

WRAP – Oil and Gas Work Group - Call Notes

Tuesday, April 14, 2020 (90 minutes)

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

1. Roll-call:

Participants: Amanda Brimmer, Molly Birnbaum, Curt Taipale, Dale Wells, Kira Shonkwiler, David Stroh, Angela Seligman, Mark Jones, Rosalyn Higgin, Darla Potter, Sharay Dixon, Erik Vernon, Melissa Hovey, Aaron Worstell, Jeff Vukovich, Brian Davis, Catherine Collins, Tim Allen, Debbie Miller, Andrea Stacy, Kirsten King, Kevin Briggs, Mike Barna, Tom Moore, John Grant, Amnon Bar-Ilan

Note Taker: Mark Jones

2. Agenda Review by Amanda Brimmer

3. Integration Status Report for WRAP OGWG Base and Future Year Emissions Inventories in National Collaborative Platform (Jeff Vukovich (EPA))

Presentation by EPA on the OGWG webpage: <https://www.wrapair2.org/OGWG.aspx>

Jeff Vukovich offered to communicate further, email is best at this point in time with teleworking Vukovich.Jeffrey@epa.gov

- a. The presentation shows a comparison of the EPA 2016 and future year modeling platform EIs to the WRAP 2014 and representative baseline and future year modeling inventory platforms.*
- b. Please note: the EPA technical support document says "Further improvements in emissions inputs, boundary conditions, and model chemistry may help improve model performance in specific regions, particularly in the Northern Rockies and Plains, Northwest, West, and the Southwest."*
- c. Slide 3 showing comparisons.*
 - Large differences mostly for ND and NM*
- d. Comparisons*
 - Exploration activity different for the two years*
 - The presentation tries to discuss the differences in sectors*
 - SCC and NAICs*
 - Many other differences*
 - Fundamental differences in inventory construction for region and several states compared to EPA platform. This was integrated into the 2016 platform as a "modular option" for the 7 WESTAR-WRAP region states affected, within the collaborative platform. Directions for modelers using the 2016v1+projections inputs for O&G in those states will be provided.*
 - WRAP inventory higher SO₂ and NO_x.*
- e. A Paper on comparison of the two inventories would be useful and informative*
 - West challenges: One size does not fit all*
 - No "correct" oil and gas inventory*
- f. Fundamental differences between the WRAP O&G Inventories and Collaborative Platform O&G Inventories*

- WRAP 2014 inventory represents a period in time rather than a specific year (bottom-up including survey results to improve the data)
 - Collaborative Platform uses EIA and is broader brush than the WRAP inventories
 - EPA O&G Tool not always a good representation of O&G emissions
- g. Appreciation expressed for EPA's careful look at the WRAP O&G inventories. Thank you EPA for packaging the O&G inventories for use in the modeling platform.
- h. Info and WESTAR-WRAP region data for use with the 2016v1+projections collaborative modeling platform to be uploaded to the IWDW for use in comparisons.

4. OGWG Road Map Phase II Work Product Finalization (Darla Potter)

a. Task 3 - Forecast Scenarios (Additional Reasonable Controls) – Approved by consensus

- Work products completed thank you to work group and consultant Ramboll

b. State Agency Roundtable:

Please discuss how your agency may use the OGWG Additional Reasonable Controls Task work products (e.g., Did you use the ARCS memo/spreadsheet in helping you to develop your potential additional controls for this round or are you planning to use something like this for the future?).

- WY: Following EPA Guidance and RHPWG Control Measures Work Group for source specific evaluation and 4-factor analyses for 20 facilities of which two are O&G downstream related. WY is interested in how other agencies may use OGWG ARCS and how industry is able to implement in this round of RH SIPs.
- NM: Our RH team used the Four-Factor analysis submittals by industry (posted on our RH website <https://www.env.nm.gov/air-quality/reg-haze/>, additional info submitted by sources and the ARCS memo as a starting point for our Potential Additional Controls (PAC) work. We evaluated information for our screened point sources on an equipment by equipment basis and used a customized version of the ARCS spreadsheet as a format for collecting information and developing our submittal to WRAP on the PAC scenario #1. We are now revisiting consultation with our screened industry sources on the PAC scenario #1 to get additional information and discuss our preliminary analysis. The four-factor analysis is still in development / progress and all of the information in our first PAC scenario #1 is very preliminary and not a commitment by NMED.
- CO: Shared about taking a similar approach to WY (19 sources 4-factor analyses) and also looking separately at oil and gas engines over 1,000 hp in REG 7. CO has shared some information on previous work in round 1. Nonpoint area sources are a significant source of NOx emissions – the Division discussing the appropriate threshold for the engine emissions standard.
- ND: Significant point source facilities undergoing 4-factor analyses. Debating what to do for nonpoint (e.g., upstream wells). CO work on engine emission standard may be of interest.
- AK: [Technical difficulty during call, the following was sent via email for inclusion in the call notes.] Liked NM approach with the Ramboll worksheet. AK hasn't populated it yet but plans to. AK mostly focusing on a sector analysis instead of specific facilities and the tool will be helpful.

5. OGWG Self-Assessment (Darla Potter) –

[Note: Due to time limitations on the call to be followed up with in call notes.]

On the February 11, 2020 OGWG Bi-Monthly Call Tom Moore spoke to the need for an OGWG Self-Assessment to think ahead to needs in the upcoming year and provide feedback to the WRAP-TSC. The OGWG Co-Chairs sought input from OGWG members/advisors via email by March 13, 2020.

Based on input, the OGWG presented the following on the March 25, 2020 WRAP TSC/Work Group Co-Chairs call as the “Proposed Future Oil and Gas Projects”

- ❖ Extend period of performance Ramboll contract (e.g., state specific assistance)*
- ❖ Annual compilation of agency program review (i.e., capture regulatory changes)*
- ❖ Potential for contractor specific support needs as identified and funded*
- ❖ Future OGWG Communication Calls (every 4 months: August 11, December 8)*
 - Track oil & gas sector and keep up to date via roundtable*
 - Topic specific updates (e.g., BLM analyses using WRAP/OGWG work products)*
 - Identify additional WRAP assistance*

6. Next Steps & Planning for Next Calls

- a. Next Call August 11, 2020 - 10:00 am (AK), 11:00 am (PT), Noon (MT), 2:00 pm (ET) – 90 minutes Volunteer Call Note Taker – Amanda Brimmer
 - Track oil & gas sector and keep up to date via roundtable
 - Topic specific updates - BLM Additional Source Apportionment Work
- b. Website Posting OGWG Materials – www.wrapair2.org/OGWG.aspx