

BOARD MEETING DATE: September 7, 2018

AGENDA NO. 25

REPORT: Stationary Source Committee

SYNOPSIS: The Stationary Source Committee held a meeting on Friday, August 17, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Ben Benoit, Chair
Stationary Source Committee

LT:eb

Committee Members

Present: Mayor Ben Benoit/Chair (videoconference), Dr. Joseph Lyou/Vice Chair, Mayor Pro Tem Judith Mitchell (teleconference), Supervisor Shawn Nelson (videoconference), Supervisor Janice Rutherford (videoconference)

Call to Order

Chair Benoit called the meeting to order at 10:30 a.m.

INFORMATIONAL ITEMS:

1. Summary of Proposed Amended Rule (PAR) 1135 – Emissions of Oxides of Nitrogen from Electricity Generating Facilities

Michael Morris, Manager/Planning, Rule Development and Area Sources, presented a summary of Proposed Amended Rule 1135 – Emissions of Oxides of Nitrogen from Electricity Generating Facilities. Dr. Lyou asked why there are separate categories and limits for simple cycle and combined cycle turbines. Mr. Morris responded that there are differences in the design and the BARCT analysis was specific to the different categories. Dr. Lyou wanted to clarify that the special consideration for the low-use units and equipment close to BARCT emissions limit were not exemptions, but that lower limits for these units are not cost-effective. He expressed concern that low-use units have higher limits and will be used on the hottest days with bad air quality. Dr. Lyou asked for clarification on what Proposed Amended Rule 1135 would require from the electric power generating units on

Santa Catalina Island. Susan Nakamura, Assistant Deputy Executive Officer/Planning, Rule Development and Area Sources, clarified the three options for this facility. Dr. Lyou asked if there are BARCT limits for PM2.5. Michael Krause, Manager/Planning, Rule Development and Area Sources, responded that Proposed Amended Rule 1135 is a landing rule for NOx RECLAIM. Dr. Laki Tisopulos, Deputy Executive Officer/Engineering and Permitting, added that PM2.5 is considered during the permitting process. Dr. Lyou requested an estimate of the amount of PM2.5 that will be generated with the increased use of ammonia and asked if there are any technology forcing BARCT limits in the proposed rule. Mr. Morris responded that staff will estimate the PM2.5 emissions from ammonia and that the proposed limits are not technology forcing. Supervisor Nelson expressed concern about rate payers on Santa Catalina Island with the conversion of the diesel internal combustion engines. Mr. Morris explained that the costs would be spread across all Southern California Edison rate payers and Mr. Tom Gross of Southern California Edison confirmed.

Mr. Gross commented that Santa Catalina Island is a unique situation due to the fact that it is an island without road access. Southern California Edison is currently going through their Integrated Resource Plan process and looking at alternative generation sources, such as solar; solar with storage; and undersea cables. U.S. EPA is possibly funding a study for the solar project. Mr. Gross said that Southern California Edison needs one year to determine which technology to pursue and additional two years for regulatory approval. Southern California Edison is requesting more time for their project. Dr. Lyou followed up with questions for Southern California Edison about the proposed timetables and stated he is comfortable with the current timetables in the proposed amended rule, but would like to see some flexibility if additional time is needed. Mayor Benoit agreed that Dr. Lyou's approach was fair. Mr. Karl Lany of Montrose Air Quality Services discussed the difference between simple cycle and combined cycle turbines and the need for the different categories and emission limits.

2. Status Report on Reg. XIII – New Source Review

William Thompson, Senior Engineering Manager, Engineering and Permitting, gave a status report on Regulation XIII, specifically the final determination of federal equivalency of the SCAQMD's New Source Review Program (NSR) for Calendar Year 2016.

U.S. EPA requires that a semi-annual aggregate demonstration be made to ensure that the SCAQMD NSR program is equivalent to, or more stringent than, the federal NSR program. SCAQMD Rule 1315 establishes the accounting methodology used in the demonstration of NSR equivalency. The SCAQMD tracks both credits to and debits from the SCAQMD's internal offset accounts on an annual basis, by pollutant, and maintains an annual running balance of all such events. The final running

balance for calendar year 2016 effectively demonstrates a preliminary determination of equivalency of the SCAQMD NSR program to the federal NSR program for that calendar year. Additionally, the projected ending balances for both calendar years 2017 and 2018 are positive, demonstrating that equivalency is projected for both of those calendar years.

An additional requirement contained in the rule is that cumulative emissions from all sources be below thresholds contained in the CEQA document which evaluated Rule 1315. For calendar year 2016, cumulative net emissions were below those thresholds. Additionally, projected amounts were below thresholds for 2017 and 2018.

Mayor Pro Tem Mitchell commented on the table of the federal offset account balances showing the NOx balance surpluses and suggesting that they could be available for RECLAIM facilities exiting the program.

Mr. David Rothbart, representing the Southern California Alliance of Publicly-Owned (SCAP) Treatment Works, commented that the NOx balance was declining while the balances for the other pollutants are increasing. Mr. Thompson explained that the NOx balances were discounted to BARCT levels based on recent adopted rule amendments. The balances change according to permit activities during the review period. The CO balance for calendar year 2016 increased greatly due to shutdown of equipment at two power plants and a cement company.

3. Update on the 2016 AQMP Control Measures for Underfired Charbroilers and Commercial Cooking Equipment

Mr. Tracy Goss, Manager/Planning, Rule Development and Area Sources, provided a briefing on recent research efforts for underfired charbroilers and other commercial cooking equipment. Dr. Lyou inquired if Proposed Rule 1138 will contain measures to control NOx and PM when brought to the Board next year. Dr. Lyou appreciated staff's considerations for small businesses. He stated his concern for emissions of polycyclic aromatic hydrocarbons (PAHs) and the importance of minimizing PAH emission and exposure. He also asked if it would be possible to sample indoor air quality of restaurants and educate them about air flow and the harmful nature of PAHs. Mr. Goss confirmed that the proposed rule will have provisions to limit NOx and PM. Mr. Bill LaMarr, California Small Business Alliance, commented on the possibility of staff considering lowering fat content of processed raw meats as a possible method of lowering emissions of PM and PAHs.

OTHER MATTERS:

4. Other Business

There was no other business.

5. Public Comment Period

Florence Gharibian, Del Amo Action Committee, commented that Rule 1469 - Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations, is not ready to go to public comment or public hearing. She commented that the rule is confusing, poorly organized, and difficult to determine what the rule requires. She stated that there is not a threshold level of safety for hexavalent chromium. Ms. Gharibian raised several other issues, including executive officer discretion, rule complexity, definition of sensitive receptors, and fume suppressants and will provide written comments as well.

6. Next Meeting Date

The next Stationary Source Committee meeting is scheduled for Friday, September 21, 2018.

Adjournment

The meeting was adjourned at 11:30 a.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT STATIONARY SOURCE COMMITTEE

Attendance – August 17, 2018

Mayor Ben Benoit (videoconference)	SCAQMD Governing Board
Dr. Joseph Lyou.....	SCAQMD Governing Board
Mayor Pro Tem Judith Mitchell (teleconference)	SCAQMD Governing Board
Supervisor Shawn Nelson (videoconference)	SCAQMD Governing Board
Supervisor Janice Rutherford (videoconference)	SCAQMD Governing Board
David Czamanske	Board Consultant (Cacciotti)
Ron Ketcham	Board Consultant (McCallon)
Andrew Silva	Board Consultant (Rutherford)
Chuck Casey	Riverside Public Utilities
Florence Gharibian	Del Amo Action Committee
Tom Gross	Southern California Edison
Bill LaMarr	California Small Business Alliance
Karl Lany	Montrose Environmental
Rita Loof.....	RadTech
Krishna Nand.....	Environmental Management Professionals
Bill Pearce	Boeing
David Rothbart	Los Angeles County Sanitation Districts
Susan Stark	Andeavor
Kim M. Yapp.....	Pasadena Water & Power
Barbara Baird.....	SCAQMD staff
Amir Dejbakhsh.....	SCAQMD staff
Bayron Gilchrist	SCAQMD staff
Tracy Goss.....	SCAQMD staff
Susan Nakamura	SCAQMD staff
Matt Miyasato.....	SCAQMD staff
Mike Morris.....	SCAQMD staff
Laki Tisopulos	SCAQMD staff
Mike Wickson	SCAQMD staff
Kim White	SCAQMD staff