

Non-Point Source Project Team Meeting #10

Date: November 24th, 2016

Time: 9:00 – 16:00

Place: CASA, 10th Floor, 10035 108 ST NW, Edmonton, AB T5J 3E1

IN ATTENDANCE

<u>Name</u>	<u>Stakeholder Group</u>
Atta Atia	Alberta Agriculture & Forestry (AAF)
Nadine Blaney	Alberta Airsheds Council (AAC)
Tasha Blumenthal	Alberta Association of Municipal Districts & Counties (AAMDC)
Bill Calder	Prairie Acid Rain Coalition
Rhonda Lee Curran	Alberta Environment & Parks (AEP)
Matthew Dance	Clean Air Strategic Alliance (CASA)
Katie Duffett	Clean Air Strategic Alliance (CASA)
Jim Hackett	ATCO
Rob Hoffman	Canadian Fuels Association (CFA)
Steve Marshman	Alberta Canola Association
Alison Miller	Imperial Oil Ltd. (CAPP/CIAC)
Andrew Read	Pembina Institute
Bob Scotten	Alberta Airsheds Council (AAC)
David Spink	Prairie Acid Rain Coalition
Chandra Tomaras	City of Edmonton
Martin Van Olst	Environment and Climate Change Canada (ECCC)
Scott Wilson	Alberta Motor Association (AMA)
Ruth Yanor	Mewassin Community Council

REGRETS

<u>Name</u>	<u>Stakeholder Group</u>
David Lawlor	Alberta Airsheds Council (AAC)
Karla Reesor	Alberta Airsheds Council (AAC)

Action Items	Who	Due
2.1: The NPS Project Team will send Katie any additional NPS resources including information on actions to address NPS in Alberta and any references outside Alberta (i.e. National/International and/or cross-jurisdictional reviews).	All Project Team Members	Ongoing

9.5: Ask Environment and Climate Change Canada to forward any Alberta specific health effects data to the Communication Subgroup.	David Spink	Ongoing
9.7: Present the work of the TTG as part of the Project Team update to the Board at their December meeting.	Keith and the TTG	December CASA Board Meeting
10.1: Katie to begin drafting the front-matter of the NPS final report based on the draft table of contents.	Katie	January NPS meeting
10.2: Secretariat to develop a scope of work and draft budget for a technical writer for the NPS final report.	CASA Secretariat	December 6, 2016
10.3: Co-Chairs to review and approve the technical writer scope of work and budget at the next Co-Chairs meeting (December 6 th).	Co-Chairs	December 6, 2016
10.4: Alison and Rob to develop a draft recommendation for VOCs from gasoline distribution, retail stations, and terminals for discussion at the next NPS Project Team meeting.	Alison Rob	January NPS meeting
10.5: Andrew to develop a draft recommendation for residential wood burning for discussion at the next NPS Project Team meeting.	Andrew	January NPS meeting
10.6: Katie to poll for possible dates in January for a second day dedicated to transportation discussions.	Katie	ASAP
10.7: Co-Chairs to determine pre-meeting discussion expectations as preparation for the transportation discussion in January and report back to the NPS Project Team after the December 6 th Co-Chairs meeting.	Co-Chairs	December 6, 2016
10.8: Rhonda Lee to provide references to the leads of the different mobile-source groups in preparation for the January meeting.	Rhonda Lee	December/January
10.9: Steve and Atta to develop a draft recommendation for agricultural emissions for discussion at the next NPS Project Team Meeting.	Steve Atta	January NPS meeting
10.10: David and Tasha to develop a draft recommendation for prescribed burning for discussion at the next NPS Project Team Meeting.	David Tasha	January NPS meeting

1. Administrative Items

The meeting was called to order at 9:00 by Bill and there was a round table of introductions.

The meeting agenda was reviewed and approved without amendment.

The minutes from meeting #9 were reviewed and approved without amendment.

The action items were reviewed and updated as follows:

Action Item	Who	Due By
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2.1: The NPS Project Team will send Matt any additional NPS resources including information on actions to address NPS in Alberta and any references outside Alberta (i.e. National/International and/or cross-jurisdictional reviews).	All Project Team Members	Ongoing.
9.1: Put an hour or more on a future NPS Project Team Agenda to provide an overview of their management actions review plus discussion.	Transportation Subgroup	Complete
9.2: Include VOCs in the NPS Team update to the CASA Board. If necessary, provide rationale as to why loading emissions from Terminals are important to the Team's work, and request an exception to include within the mandate of the 'non-point' focus of the team.	Keith and Matt	December CASA Board Meeting
9.3: Draft proposed key messages and circulate to the Communications Subgroup for approval prior to those messages being presented to the NPS Team at their November 24th Meeting.	Matt	Complete
9.4: Connect with the Alberta Airsheds Council and the AEP Capital Region and Red Deer Engagement Strategy Team to link with them and explore the potential of using these channels to extend the reach of the NPS Team Key Messages and other communications.	Matt	Complete
9.5: Ask Environment and Climate Change Canada to forward any Alberta specific health effects data to the Communication Subgroup.	David Spink	Ongoing
9.6: Forward comments on the TTG Executive Summary. The TTG will work to incorporate those comments in the final executive summary.	NPS Team Members	Complete
9.7: Present the work of the TTG as part of the Project Team update to the Board at their December meeting.	Keith and the TTG	December CASA Board Meeting
9.8: Develop a priority setting tool / filter to help prioritize the TTG areas of potential future work.	Matt and Co-Chairs	Complete

2. Technical Task Group (TTG) Final Report

David provided a summary of the findings of the Technical Task Group's report, *A Knowledge Synthesis of Non-Point Source Air Emissions and their Potential Contribution to Air Quality in Alberta*. The report is now considered complete and the NPS Team Members are able to share it with organizations, but it should not be considered a public report at this time.

The version of the TTG report distributed prior to the meeting was missing reports on the air zones. Due to the size of the compiled report the additional air zone reports will be added as an appendix and made available through the CASA website.

The TTG identified a number of gaps/uncertainties in the report. These will be discussed at the next NPS Project Team meeting with the intent of determining whether or not to recommend further work to address the gaps/uncertainties. There will also be future discussions on plans for updating the document as new information becomes available.



3. NPS Priority Setting

Bill provided a presentation on the NPS Focus List and the process/considerations for prioritizing them.

Agricultural emissions were not originally proposed as a major focus for the NPS Project Team, particularly given that ammonia isn't limiting for PM_{2.5} formation. However, after some discussion of the potential 50-100km travel of VOCs and the limited available information on agricultural VOC emissions, it requires further review.

It was noted that for areas where the NPS Project Team has decided not to pursue a recommendation the final report will detail why the decision was made. In the case of areas where initiatives are already underway to address the issue the report will state that the lack of need for a recommendation is contingent on the ability of the current initiatives to deliver on their commitments.

The project timeline was reviewed. The next several months will be a period of intense work for both the project team and any relevant stakeholders. Strong commitment is needed until the end of June. In order to help expedite the process, drafting portions of the final report (e.g. background, introduction, process, etc.) can start in December.

Action Item 10.1: Katie to begin drafting the front-matter of the NPS final report based on the draft table of contents.

A technical writer would be useful for the remainder of the final report. The CASA Secretariat will draft a scope of work and budget for a technical writer and the Co-Chairs can approve it at the next Co-Chair meeting on December 6th.

Action Item 10.2: Secretariat to develop a scope of work and draft budget for a technical writer for the NPS final report.

Action Item 10.3: Co-Chairs to review and approve the technical writer scope of work and budget at the next Co-Chairs meeting (December 6th).

The project timeline ends at September 2017, but communication of the project results will occur after the deadline (not likely by the project team).

4. Triaged Priorities from the TTG's NPS Focus List

4.A VOCs from Gasoline Distribution, Retail Stations and Terminals

Rob spoke to this item.

There are non-point source and point source emissions at service stations and terminals, but they are part of an integrated system and can't easily be separated. The upcoming Oversight Advisory Committee (OAC) will be addressing VOCs, so this issue will at least partially be addressed at that forum. The OAC excludes Calgary, however.



There were some differing opinions as to whether or not CASA is an appropriate place to address this issue given the intent of the OAC. There were concerns that the OAC's geographic scope is too limited. Whether or not CASA explores this issue it would still progress under the OAC, and industry representatives did not support the conversation occurring in multiple forums given how restrained capital resources are currently.

Other jurisdictions have mandated vapor recovery systems and yielded emissions reductions, so there was a request for government representatives to report on the government position on this issue at the next meeting.

A draft recommendation will be developed and reviewed at the next meeting.

Action Item 10.4: Alison and Rob to develop a draft recommendation for VOCs from gasoline distribution, retail stations, and terminals for discussion at the next NPS Project Team meeting.

4.B Residential Wood Burning

Andrew provided a presentation.

Possible areas for a recommendation related to residential wood burning include standards/building codes for new builds and air quality advisories for when air quality is poor and wood burning appliances should not be used. Given that in some older buildings the only source of heat is wood burning appliances it would place an undue burden on them to be required to retrofit their stoves/fireplaces before they are allowed to be used. These recommendations would primarily be enforced by municipalities, but the recommendation would have to go to the provincial government if changes in building codes are required.

There are some current standards in place for wood burning appliances, and these should be reviewed and considered when developing a recommendation.

Action Item 10.5: Andrew to develop a draft recommendation for residential wood burning for discussion at the next NPS Project Team meeting.

4.C Transportation Subgroup

Rhonda Lee provided a presentation.

The Transportation Subgroup identified six areas for potential management action:

1. Improving emissions performance of existing vehicles,
2. Incentives/Disincentives for purchase or use of cleaner vehicles,
3. Reducing use of vehicles,
4. Reduce the barriers to adoption of low or zero emitting vehicles,
5. Improve overall fleet fuel efficiency, and
6. Improve emissions from off-road equipment.

There was a discussion on how to begin addressing these areas, and due to the fact that many of the six areas apply to personal vehicles, on-road light and heavy duty, and off-road heavy duty, it made sense to



address them as groups based on vehicle types. Project team members volunteered to be included in the groups as follows (group lead in bold):

1. On-road light duty vehicles: **Scott Wilson**, Ruth Yanor, Bill Calder, Rhonda Lee Curran, Chandra Tomaras, plus potentially Alberta Transportation
 - a. Areas to be considered: 1, 2, 3 & 4
2. On-road heavy duty vehicles: **Andrew Read**, Rhonda Lee Curran, Tasha Blumenthal, plus potentially Alberta Transportation
 - a. Areas to be considered: 1, 2, 4 & 5
3. Off-road equipment: **Steve Marshman**, David Spink, Alison Miller, Rhonda Lee Curran, plus potentially Alberta Transportation
 - a. Areas to be considered: 1, 2 & 6

The transportation recommendation area is large and will require some extensive discussion at the next meeting, so it was decided that the January NPS Project Team meeting will be extended to a two day meeting with the first day entirely devoted to having the three groups report back on their vehicle type in relation to the six areas recommended by the Transportation Subgroup.

The expectations for what each group will develop and present at the January transportation meeting will be discussed at the December 6th Co-Chair meeting.

Action Item 10.6: Katie to poll for possible dates in January for a second day dedicated to transportation discussions.

Action Item 10.7: Co-Chairs to determine pre-meeting discussion expectations as preparation for the transportation discussion in January and report back to the NPS Project Team after the December 6th Co-Chairs meeting.

Action Item 10.8: Rhonda Lee to provide references to the leads of the different mobile-source groups in preparation for the January meeting.

4.D Agricultural Emissions

A presentation was provided by Atta.

Agriculture emissions include ammonia, PM_{2.5} and VOCs. Ammonia is not the limiting factor for PM_{2.5} development and Agriculture and Forestry have initiatives around PM_{2.5}. They are not currently focused on VOC emissions due to the difficulty in measuring them.

A recommendation in this area will focus on research needs relating to VOC emissions.

Action Item 10.9: Steve and Atta to develop a draft recommendation for agricultural emissions for discussion at the next NPS Project Team Meeting.

4.E Prescribed Burning

David provided a presentation.



There are some general rules applied to prescribed burning, such as trying to avoid burning when smoke will be blown into population centers and only burning during the daytime when it can be managed and then extinguished. A possible recommendation for this issue could involve by-laws related to air quality and monitoring (use of small, portable monitors potentially by by-law officers). Access to equipment and expertise could be a challenge, however.

Action Item 10.10: David and Tasha to develop a draft recommendation for prescribed burning for discussion at the next NPS Project Team Meeting.

4.F Residential and Commercial Heating

Rhonda Lee provided a presentation.

This issue is already well covered by existing initiatives, so there isn't a specific role for CASA. A recommendation will not be developed for this issue, but the final report will indicate it was an area the project team looked at but decided not to pursue.

4.G Discuss and Agree Upon Priority Issues

The priority list of issues for development of a recommendation is:

1. Mobile sources
2. Residential wood burning
3. Prescribed burning
4. VOCs from gasoline distribution, retail stations and terminals
5. Agricultural emissions

Other triaged sources from the TTG report are either being addressed elsewhere or may be addressed through a future CASA project. In particular, the NPS Project Team will further discuss development of a recommendation for further work relating to construction and road dust.

The final report will include information on all of the non-point sources considered, and for the ones excluded from recommendation development it will also include the rationale for why a recommendation will not be provided.

There is ongoing effort for engagement of urban municipalities in the NPS Project Team. A conference call is scheduled for December with a representative of the City of Calgary. Keith Denman is also currently trying to re-engage with the Alberta Urban Municipalities Association.

Additional resources will potentially include a technical writer. SmartWay can also provide webinars to assist with the transportation discussions happening prior to the January meeting.

5. Communications Subgroup

Ruth provided this update.



The objectives from the draft Communication Strategy document were reviewed and some minor modifications were made with input from the project team.

The document is a framework and the Communications Subgroup will meet in mid-December to further discuss development of communications tools for objective #1 from the draft strategy. The subgroup's goal is to have the tools completed in January 2017 so they can be distributed to stakeholders and then assess their usefulness during the March Board meeting.

The Communications Subgroup will support ongoing/planned communications initiatives undertaken by other organizations where appropriate.

6. Next Steps

Next steps include:

- A status update to the Board will be distributed in the Board meeting package following the NPS meeting.
- Key messages from the draft Communications Strategy will be shared at the Board meeting.
- Bill and Jim will provide the NPS Project Team update presentation to the Board on December 8th.
- A Co-Chairs meeting is scheduled for December 6th and will include the following items:
 - Discussions/Revision of draft table of contents for the final report
 - Discussion/Approval of a scope of work for a technical writer
 - Expectations for reporting at the transportation meeting in January
 - Review of the presentation for the Board meeting

7. Adjournment

The meeting was adjourned at 15:50.