

**WRAP – Oil and Gas Work Group
Call Agenda (& Notes)**

Tuesday, August 11, 2020 (90 minutes)
10:00 am (AK), 11:00 am (PT), Noon (MT), 2:00 pm (ET)

1. Welcome/Roll Call (*Darla Potter*)

- a. Note Taker Amanda Brimmer

Attendees: Darla Potter-WY, Amanda Brimmer-RAQC, Dale Wells-CO, Curt Taipale-CO, Molly Birnbaum-AK, David Stroh-ND, Debbie Miller-NPS, Ann Mebane-FS, Brian Davis-FS, Catherine Collins-FWS, Kevin Briggs-CO, Mary Uhl-WRAP, Tom Moore-WRAP, John Grant-Ramboll, Mark Jones-NM, Jeff Vukovich-EPA, Melissa Hovey-BLM, Ryan Templeton-AZ, Chris Hurley-CARB, Amnon Bar-Ilan-Ramboll, Kirsten King-NPS, Roslyn Higgin-NM

2. Review Agenda (*Darla Potter*)

3. Announcements/Updates

- a. National Oil & Gas Emissions Committee Information Repository [<http://vibe.cira.colostate.edu/ogec/home.htm>] (*Tom Moore*)

Wiki page that has lot of information. NOGEC is an open group, meets monthly on 2nd Thursday, let Tom know if you want to join in. Work with OAQPS trying to continue to improve NEI and modeling platforms. Repository is designed to capture presentations, information, and publications as well as discussions. Let Tom or Shawn McClure know if you want to add info to Repository.

- b. WRAP Regional Haze Workplan Completion and Results Meeting series [Webinars recorded and posted May 19 & 20, June 23 & 25, July 23 & 30, August TBD (*Tom Moore*)

<http://www.wrapair2.org/RHPWG.aspx> - Presentations were all recorded for review. Agendas have links to presentations. Contact Tom if a presentation isn't linked. These were 3-hour meetings.

May 19 – Monitoring data results

May 20 – Emissions data posted on TSS – robust tools to look at data

June 23 – Modeling results

June 25 – Modeling methodology and how runs were done

July 23 – E-guidance documents and work products from TWG, continuing modeling progress including int'l emissions and prescribed fire.

July 30 – TSS delivery of all the data and information displayed, reshow results so far

Another to be scheduled later in August to present products from the Tribal Data WG. There will also be some remodeling done, which will be presented end of Sept and into Oct.

- c. WRAP TSS Status Update [<https://views.cira.colostate.edu/tssv2/>] (*Mark Jones*)

Don't have dates for new modeling runs, but early Oct. is anticipated when info may be available. On TSS, quite a bit of information currently posted including background information on monitoring and trends. Waiting on modeling results to create graphs. Effort to get data on TSS as soon as it is available.

- d. Other announcements from work group members/advisors

None

4. WRAP/WAQS Modeling Platform - Additional BLM-supported Emissions Inventory and Source Apportionment Work (*Tom Moore*)

Partnering management of this between Tom and Melissa. This is a project under the IWDW and is intended to extend the Regional Haze Modeling Platform work going on right now. Started work to build information needed for modeling that will follow the RH modeling. Couple of paths where BLM has helpful insight to take work from OGWG and allocate it into federal, tribal, and private mineral ownership and assumed assumptions for the future of what areas in the various OG basins that federal OG leasing would continue. Ramboll is working through provided spreadsheets from BLM to then use in inventories prepared by John and Amnon for ozone and PM source apportionment modeling subsequent to Regional Haze. So can tag mineral designations for O&G and perhaps other minerals. Provides sensitivity analysis on federal contributions, tribal, and then private mineral owners and what would be the AQ impacts. Concept is to provide a "special report" to do a direct comparison to the RH source appt. that did not have mineral designations for air quality impacts from federal mineral leasing. Like won't be completed until later; 4+ months or so. To be useful tool for land managers to understand AQ contribution.

Second idea: BLM does work on NEPA. Need to be able to take into account oil and gas development. Analyses are usually assembled by BLM state offices. After first round of RH work, will hopefully be able to scope out results land managers can use for ongoing for NEPA work.

Will put this on the OGWG Dec. agenda to hopefully discuss results.

5. Track Oil & Gas Sector and Keep Up To Date (*Mark Jones*)

- a. Agency Roundtable: State, Federal, Local, Tribal
 - i. Initiatives / Rulemaking changes
 - ii. Market downturn impacts

iii. 2nd Additional Reasonable Controls

NM – Mark Jones: NMED has a lot going on. Most recent dev. Is a draft methane and precursor rule done end of last month – EO by Gov. Taken priority over RH. As written, includes overlap with most OG equipment. Sources being eval for RH; RICE, turbines, boilers and flaring. Still a draft and may be more stringent than looking at for RH. ii. Some employees being let go. Contractors are struggling too. Hard to market in field. Large refinery (26M bbls/day) will be closing at end of the year. iii. Talking to sources. 4-factor analysis is leaning towards Low Emissions Controls, NSCR, Low NOx combustion controls. Case by case – considering some controls or management gas plans for sulfur rich flaring.

AK – Molly: Working on survey form for O&G for the NEI for non-point sources. Rulemaking – slow steady decline in state for a while. New tax initiation being considered in Nov. Waiting to see what happens. Lots of workovers happening.

ND – David: Don't have any new big initiatives outside of RH that would be driving OG. Most recent change is they recently adopted NSPS OOOO & OOOOa. During last leg session, legislatures recommend they take primacy for the rules and soon our agency will be the enforcer of those rules. Market impacts are still be determined. Lots of rigs stopped in the spring due to the turndown in production. Allowed us to meet our gas capture in the state due to decrease in flaring. Now discussions are surrounding how do we continue to meet that with more drill rigs coming back on line. For OG point sources, we are evaluating from a 4-factor to see if we need to do anything to help visibility in class one area. Not strongly looking at controls for non-point right now, but not off the table.

AZ – Ryan: Not much O&G production. Have a couple of compressor stations in the state that are point sources performing 4-factor analysis on. Leaning towards LEC on one for RICE engines, but not finalized.

CO – Curt: i. in Dec. CO proposed rules on O&G reporting (reg. 7). Effects upstream and downstream sector on providing estimates on est. on all emissions (mostly related to GHG). Started recording in July 2020, and start reporting next year. Similar to WY spreadsheet, with more GHG focus. ii. Seen quite a turnaround in drilling activity – only ~5 rigs in state. Production down about 25% in state. iii. Probably are going to have a scenario we want to look at, but probably not by Sept. 10th. RH split into 2 parts. Some retirements and other controls in Jan. 2021.

WY – Darla: i. working on field study and dev. Of “WY pond emissions calculator – WYPEC”. Study based on water and air quality samples and working to develop this calculator to est. emissions with oil field water waste disposal ponds. Outreach underway for implementation. No de minimus for NSRP permitting program. Working on changes to WY guidance for industry and will be taking industry input. Will assist with permitting program and implementation for EI as well. Reach out to Darla for more info. ii. WY had last working rig laid down earlier in Aug. Total rig count is 0; only 2nd time in 136 year that has happened.

Very sign. Impacts of market downtown. Sign. Budget shortfall in state, and nothing is protected from cuts including staff. Leg. Will be holding a short legislative session. Next session will be much more about budget in a non-budget year.

FS – Brian: i. Hopeful 220e reg will be released in FR. ii. Afraid whether areas there are vacancies will be filled.

BLM – Melissa: waste prevention rule – action in July. Rule has gone back and forth since 2016 in litigation. July judgment vacated 2018 rule, so on Oct. 13, old 2016 rule will go back into effect. But all may be a moot point depending on other litigation in Wy that will come out in Sept. The 2018 rule is in effect from July to Oct. The 2016 rule has 4 additional requirements on federal lands. Reduce routine venting, control on pneumatics, LDAR.

6. Next Steps & Planning for Next Calls (*Mark Jones*)

a. Next Call December 8, 2020

10:00 am (AK), 11:00 am (PT), Noon (MT), 2:00 pm (ET) – 90 minutes

Volunteer Call Note Taker – Darla Potter

- Track oil & gas sector and keep up to date via roundtable
- Topic specific updates

b. Website Posting OGWG Materials – www.wrapair2.org/OGWG.aspx