

Air Quality Advisory Committee Meeting

Meeting Minutes: September 16, 2020 Meeting

Next Meeting

November 19, at 6:00pm. Location TBD, will be posted to the website once confirmed

Attendees

1. Members present:
 - a. Julie Layshock
 - b. Mark Mueller
 - c. Robert Bailey
 - d. Stephanie Shanley
 - e. Tom Wood
 - f. Tori Heroux
2. Facilitator:
 - a. John Harland

Meeting Minutes

1. Members of the AQAC introduced themselves. Members in attendance listed above. Because of Covid 19, the meeting was conducted virtually with no physical presence
2. Facilitator John Harland thanked community members for joining the meeting virtually. Preview of meeting agenda shared.
3. Recap of previous meeting provided.
 - a. Rafe Christopherson of Intel reviewed the items specified in the Good Neighbor Agreement. Rafe announced that he had taken a new position at Intel and will no longer be giving the quarterly reports
 - b. Annual 2019 Air Permit Compliance and Emissions Report was submitted to Oregon Department of Environmental Quality in March as specified in the permit
4. Community Opens
 - a. A community member asked what actions Intel has taken to reduce small particle emissions during the poor air quality caused by wildfires.
 - i. Stephanie Shanley, Intel, indicated Intel has a requirement to not run emergency generators during these types of events. Intel's workforce is the top priority. Manufacturing runs at normal levels, but restrictions have been put in place on outdoor activities and safety teams have done analysis on the appropriate PPE needed.
5. AQAC Opens
 - a. No AQAC member comments
6. Good Neighbor Agreement Items Update:
 - a. Cassandra McMaster, Intel, reviewed the information in the meeting presentation materials, which can be found on the AQAC web site: www.ORAQAC.com.
 - b. Stack testing Overview

- i. Intel uses stack testing to determine compliance with air permit limits, to determine the control efficiency of its Rotary Concentrator Thermal Oxidizers, and to determine emission factors for oxides of nitrogen (NO_x) and carbon monoxide (CO) for emission calculations as well as to determine compliance with air permit Best Available Control Technology (BACT) limits.
 - ii. As requested at the April meeting, Cassandra McMaster, Intel, reviewed the process for emissions testing and showed how stack flow rates and pollutant concentrations measured using EPA and DEQ approved methods are used to develop emissions rates. The methods require calibrations and post-test checks to ensure accuracy. Sampling ports, testing equipment and calibration were reviewed.
 - c. Cassandra also discussed the items specified in the good neighbor agreement for review at each meeting
 - i. The stack testing plan for the balance of 2020: Complete recurring RCTO stack testing for D1X-RCTO-5 and at Aloha (F15) units 1 & 2. Also. the initial RCTO stack testing of Aloha (F15) unit 3. Generally, any AQAC member is invited to witness the third-party stack testing on the Intel site, but due to Covid-19 precautions, visits are severely restricted.
 - ii. Continuous Emission Monitoring System Overview. Rotary Concentrator Thermal Oxidizers are used to control emissions of volatile organic compounds through combustion, of which temperature is a key factor. Intel has alarms to identify instances where temperatures are outside of the designated range. Intel has wet scrubbers that are used to control emission of acid gases. Water flow rates and pH are key factors in this process.
 - iii. Continuous Emission Monitoring Reporting: Regarding the chart, blue is the number of alarms, and orange is the number of hours the alarm lasted.
 - iv. DEQ Submittals: Emission factor (EF) update of HF EFs based on recent stack testing event were submitted on August 28, 2020 – DEQ approval was received on August 31st.
 - d. A community member asked why did you choose that method [RM25A] to measure VOCs and not FTIR?
 - i. Cassandra McMaster, Intel, noted FTIR is great at measuring individual species. Individual species have detection limits. When we want to know totals, we use the RM25A.
 - e. A community member noted it would be helpful to the public attending the meeting to have an overview of Intel's staffing structure for managing air emission issues to supplement the technical information provided in the stack testing update.
 - f. Robert Bailey requested the AQAC present highlights and milestones of the AQAC team's work over the last five years for the public at the next meeting.
- 7. Agenda for Next Meeting
 - a. The next meeting was originally scheduled for Nov 4, the day after election day. It was decided to change this date to November 19, starting at 6:00pm. Meeting details will be announced and posted on the AQAC web site www.ORAQAC.com
 - b. Proposed agenda items

- i. Standing agenda items:
 - 1. Update
 - 2. DEQ Submittals
 - 3. Stack Testing Update,
 - 4. Project Update

8. *Meeting adjourned*

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