

Non-Point Source Project Team Meeting #11

Date: Thursday, January 26th, 2017

Time: 10:00 – 15:00

Place: Canadian Fuels Office, #2100, 350 7th Avenue SW, Calgary

IN ATTENDANCE

<u>Name</u>	<u>Stakeholder Group</u>
Atta Atia	Alberta Agriculture & Forestry (AAF)
Jill Bloor	Alberta Airshed Council (AAC)
Rhonda Lee Curran	Alberta Environment & Parks (AEP)
Katie Duffett	Clean Air Strategic Alliance (CASA)
Nancy Hackett	City of Red Deer
Rob Hoffman	Canadian Fuels Association (CFA)
Lauren Maris	City of Red Deer
Steve Marshman	Alberta Canola Association
Alison Miller	Imperial Oil Ltd. (CAPP/CIAC)
Rupesh Patel	Alberta Transportation
Andrew Read	Pembina Institute
Tanya Sakamoto	City of Calgary
David Spink	Prairie Acid Rain Coalition
Chandra Tomaras	City of Edmonton
Scott Wilson	Alberta Motor Association (AMA)
Ruth Yanor	Mewassin Community Council

REGRETS

<u>Name</u>	<u>Stakeholder Group</u>
Nadine Blaney	Alberta Airshed Council (AAC)
Tasha Blumenthal	Alberta Association of Municipal Districts & Counties (AAMDC)
Bill Calder	Prairie Acid Rain Coalition
Jim Hackett	ATCO
Karla Reesor	Alberta Airshed Council (AAC)
Martin Van Olst	Environment and Climate Change Canada (ECCC)

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
10.3: Co-Chairs to review and approve the technical writer/editor scope of work and budget at the next Co-Chairs meeting (December 6 th).	Co-Chairs	December 6, 2016
11.1 Revise the recommendation on VOCs from gasoline distribution as a recommendation to, or consideration for, Alberta Environment and Parks.	Alison Miller Rob Hoffman	February 23, 2017
11.2 Review available emission inventory data to determine if there is information on the proportion of residential heating emissions caused by wood-burning appliances and fireplaces.	Rhonda Lee Curran	February 23, 2017
11.3 Municipality representatives to provide CASA (to forward to Andrew) any operating and permit requirements for residential wood burning appliances and fireplaces.	Lauren Maris Nancy Hackett Chandra Tomaras Tanya Sakamoto	February 23, 2017
11.4 Revise the agricultural emissions recommendations to specifically identify which research projects are high priority with regards to addressing non-point source emissions.	Atta Atia Steve Marshman	February 23, 2017
11.5 Project team members to determine whether anyone in their organization/network has relevant expertise to either take the lead or assist in the development of a recommendation on construction operations and road dust.	All project team members	February 23, 2017
11.6 Develop an initial draft of packaging/prioritizing the gaps and uncertainties identified in the TTG final report for inclusion in the NPS final report.	David Spink	February 23, 2017
11.7 Finalize a format for the draft recommendations and distribute to all project team members.	Bill Calder Rhonda Lee Curran Alison Miller	ASAP
11.8 Flesh out recommendations as much as possible according to the template sent out by the Co-Chairs for discussion during the February 23 rd meeting.	Recommendation leads	February 23, 2017
11.9 Revise the NPS Backgrounder document based on initial feedback and then distribute it to the project team.	Katie Duffett	ASAP
11.10 Schedule a municipal caucus teleconference for mid-February	Katie Duffett	ASAP

Agenda

1. Administrative Items
 - a. Greetings and meeting quorum
 - b. Approve the draft agenda and meeting objectives
 - c. Review and approve meeting #10 minutes, review the action items
 - d. Announcements from project team members



2. Approach for NPS Final Report
 - a. Review report structure and expectations for recommendations section
 - b. Progress to date
 - c. Confirm recommendation leads
3. Recommendations for Management Action
 - a. VOCs from gasoline distribution, retail stations, and terminals
 - b. Residential wood burning
 - c. Agricultural emissions
 - d. Prescribed burning
 - e. Transportation
 - i. On-road light duty vehicles
 - ii. On-road heavy duty vehicles
 - iii. Off-road equipment
4. Construction Operation & Road Dust Recommendation
 - a. Should the project team provide a recommendation for work?
 - b. Identify a recommendation lead
5. Gaps/Uncertainties from the TTG Final Report
 - a. Should the project team provide recommendations for further work?
6. NPS Final Report
 - a. Revisit report structure
7. Communications Subgroup Update
 - a. Update on development of communications materials for Objective #1 of the Communications Strategy
 - b. Update on workshop scheduled for February/March
8. Next Steps
 - a. Next meeting dates

1. Administrative Items

The meeting was called to order at 10:00 by Rhonda Lee and there was a round table of introductions.

The agenda was reviewed and approved with the addition of a second short discussion on the NPS Final report in the afternoon and a minor adjustment to the meeting objectives.

The minutes from the November 24th, 2016 meeting were reviewed and approved with the following corrections:

- Correction of the transportation subgroup names to better reflect the vehicle types being discussed
- Inclusion of a statement indicating the Communications Subgroup will support ongoing/planned communications initiatives from other organizations as appropriate

The action items were reviewed and updated as follows:

Action Items	Who	Due
2.1: The NPS Project Team will send Katie any additional NPS resources including information on actions to	All Project Team Members	Ongoing



address NPS in Alberta and any references outside Alberta (i.e. National/International and/or cross-jurisdictional reviews).		
9.5: Ask Environment and Climate Change Canada to forward any Alberta specific health effects data to the Communication Subgroup.	David	Ongoing
9.7: Present the work of the TTG as part of the Project Team update to the Board at their December meeting.	Bill Jim	Complete
10.1: Katie to begin drafting the front-matter of the NPS final report based on the draft table of contents.	Katie	Complete
10.2: Secretariat to develop a scope of work and draft budget for a technical writer for the NPS final report.	CASA Secretariat	Complete
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	Ongoing
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	Complete
10.5: Andrew to develop a draft recommendation for residential wood burning for discussion at the next NPS Project Team meeting.	Andrew	Complete
10.6: Katie to poll for possible dates in January for a second day dedicated to transportation discussions.	Katie	Complete
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	Complete
10.8: Rhonda Lee to provide references to the leads of the different mobile-source groups in preparation for the January meeting.	Rhonda Lee	Complete
10.9: Steve and Atta to develop a draft recommendation for agricultural emissions for discussion at the next NPS Project Team Meeting.	Steve Atta	Complete
10.10: David and Tasha to develop a draft recommendation for prescribed burning for discussion at the next NPS Project Team Meeting.	David Tasha	Complete

Meeting attendees provided updates, as follows:

- The last CASA Board meeting was held on December 8th, and an update was given on the NPS work. The Board discussed three new projects to potentially initiate in 2017: defining roles/relationships through a systems mapping exercise, revising the Ambient Air Monitoring Strategy for Alberta, and development of a municipal tool kit. The systems mapping exercise is scheduled for the next Board meeting. The other two potential projects require further investigation before work is initiated.

- The CASA website has been redesigned and now contains a members-only forum where NPS Project Team members can post documents. The Project Team received access instructions via email.
- There is a meeting being held by the South Saskatchewan River Basin on January 31st regarding CAAQS.
- Alberta Environment and Parks is developing an Industrial Air Emissions Management Program (IAEMP) for the Red Deer region with input from stakeholders.

2. NPS Final Report

Originally the project team discussed hiring a technical writer for the NPS final report. The Co-Chairs discussed it at their last meeting and instead decided a technical editor is needed. The report content would largely be developed by the project team members, with support from the CASA Secretariat on the “front matter”, and the editor would package the information. Project team members will need to ensure the technical details are correct.

3. Recommendations for Management Action

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

Rob Hoffman spoke to this item.

The draft recommendation for this area was for it to be addressed via the Oversight Advisory Council (OAC) and the Red Deer Advisory Committee as part of the Industrial Air Emissions Management Program (IAEMP).

Members of the project team requested the recommendation be re-drafted to Alberta Environment and Parks as the OAC and Red Deer Advisory Committee are not regulatory bodies nor province-wide in scope. The revised draft recommendation will identify VOCs from gasoline distribution as an opportunity to reduce emissions but highlight that there are many factors to consider. These considerations include that gasoline distribution is an integrated system and changes require large capital expenditure and other emissions reductions are being discussed at the OAC table (i.e. IAEMP). Where possible, estimates of the capital costs required to retrofit terminals and vehicles will be included in the recommendation.

Action Item 11.1: Rob and Alison to revise the draft recommendation on VOCs from gasoline distribution as a recommendation to, or consideration for, Alberta Environment and Parks.

3.B Residential Wood Burning

Andrew Read spoke to this item.

The draft recommendations focused on two areas: standards for wood burning equipment and restrictions on use of wood burning equipment when air quality is measured or forecasted as degraded.



Information was lacking on the proportion of residential heating emissions due to wood burning fireplaces/appliances, but some information on fireplace permits may be available from municipalities. Further review of emissions inventories may also yield more data.

Action Item 11.2: Rhonda Lee to review available emission inventory data to determine if there is information on the proportion of residential heating emissions caused by wood-burning appliances and fireplaces.

Action Item 11.3: Municipality representatives to provide CASA (to forward to Andrew) any operating and permit requirements for residential wood burning appliances and fireplaces.

Municipalities issue advisories to restrict wood burning (e.g. during drought conditions) and Edmonton has a bylaw for banning backyard fire pits during air quality events. Consider whether these existing mechanisms could inform a new requirement or be expanded to include air quality and indoor wood burning.

3.C Agricultural Emissions

Atta Atia spoke to this item.

The draft recommendation was for increased funding to basic and applied research on agricultural emissions. Feedback from the project team was to revise the draft recommendation to be specific by including existing research opportunities for PM_{2.5}, ammonia, and VOCs.

Action Item 11.4: Atta and Steve to revise the draft agricultural emissions recommendation to specifically identify which research projects are high priority with regards to addressing non-point source emissions.

3.D Prescribed Burning

David Spink provided a presentation.

The draft recommendation was for AEP to review with AAF existing regulatory requirements and ensure best practices are applied to manage the potential air quality impacts of open-air burning. It also stated that municipalities should be involved in this review. Currently, municipalities can't write bylaws with environmental purpose. This is something that is expected to change in the near future.

This draft recommendation is similar to the advisory recommendation for residential wood burning and they should be linked in the final report.

3.E Transportation Recommendations

The Transportation Subgroup leads gave an overview of their draft recommendations to date. These draft recommendations will be discussed in more detail during the February 3rd NPS Project Team meeting.



Draft recommendations for on-road light duty vehicles included:

1. Development and implementation of financial (and other) incentives to increase the purchase of lower emitting vehicles,
2. Requirements for dealerships of new vehicles to offer a specific proportion of lower emitting vehicles for sale,
3. Education/Awareness of opportunities that already exist to decrease emissions (e.g. eco-driving, carpooling drives, etc.),
4. Reduce emissions control tampering through changes to regulations and the Automotive and Light Truck Inspection Manual,
5. Assess the scope/impact of tampering in Alberta (4 & 5 to be combined), and
6. Support the uptake of low emitting vehicles by increasing infrastructure through partnership and coordination of the Government of Alberta, municipalities, and the private sector.

The subgroup had also discussed mandatory vehicle emissions testing but decided against including it as a recommendation due to concerns that it would target a socio-economic demographic that could not afford the required repairs and therefore it may not represent a good use of funds. Rationale for not putting it forward as a recommendation can be included in the final report and where possible estimates of the associated costs will be provided.

Draft recommendations for on-road heavy duty vehicles included:

1. Develop incentives for purchase of lower emitting buses (public transit and school buses),
2. Encourage greening of fleets through membership with SmartWay,
3. Encourage use of technologies to improve fleets (e.g. aerodynamic devices, idling reduction, etc.),
4. Alignment of the provincial regulation with the National Safety Code relating to weight thresholds and inspection criteria for vehicle inspections,
5. Discouraging vehicle emission control tampering,
6. Establish support for development of urban long haul strategies, and
7. Partnership and coordination between different levels of government to establish lower emitting vehicle infrastructure.

Some of the recommendations for on-road light duty and on-road heavy duty vehicles dealt with similar themes, so these could potentially be packaged together in the final report.

The Off-Road Equipment Subgroup included a draft recommendation to incent the replacement of older portable fuel containers (jerricans) with lower-emitting, modern designs. The subgroup also had discussions on potential recommendations related to incenting replacing older equipment (e.g. small lawnmowers) for newer ones with cleaner burning engines, opportunities to reduce emissions from construction equipment, and emissions from off-road vehicles with engines greater than 750hp.

The issue of tampering was also raised, including concerns relayed on reduced fuel efficiency and life span for certain model years with emission control technology installed. Various factors will need to be considered for any action on tampering.

4. Construction Operations & Road Dust Recommendation

The Technical Task Group report identifies construction operations and road dust as a large source of PM_{2.5}. It is a broad issue and may not be addressed within the timelines of this non-point source project, but should be recognized in the final report as an area requiring future work.

Action Item 11.5: Project team members to determine whether anyone in their organization/network has relevant expertise to either take the lead or assist in the development of a recommendation on construction operations and road dust.

5. Gaps/Uncertainties from the TTG Final Report

The Technical Task Group report contains a list of areas where there are information gaps and uncertainties. There was agreement from the project team that these areas should be highlighted in the NPS Final Report, and some discussion on how they should be packaged. One option was for the list to be triaged and priority areas highlighted, but it was recognized that the list would be difficult to triage.

The NPS Final Report should also contain some context for the list that reflects the project team discussion.

Action Item 11.6: David to develop an initial draft of packaging/prioritizing the gaps and uncertainties identified in the TTG final report for inclusion in the NPS final report.

The Co-Chairs will review the draft prioritization during the next Co-Chairs teleconference in February.

6. NPS Final Report

The recommendations should be provided in a consistent manner to a technical editor. In order to aid that process the recommendation leads should use the same template for their draft recommendations.

The items which were considered for recommendation but which the project team decided not to put forward will also be included, but they will likely be in a different section of the report and won't require the same template. The report will also include information on ongoing initiatives and highlight the value of the existing work.

Action Item 11.7: Co-Chairs to finalize a format for the draft recommendations and distribute to all project team members.

Action Item 11.8: Recommendation leads to flesh out their recommendations as much as possible according to the template sent out by the Co-Chairs for discussion during the February 23rd meeting.

7. Communications Subgroup Update

Ruth Yanor provided an update on the Communications Subgroup.



The Communications Subgroup requested that the project team members keep communications 'soundbites' in mind when progressing with recommendations as these would be helpful to the subgroup for development of communications materials.

The Subgroup had developed a draft backgrounder document and the project team suggested some revised wording around the section that identifies the recommendation areas.

Action Item 11.9: Katie to revise the NPS Backgrounder document based on initial feedback and then distribute it to the project team.

A communications workshop is in the planning stages, and it was recommended that all of the airsheds be invited individually given many have education/awareness/communications initiatives related to air quality that should be included.

7. Next Steps

Next steps include:

- Materials for the February 3rd meeting will be distributed to the project team as they become available.
- Participation of the Municipal Caucus on the NPS Project Team and its subgroups will be discussed during a teleconference with the municipality representatives.

Action Item 11.10: Katie to schedule a municipal caucus teleconference for mid-February.

7. Adjournment

The meeting was adjourned at 15:00.