

## NEW JERSEY CLEAN AIR COUNCIL

<b><u>Clean Air Council Members</u></b> John Valeri Jr., Esq., Chair Allen Weston, Vice-Chair Leonard Bielory, M.D. Robert Campbell Maria Connolly, PP, AICP Michael Egenton	<b><u>Clean Air Council Members</u></b> Toby Hanna, P.E. Sandra Howland Andrew McNally Stephen Milgrom Richard Opiekun, Ph.D. Scott Ross
<b><u>Clean Air Council Liaison</u></b> Heidi Jones, 609-777-0598 <a href="mailto:Heidi.Jones@dep.nj.gov">Heidi.Jones@dep.nj.gov</a>	<b><u>NJ Clean Air Council Website:</u></b> <a href="http://www.state.nj.us/dep/cleanair">http://www.state.nj.us/dep/cleanair</a>

### New Jersey Clean Air Council Meeting Record

Meeting via Microsoft Teams

Wednesday, November 18, 2020

CALL TO ORDER	John Valeri opened the meeting.
COUNCIL MEMBERS PRESENT	All Council members were present with the changes noted below.
EXCUSED	Sandra Howland Andrew McNally
PUBLIC	Kimberly Scarborough, PSEG
NJ DEP Staff	Ken Ratzman Heidi Jones Richelle Wormley Mary Toogood Joel Leon Kevin Greener Yogesh Doshi David Owen Aliya Khan Eleonora Kats Khawar Kalim Vladimir Korolev Timothy Pagodin Mubin Kathrada Nipul Patel Booker George Ted Chleboski Darshil Bhavsar

### **Meeting Record**

- Michael Egenton made a motion to approve the October meeting minutes; Richard Opiekun seconded the motion. Minutes were approved with a unanimous vote.
- 2021 hearing topic was discussed and decided upon. Topic will be fugitive dust emissions titled “Dust in the Wind: Just a Nuisance or Something More?” The hearing is tentatively scheduled for Wednesday, April 21, 2021 via Microsoft Teams. More information to come.
- Kenneth Ratzman gave a presentation on fugitive dust emissions; the presentation will be posted on the clean air council website.
- Leonard Bielory made a motion to adjourn; Richard Opiekun seconded the motion. Meeting was adjourned at 11:48am.

### **Administrative Report**

*Presented by Kenneth Ratzman, Assistant Director of Air Quality*

1. Global Warming Response Act 80x50 Report – On October 15, 2020, the Department released the Global Warming Response Act 80x50 Report. The report was written in response to the mandate in the Global Warming Response Act, to reduce New Jersey's greenhouse gas emissions by 80% from their 2006 levels by 2050. This report builds on the State's previous efforts to address and reduce greenhouse gas emissions and serves as the third element of a comprehensive plan that evaluates New Jersey's greenhouse gas emissions from both energy and non-energy systems, providing guidance, policies, and regulatory and legislative recommendations to meet the State's GHG emission reduction goals. Copy of the report can be found at <https://www.state.nj.us/dep/climatechange/docs/nj-gwra-80x50-report-2020.pdf>
2. Transportation, Equity, Climate & Health (TRECH) Report – On October 6, 2020, the TRECH research team from Harvard T.H. Chan School of Public Health, Boston University, University of North Carolina, and Columbia released their initial results quantifying the health outcomes and monetized benefits from the implementation of a regional transportation cap-and-invest program. The analysis looked at both health improvements from air pollution reductions and access to improved biking and walking infrastructure and transit from different investment mixes under three caps (20%, 22%, and 25%), as well as how the distribution and magnitude of benefits vary across 3 different types of investments with those caps. Investments include improved transit systems, fuel switching, better access to biking and walking, incentives to purchase EVs, and bolstering EV infrastructure. Top takeaways were that the estimated regionwide health benefits under all scenarios are substantial, particularly in densely populated areas, and larger than estimated program proceeds, for the subset of benefits examined, including up to about 1,000 deaths avoided and nearly 5,000 asthma cases avoided under the top-performing policy scenario in 2032. However, there was nearly a four-fold difference in the estimated health benefits across the various scenarios, underscoring the wide range of possible health outcomes based on implementation choices.
3. New EV Charging Installation Law -- On October 19, 2020, Governor Murphy signed a new law prohibiting common interest communities (i.e., condominiums, coops, retirement communities, vacation timeshares, and other housing developments comprised of individually owned units, in addition to shared facilities and common areas) from adopting rules that prohibit or unreasonably restrict the installation or use of EV charging stations in the designated parking space of a unit owner. The law allows these communities to impose “reasonable restrictions” on the installation and use of EV charging stations, provided that the restrictions do not significantly increase the cost of the charging station or decrease the efficiency or performance of the charging station. This is the second law signed in as many months that addresses EV charging stations in residential communities.
4. TEDx Countdown Initiative Participation – On October 15, 2020, presentations from Air Quality Energy and Sustainability (AQES) staff from the Division of Air Quality and the Division of Climate Change Clean Energy and Radiation Protection were broadcast as part of TEDx Countdown Initiative, a year-long series of TED

Talks on the climate crisis and sustainability. AQES' presentations are part of a NJ-centric event highlighting the Department's work on climate and sustainability.

- a. Gina Gambacorto presented how NJ businesses can engage with various sustainability programs sponsored by the Department, like the Sustainable Business Registry, Sustainable Jersey, WasteWise, and S3 meetings; and,
  - b. Andrea Friedman presented on the electric vehicle revolution in NJ.
5. FY2021 Fee and Threshold Dollar Amount Adjustments – New Jersey's Air Pollution Control Act requires major air facilities to pay an annual emissions fee that is adjusted annually for changes to the Consumer Price Index (CPI). For FY 2021, the CPI-adjusted per ton fee is \$126.59, a 1.46% increase over FY 2020. The Department is also required to publish the threshold dollar amount for reconstruction each November in the same NJ Register notice in which it publishes the annual emission fee. Applying the CPI adjustment of 70.59%, relative to the 1995 CPI, to the base amount of \$80,000 results in the threshold dollar amount of \$136,472 for FY 2021. A facility must use this dollar amount when calculating reconstruction thresholds relative to fixed capital cost. The notice announcing these FY2021 values appeared in the November 16, 2020, NJ Register. Air Quality will mail emission fee invoices by December 31, 2020, as facilities are obligated by rule to pay emission fees by January 31, 2021.
6. Electric School Bus Loaner Project – Applications are now being accepted for the U.S. Department of Energy-awarded Mid-Atlantic Electric School Bus Experience Project. The Project will provide free electric school buses for 6-8-week demos, along with a free charging station, to selected school fleets in Virginia, Maryland, Washington DC, Pennsylvania, and New Jersey over the next two years. Partners in the project include school bus manufacturers and Clean Cities coalitions; NJ Clean Cities Coalition is running the project in NJ.
7. New North Carolina Fumigation Rules -- On November 1, 2020, North Carolina adopted new rules and amendments concerning the use of methyl bromide for log fumigation. Initiated in July of 2018, the rulemaking addresses an increase in North Carolina businesses interested in using methyl bromide, an odorless, colorless gas known to cause neurological and respiratory effects, for log fumigation. Currently, there is no federal air quality requirement for the use of methyl bromide. North Carolina's rule establishes an annual acceptable ambient level (AAL) of 0.0005 mg/m<sup>3</sup> and a 1.0 mg/m<sup>3</sup> 24-hour acceptable ambient level. The annual level is identical to exposure levels used in New Jersey for permitting decisions. New Jersey currently uses a one-hour short term level of 3.9 mg/m<sup>3</sup> but plans to evaluate NC's new short-term ambient level for future permitting decisions. North Carolina's new rule also establishes emission control requirements for log fumigation operations, requiring compliance by December 30, 2020. Impacted facilities must submit permit modifications outlining the needed changes to control measures, monitoring protocols, and recordkeeping.
8. 2nd Offshore Structures Air Permit Application -- On October 10, 2020, EEW Group American Offshore Structures submitted a second air permit application for 4-wire welders, four inner 2-wire welders, four manual welders for repairs, and four banana heaters for the manufacture of monopiles, (base structures for offshore wind turbines). All outer and inner welders operate utilizing submerged arc welding (SAW) technology which has the lowest emissions of any welding process as shown by EPA AP-42 publication covering arc welding. Manual welders used for spot repairs will utilize gas metal arc welding (GMAW) for a limited quantity of wire on an annual basis. The proposed welding operations potential emissions are below reporting thresholds. As this operation would support renewable energy that is integral to the state's sustainable energy goals, Air Quality has prioritized the review of this application as well as the one received on October 3, 2020; staff estimates these reviews will take 60-90 days.
9. Combined Heat and Power (CHP) Permit for Newark Hospital – On November 2, 2020, Newark Beth Israel Medical Center in Newark submitted a preconstruction permit application to add a new stationary reciprocating engine CHP unit to their existing preconstruction permit with three boilers. The proposed CHP would be natural gas-fired generating 1.99 MW of electricity and would be equipped with a selective catalytic reduction (SCR) and a catalytic oxidizer to control emissions of carbon monoxide, oxides of

nitrogen (NO<sub>x</sub>), volatile organic compounds (VOCs), and formaldehyde. The facility has proposed to restrict the annual natural gas consumption for the three boilers and limit fuel oil usage in the boilers to periods of natural gas curtailment, resulting in an overall reduction in annual emissions at the facility. Even with the increase of emissions from the new CHP estimated at 4.0 tpy of NO<sub>x</sub>, the facility's overall emissions total would be reduced from 15.0 tpy of NO<sub>x</sub> to 12.26 tpy of NO<sub>x</sub>.

10. New General Operating Permit – On November 2, 2020, Air Quality announced the availability of a new general operating permit (GOP) for boilers greater than or equal to 10 MMBtu/hr. and less than 50 MMBtu/hr. through publication of a notice in the New Jersey Register and posting on the Department's website. Public comments on a draft of the GOP were reviewed and evaluated, but ultimately no changes were made to the final GOP. Major facilities can obtain the general operating permit by submitting a simple online registration form, in lieu of submitting a modification application, therefore reducing approval time significantly. This general operating permit is part of the air permit program's effort to streamline the process for common permits while still maintaining high regulatory standards.

#### **2020 MEETING DATES & LOCATIONS (tentative)**

January 8	ERM, 200 Princeton South Corporate Centre, Suite 160, Ewing
February 12	STEM building at Kean University, 1075 Morris Ave, Union, NJ 07083
March 11	NJ DEP, 401 East State Street, 6 <sup>th</sup> Floor, Trenton
April 1 *	Public Hearing Postponed.
May 13	Microsoft Teams Meeting.
June 10	Microsoft Teams Meeting.
July 8	Microsoft Teams Meeting.
Thurs. July 30 **	PUBLIC HEARING – Microsoft Teams
August	No meeting.
September 9	Microsoft Teams Meeting.
October 14	Microsoft Teams Meeting.
November 18 **	Microsoft Teams Meeting.
December 9	Microsoft Teams Meeting.
* 1 <sup>st</sup> Wednesday	
** 4 <sup>th</sup> Thursday	

#### **2021 MEETING DATES & LOCATIONS (tentative)**

**Meeting will be 9am – 11:30am, every 3<sup>rd</sup> Wednesday of the month.**

January 21	Microsoft Teams Meeting.
February 17	Microsoft Teams Meeting.
March 17	Microsoft Teams Meeting.
April 21	Public Hearing - Microsoft Teams Meeting.
May 19	Microsoft Teams Meeting.
June 16	Microsoft Teams Meeting.
July 21	Microsoft Teams Meeting. - present report to commissioner (tentative).
August 18	No meeting. (Microsoft Teams Meeting, only if needed)
September 15	Microsoft Teams Meeting.
October 20	Microsoft Teams Meeting.
November 17	Microsoft Teams Meeting.
December 15	Microsoft Teams Meeting.

