fl. MSB, Room Y.

8. ADJOURNMENT