

Permits, New Source Review, and Toxics Subcommittee Meeting
EPA Conference Facility – One Potomac Yard
April 2, 2014

Introductions

Bill Harnett, United States Environmental Protection Agency (USEPA or the Agency) and John Paul, Regional Air Pollution Control Agency, welcomed everyone to the Permits, New Source Review, and Toxics Subcommittee meeting of the Clean Air Act Advisory Committee (CAAAC).

Overview of Agenda

Mr. Paul provided an overview of the agenda. He invited members to introduce themselves and explain an air quality issue important to their organization.

Mr. Paul began by explaining the importance of having a national energy policy that outlines individual agency's role in the process. Karen Mongoven, National Association of Clean Air Agencies (NACAA), requested the USEPA implement the CAAAC-recommended improvements to the Title V Program. Lee Kindberg, MAERSK LINE/Maersk Agency USA, suggested harmonizing national standards with global standards (e.g., adopting the metric system). Linda Farrington, Eli Lilly and Company, recommended discussing Prevention of Significant Deterioration (PSD) and New Source Review (NSR) with the lowering of National Ambient Air Quality Standards (NAAQS). Kathryn Watson, Improving Kids Environment, noted the importance of discussing air toxics and their impact on children and prenatal health. Peter Pagano, American Iron and Steel Institute, stated NAAQS implementation issues and modeling tools are issues important to his organization. Phil Wakelyn, Texas Cotton Ginners' Association, requested further discussion on issues relating to modeling versus monitoring. Steve Lomax, Koch Companies Public Sector, LLC, noted the issue of overly conservative air dispersion modeling. Robert Morehouse, Air Permitting Forum, suggested incorporating the topic of permit streamlining into CAAAC discussion. Myra Reece, South Carolina Department of Health and Environmental Control (DHEC), stated state energy policy under any GHG Section 111(d) standard is an important issue.

Cassady Kristensen, Rio Tinto Copper, suggested the subcommittee discuss the issues surrounding NAAQS implementation and the issues surrounding modeling versus monitoring. Gary Jones, Printing Industry of America, stated his organization faces challenges implementing the Reasonably Available Control Technology (RACT) rule for printers. Thomas Huynh, Philadelphia Air Management Services, recommended the CAAAC discuss PM2.5 and ozone. John Busterud, PG&E Corporation, explained their concern of harmonization between federal and state greenhouse gas (GHG) policy. Shelley Schneider, Nebraska Department of Environmental Quality (DEQ), noted her organization faces uncertainty regarding biogenic deferral. Vince Hellwig, Michigan DEQ, suggested the subcommittee discuss strategies to help communicate on air toxic issues with environmental justice (EJ) communities. Don Neal, Southern California Edison, suggested discussing NSR reform. Ann Weeks, Clean Air Task Force, suggested discussing the various regulatory aspects of the upcoming GHG 111(d)

proposed rule. Patricia Strabbing, Chrysler Group, LLC, explained the importance of discussing the Toxic Substances Control Act (TSCA) reforms and harmonization of global car testing procedures. Jalonne White-Newsome, We Act for Environmental Justice (WE ACT), recommended incorporating an equity analysis into State Implementation Plans (SIP). Howard Feldman, American Petroleum Institute, noted the importance of addressing the upcoming GHG and ozone rules. Mary Turner, Waste Management, emphasized the importance of discussing biogenic deferral. Julie Simpson, Nez Perce Tribe, noted her organization faces issues with successful implementation of the tribal SIP.

Update of OAQPS Activities

Tim Watkins

Next Generation Air Monitoring: An Overview of USEPA Activities

[Presentation slides are available at
http://www.epa.gov/air/caaac/pdfs/watkins_caaac_042014.pdf.]

Mr. Harnett and Mr. Paul thanked Tim Watkins, USEPA, for the presentation. They invited committee members to ask questions.

Ms. Schneider asked if USEPA has plans to use similar monitoring tools for sulfur dioxide (SO₂). Mr. Watkins responded that the sensors have not been used for SO₂ monitoring, but there may be an application in the future.

Mr. Wakelyn asked how the Agency will handle uncertainty since the monitors do not recognize uncertainties. Mr. Watkins acknowledged the sensors are currently “fit for purpose.” He noted that the monitors do have uncertainty, but can still provide value for general awareness purposes. He stated that communicating air quality levels to the public is a goal of the monitors. Mr. Wakelyn commented that measuring particulate matter (PM) is challenging because, based on what particulates are being measured, the results can differ. He asked how the Agency will handle measuring PM_{2.5} and eliminating other particles. Mr. Watkins was unaware of a sensor that is able to have that exact measure.

Mr. Morehouse commented on the education aspect (for the public and regulators) of implementing air monitoring sensors. Mr. Watkins acknowledged Mr. Morehouse’s comment and confirmed that education outreach will be a critical part of monitoring sensor technology.

Mr. Feldman referenced a similar presentation and discussion took place at the Clean Air Scientific Advisory Committee (CASAC). He stated that final ozone data from 2013 has not been published. He asked if there is a way to make the data available in a more timely matter. Mr. Watkins replied that USEPA is working towards developing a method to “certify” that sensors are working. He noted USEPA is discussing the idea of publishing what the Agency considers “usable parameters” given a certain application. Mr. Harnett stated he would check on the schedule for the release of 2013 ozone data.

Ms. Watson asked for more details regarding the grant program for community sensors. Mr. Watkins replied the grant program is planning on releasing applications later this year.

Ms. White-Newsome inquired if the monitoring technologies can be used indoor. Mr. Watkins confirmed that monitoring technologies can be used indoor. Ms. White-Newsome asked what the intended audience is for the annual workshop in June. Mr. Watkins explained the workshop is intended for anyone who is interested in monitoring technology (e.g., academics, communities, technical professionals, vendors).

Mr. Paul emphasized the use of applications for smart phones to address criteria pollutants. He suggested creating a personal monitor with volatile organic compounds (VOCs) and toxic measuring capabilities. Mr. Watkins supported Mr. Paul's suggestion. The Agency is looking into developing a network of urban area monitors that connect smart phone users to the closest monitor.

Ms. Reece commented that South Carolina is one of four state agencies that link environment and health. She offered her assistance to Mr. Watkins regarding the cross-agency workgroup on air monitoring messaging.

Mr. Harnett provided a general overview of the Agency's current collaboration with the National Aeronautics and Space Administration (NASA) to develop equations that attempt to estimate PM levels in different geographic based on images from space. The Agency is looking to measure air quality in places without air quality monitors through the use of satellites.. NASA is collaborating with the Smithsonian Astrophysical Observatory to develop plans to launch a tool on a geo-stationary satellite that measures air quality. The instrument is called the Tropospheric Emissions: Monitoring of Pollution (TEMPO) Mr. Harnett noted the plan is to begin the program in 2018.

Ms. Simpson asked for additional information regarding location of the monitors on the park bench. Mr. Watkins responded the measurements are taken at the top of the bench (between 3 and 4 feet).

Mr. Harnett and Mr. Paul thanked Mr. Watkins for the presentation.

Anna Wood
NAAQS and Other CAA Implementation Updates

[Presentation slides are available http://www.epa.gov/air/caaac/pdfs/awood_caaac_042014.pdf]

Anna Wood, USEPA, presented the NAAQS update (slides 1-19).

Mr. Harnett and Mr. Paul invited committee members to ask questions.

Mr. Paul began the discussion by noting the difficulty states face in achieving standards when the Agency continues to set new standards with each revised standard leading to the redesignation of

areas that had previously been determined to be clean. Ms. Wood replied USEPA was mindful of the impact of redesignations for states.

Ms. Schneider commented that, as NAAQS standards continue to be set lower, states are facing challenges when addressing exceptional events. Ms. Wood explained that the Agency announced last year that they were working on updating the exceptional events rule and that effort was ongoing.

Mr. Johnson commented on the PM_{2.5} NAAQS requirement and he asked Ms. Wood to provide more information on next steps on regional haze. Ms. Wood replied that the USEPA is at the end of the planning period for the first 10-year period and is discussing whether to provide guidance on the expectations of what would be acceptable for reasonable progress goals and controls for the next 10 year period. Ms. Wood noted the Agency will be briefing Janet McCabe, the acting OAR Assistant Administrator over the next few weeks.

Mr. Jones asked for clarification on the ozone NAAQS. Ms. Wood explained that the designations for the 2008 ozone NAAQS have been completed. The Agency was unsuccessfully challenged to reopen the 2008 ozone NAAQS. Mr. Jones requested clarification on the PM_{2.5} Prevention of Significant Deterioration Modeling Guidance. Ms. Wood responded the PM_{2.5} guidance is being done by the Air Quality Assessment Division in the Office of Air Quality Planning and Standards (OAQPS) and she would check the status. The guidance was issued May 20, 2014.

Mr. Feldman asked if the Agency reviews the planning and proposal documents of NAAQS to evaluate how close the predictions were to the actual measurements. Ms. Wood responded that USEPA reviews new data to evaluate the effectiveness of the models and to determine which states are in attainment and non-attainment.

Ms. Wood gave an update on the status of Cross State Air Pollution rule. She mentioned that EPA was awaiting a decision by the Supreme Court on the rule. Mr. Paul asked what the levels of PM_{2.5} are in the Region 4 area. Ms. Reece explained the levels of PM_{2.5} are low in South Carolina. Mr. Paul suggested incorporating maps depicting air quality trends into future Agency presentations at the subcommittee meetings. Ms. Wood discussed the ongoing work to address if there was a need for addressing ozone and PM_{2.5} transport in the western U.S.

Ms. Wood continued her presentation on other CAA updates (slides 20-38).

Mr. Harnett and Mr. Paul invited committee members to ask questions.

Mr. Morehouse asked if the Agency has received any applications for Plantwide Applicability Limit (PAL) for GHG under Step 3 of the Tailoring Rule. Ms. Wood responded there are some sectors that have submitted applications for PALs.

Mr. Lomax asked when the Agency anticipates issuing the condensable PM test interim guidance. Ms. Wood responded the guidance is going through final review and the Agency should issue the guidance within the next few weeks.

Ms. White-Newsome asked if meeting Executive Order (EO) requirements take into account EJ concerns. Ms. Wood responded USEPA has a process in place that evaluates EJ implications for any rulemaking. There is an office within OAQPS that is the lead on EJ issues. Ms. White-Newsome commented on the Agency's action of removing rulemaking notices from newspapers. Ms. Wood explained that states have reported the high cost of having newspaper notices. With technology advancing, USEPA is attempting to streamline information and reallocate resources. Ms. Reece noted in South Carolina an extraordinary amount of money is spent on newspaper advertisements. Mr. Hellwig explained that most newspapers in Michigan do not offer daily delivery. Ms. White-Newsome suggested advertising in local, lower cost newspapers to ensure stakeholders are aware of rulemakings.

Mr. Harnett and Mr. Paul thanked Ms. Wood for the presentation.

Topics and Next Meeting

Mr. Harnett invited participants to suggest topics for upcoming meetings.

Mr. Johnson suggested discussing the topic of regional haze at the next subcommittee meeting. Ms. Farrington suggested having another discussion on how USEPA and states plan to evaluate data from roadside monitors. Ms. Schneider suggested the topic of stationary source ozone modeling. Mr. Huynh suggested the issues of emergency generators and coal power plants that use cap-and-trade as future meeting topics. Mr. Lomax requested the USEPA provide an update on the schedule for efforts to improve emission factors. Mr. Harnett replied that the Agency is under litigation regarding the need to be updating hazardous air pollutant emission factors. Mr. Harnett encouraged members to email possible subcommittee topics to him. Mr. Harnett and Mr. Paul thanked subcommittee members for attending and adjourned the meeting.

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Permits, New Source Review, and Toxics Members

John Busterud	PG&E Corporation
Pamela Faggert	Dominion Resources Inc.
Linda Farrington	Eli Lilly and Company
Howard Feldman	American Petroleum Institute
Bill Harnett	United States Environmental Protection Agency (USEPA)
Vince Hellwig	Michigan Department of Environmental Quality (DEQ)
Thomas Huynh	Philadelphia Air Management Services
Dan Johnson	WESTAR Council
Gary Jones	Printing Industry of America
Lee Kindberg	MAERSK LINE/Maersk Agency USA
Cassady Kristensen	Rio Tinto Copper
Steve Lomax	Koch Companies Public Sector, LLC
Karen Mongoven	National Association of Clean Air Agencies (NACAA)
Robert Morehouse	Air Permitting Forum
Don Neal	Southern California Edison
Peter Pagano	American Iron and Steel Institute
John Paul	Regional Air Pollution Control Agency
Myra Reece	South Carolina Department of Health and Environmental Control (DHEC)
Alan Rush**	USEPA
Shelley Schneider	Nebraska DEQ
Julie Simpson*	Nez Perce Tribe
Patricia Strabbing	Chrysler Group, LLC
Mary Turner*	Waste Management, Inc.
Phil Wakelyn	Texas Cotton Ginners' Association
Kathryn Watson	Improving Kids Environment
Ann Weeks	Clean Air Task Force
Jalonne White-Newsome	We Act for Environmental Justice (WE ACT)
Joy Wiecks	Fond du Lac Reservation

*Indicates subcommittee members who participated via telephone

**Indicates Designated Federal Officer

Members of USEPA and Public

Beverly Banister	USEPA
Barbara Bankoff	Bankoff Associates
Jenny Craig	USEPA
Jessica Coomes	BNA
Julie Domike	Kilpatrick Townsend
Pam Giblin	Baker Botts
Steve Hagle	Texas Commission on Environmental Quality (CEQ)
John Kinsman	Edison Electric Institute
Stuart Parker	Inside Washington Publishers
Clara Maria Poffenberger	Bingham McCutchen LLP
Leslie Ritts	The Ritts Law Group, PLLC
Tim Watkins	USEPA
Anna Wood	USEPA