

WRAP – Oil and Gas Work Group Meeting Notes - Monday, April 09, 2018

1. Welcome/Introductions (Amanda Brimmer)

a. Rotating Call Note Taker –Molly Birnbaum

b. Roll Call: 4/9/18 OGWG Call Participants

Amanda Brimmer, Molly Birnbaum, Dale Wells, Eileen Steilman, Mark Jones, Whitney Oswald, Darla Potter, Melissa Hovey, Jennifer Snyder, Ann Mebane, Debbie Miller, Andrea Stacy, Sharay Dixon, Tom Moore, Frank Forsgren, John Grant, Amnon Bar-Ilan

2. Review Agenda (Amanda Brimmer)

- Next month note taking – Amanda B. requested a federal agency to volunteer to take notes at the next meeting. Review of agenda.
- One focus of today was to get closure on Phase I of work plan to allow Ramboll to get started on the tasks.

3. Announcements

a. Status Update on OGWG Co-Chairs (Tom Moore)

Tom M. announced his efforts to fully staff workgroups. The needs for the OGWG was discussed with the WRAP Board and he received the approval to elect a third co-chair since the group was very active. Mark Jones from the New Mexico Environment Department is the third co-chair approved for the OGWG. Mark is very active in oil and gas issues for his state, and is very effective in working and bringing people together. Mark introduced himself and added that he has 12 years working in air quality, has been very involved in collaborative processes with oil and gas and in the Four Corners region (3 EPA regions involved in this area) He is looking forward to the experience.

b. Update on 2018-2019 WRAP Workplan (Darla Potter / Tom Moore)

Darla referenced the special meeting held in the January 2018 meeting to talk about upcoming work efforts. Two documents were mentioned: (1) OGWG status report for the work plan and (2) 2018-2019 technical tasks yet to be completed. Ramboll Environmental assisted in developing the task list associated with work plan. The WRAP work plan incorporates the OGWG technical tasks (see master task list) for all work groups. The specific OG work plan has been added to WRAP work plan appendices. Both documents/pieces comprises the work plan for 2018.

Tom M. reported that the WRAP Board looked at the entire work plan. The work plan is developed for many stakeholder audiences and has 12 summary pages. The Gantt chart identifies tasks for two years and numerous work group activities. The work plan was approved last Wednesday, April 4 and is posted [here](#). WRAP will move forward with the details of the work plan.

Frank added that the work plan is divided into two areas with regional haze comprising the bulk of work with other activities i.e. exceptional events. The work plan has a review at the end of the year and can accommodate changes e.g., RH changes.

c. Update on MJO 2016 Modeling Platform Effort (Tom Moore)

Tom M. reported that there was a lot of work going on with the different sectors and parties. Three deliverables include an attempt to produce Alpha, Beta, and V1 versions of 2016 emissions modeling

data and develop 2023 and 2028 future projections from the Beta and V1 versions. (EPA is producing the Alpha files). The workgroups are in the middle of reviewing the files see what elements are wanted with a fall 2018 Beta version to be developed. This effort is similar to the road map phase II work and apply it to the 2016 modeling effort. The next 2016 NEI OGWG work call will be May 14th. The MJO 2016 Modeling Platform project folder can be reviewed at <http://vibe.cira.colostate.edu/wiki/wiki/9180> and includes the following information:

- draft Charge Document for the 2016 EMP O&G Emissions Workgroup
 - <https://drive.google.com/open?id=1gSPGuunaE5J5Xbm2Cj11C72j6bq4zwdUBsV9MMBpIKE>
- Alignment between 2016 EMP and 2017 NEI for O&G sources document
 - [2016EMP - 2017NEI alignment for oil and gas sources \(draft dated Mar 7, 2018\)](#)
- 2016 EMP O&G Emissions QA reports (Alpha version) available in QA folder on Google Drive
 - https://drive.google.com/open?id=1shRNNgznSalo4q41KC2bSNzkOX4NV_hD
- 2016 Oil and Gas Alpha version brief summary
 - 2014NEIv2 <ftp://newftp.epa.gov/Air/emismod/2014/v2/2014fd/emissions/>
 - Optional projected 2016 <ftp://newftp.epa.gov/Air/emismod/2016/alpha/2016fd/emissions/>

d. State / Federal / Local / Tribal Round Table (Darla Potter, roll call)

i. Emissions Inventory Changes e.g., 2017 NEI O&G non-point & ii. Planning Changes

Darla noted there was a lot of work activities/discussions taking place. The 2017 NEI information is challenging for the point and nonpoint efforts and in addition, there was a lot of work group planning within WRAP. Discussed was the appropriateness of inventories and modeling platform work. With all the things going on, it was suggested to do a round table with group to share what was going on with NEI efforts and if there was any planning changes.

Local / States

- *Denver* is updating the 2017 O&G inventory. They plan to regroup with industry again and look at projections. They will be updating 2020-2023 projections and trends. Other tasks are also going on (e.g. ozone standard).
- *Colorado* doing precursor modeling in Platteville which is in the midst of O&G field. May not be in compliance with their regulations. Regarding 2017 NEI changes they are focusing on the information that their operators have given them for one basin but may look at other basins.
- *Alaska* is looking at fixes to get the information they need for the NEI since the regulations were not updated and permittees are reporting what is required in their permits. At present, quantifying lead will be challenging and it is expected that there will be a lot of communication to get the NEI complete. The state is consulting with EPA to develop emission factors. After this year, permits may need to be opened up to fix the triennial reporting expectations.
- *Montana* has no changes yet and is on a holding pattern. They think their inventory will be the same as last year.
- *New Mexico* will do the point source inventory internally. The focus has been on major sources and they recognize the minor sources are not as thorough partially due to the company and operational changes every year. NM is looking more at the Permian basin and

will do more planning since they are 90% to non-attainment. If they do a minor source inventory, then it may be deferred to next year.

- *Utah* is busy collecting the 2017 inventory and has sent surveys out. 2017 will be state wide where 2014 was focused on only one basin. This year they will be looking at more equipment to incorporate.
- *Wyoming* will mirror the approach taken for prior NEI years. Each inventory cycle results in lessons learned. WY will incorporate future years (not 2017) production site information into info management system. This year they will include Tile V and minor sources (non-production sites) into the info management system.
- *Colorado* will be making comments on CARM study which NEPA is tiered. (BLM inventory for NEPA). Not sure if it is statewide. Will talk to BLM offline.

Federal Agencies

- *EPA* - Jennifer Snyder is still working on what they are going to do for 2017 inventories because of the uncertain budget. At present, they plan to update input. New categories are likely to include abandoned wells. They have state level estimates and want to get to include county levels. EPA is open to suggestions.
 - Tom M. asked if they see any changes for the collection of information from O&G sector. Jennifer will follow up with Tom on this outside of the meeting.
- *USFS* and *NPS* - nothing to add
- *BLM* - Melissa said the venting and flaring rule is currently stayed as of last Friday April 6. Proposed Rule is out for public comment until April 23. The rule rolls back provisions to 2016. More details can be found in the federal register at <https://www.federalregister.gov/documents/2018/02/22/2018-03144/waste-prevention-production-subject-to-royalties-and-resource-conservation-rescission-or-revision-of>. Under the NEPA umbrella, BLM continues to construct emission inventories for project reviews. The Permian and San Juan basin inventories are presently being reviewed.

e. Other announcements from work group members / advisors

4. OGWG Road Map (John Grant & Amnon Bar-Ilan – Ramboll Environ)

a. Phase I – Draft Report - Work plan summary & b. Phase II – Deliverables Schedule

John G. provided a high level review of Road Map. The introduction section is an orientation and points out the increase of natural gas over the WRAP region. CH 2 is a review of emission inventory and is meant to satisfy initial tasks to be completed under the road map. Table 2.2 shows what they reviewed for the inventories and identified some of the gaps. A survey may be needed to fill in the source categories. Inventory changes are generally attributed to the change in wells from horizontal to vertical. The roadmap calls for a number of scenarios and control methodologies which generally will need to be utilized across the region. CH 3 is a draft work plan which demonstrates how RM would be accomplished. The work plan is divided into three main tasks: development of the planning base year (2014), the development of 2028 forecasting, and 2028 forecast with reasonable controls. An additional task is to review of emission management and oil and gas programs (sec. 3.4), tasks and budget. One focus is the drafting of reports and files for AQ modeling.

i. *OGWG Action Item to Close Out Phase I (Amanda Brimmer)*

Amanda - The work plan was sent out a week ago for review and the action item today is to approve the draft report. Questions?

- One commenter suggested to bring out the 2028 information from the footnote and expand.
- Task 2G was based on BLM base estimates and it was asked if BLM has or will contribute to complete task.

Darla - the Road map effort has paid dividends to advance phase I and it set out the plan phase II. OG work plan will be more detailed. It was proposed that the work plan be finalized and allow Ramboll to get started.

Mark Jones- seconded the motion to approve.

Call Participants - The work plan was approved and will be posted.

5. Four-Corners Regional Air Quality Presentation *(Mark Jones, NMED-AQB)*

The presentation is posted on OGWG web page under 4/9/2018 call.

6. Next Steps & Planning for Next Calls *(Darla Potter and Amanda Brimmer)*

a. Next Call June 12, 2018 10:00 am (AK), 11:00 am (PT), Noon (MT), 2:00 pm (ET) – 90 minutes

b. Request for Federal Agency Call Note Taker for June 12: Ann Mebane and Debbie Miller volunteered