

Final Minutes

PM and Ozone Implementation Team Meeting #5

Date: Tuesday, February 6, 2007

Time: 9:30 am – 3:30 pm

Place: CASA Offices, Edmonton



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In attendance:

Name	Organization
Alan Brownlee	City of Edmonton
Claude Chamberland	Canadian Petroleum Products Institute (CPPI) and CAPP
Andrew Clayton*	Alberta Environment
Jillian Flett	CASA
Brian Free	CASA
Long Fu*	Alberta Environment
Debra Hopkins ¹	Alberta Health & Wellness
Myles Kitagawa	Toxics Watch Society
Rachel Mintz	Environment Canada
Bob Myrick	Alberta Environment
Crystal Parrell*	Alberta Environment
Kristofer Sirunaris ²	Energy & Utilities Board
Dave Slubik ³	EPCOR
Lisa Stroscher	Calgary Health Region
Darcy Walberg	Agrium
Kevin Warren	Parkland Airshed Management Zone

Regrets:

Name	Organization
Karina Bodo	AB Health & Wellness
David Day	City of Calgary
Martha Kostuch	Prairie Acid Rain Coalition
Keith Murray	AFPA
Stan Nowakowski	City of Calgary
Mike Pawlicki	Lafarge Canada
Ian Peace	Residents for Accountability in Power Industry Development
Gina Rau*	Graymont Western US Inc
Scott Sangster	Nova Chemicals
John Squarek	CAPP

*Corresponding members

¹ AM only

² Phoned in for AM only

³ Arrived at 11:30am

Action Items:

Task	Who	When
2.1 Bob Myrick, Markus Kellerhals to provide the updated GDAD to the PM and O ₃ working group members.	Markus Kellerhals, Bob Myrick	As soon as it is available
3.2: Bob Myrick will clarify who is the implementer for the third report in recommendation G 10 1.	Bob Myrick	Feb 6, 2007
4.2: Rachel will provide more information on the inter-comparison study as it becomes available and will check whether the full report can be shared when it's done.	Rachel Mintz	As it becomes available
4.3: Bettina will forward AENV inter-comparison information provided at the last OSC meeting to Rachel.	Brian Free	ASAP
4.8: Affected airshed zones will write a letter to the Deputy Minister of AENV, indicating that they will need help to develop management plans and that AENV should ensure it allocates adequate resources to support the affected zones.	Airshed zones	ASAP
4.18: Long Fu will distribute the reassessment report on the hourly PM _{2.5} objective to the team.	Long Fu	ASAP
5.1 Brian Free is to see that a link to the 2001-03 assessment results is provided on the CASA website.	Brian Free	ASAP
5.2 Crystal Parrell will arrange for a time and place in late February for a half-day workshop about the assessment analysis for Project Team members. Brian Free will email an invitation to Team members.	Crystal Parrell, Brian Free	End of February
5.3 AENV to follow up on this 2-page progress report on Continuous Improvement & Keeping Clean Areas Clean.	Bob Myrick	October
5.4 Crystal Parrell will provide Brian Free with the link to the five-year progress report (2005) for the Canada-Wide Standard. Brian will forward it to the Team.	Crystal Parrell, Brian Free	ASAP
5.5 Crystal will provide Lisa and Kevin with two lists: <ul style="list-style-type: none"> the list of the communities in the Calgary CMA that received the Notice, and a corrected list with communities in the PAM Zone removed. 	Crystal Parrell	ASAP
5.6 Bob Myrick will prepare a draft letter of support for the proposed program described by John Taggart. Brian Free will arrange a conference call among the Team's three co-chairs to discuss the letter. Myles Kitagawa will brief the ngo co-chair, Ian Peace, on this matter.	Bob Myrick , Claude Chamberland, Ian Peace, Brian Free, Myles Kitagawa	Feb 15
5.7 Brian Free will add an agenda item for an update about this AENV Project Charter to the Team's next meeting agenda.	Brian Free	October
5.8 Brian Free will distribute a copy of Andrew's PowerPoint presentation to the Team.	Brian Free	ASAP
5.9 Andrew Clayton will check the 2004 ozone data for the Caroline station.	Andrew Clayton	ASAP
5.10 Crystal Parrell will consider how best to revise the assessment reports to make them more reader-friendly to non-technical stakeholders.	Crystal Parrell	ASAP
5.11 Bob Myrick will re-evaluate the communications plan related to the upcoming report releases, taking the points raised by the Project Team into consideration.	Bob Myrick	ASAP

5.12 At the Team's next meeting, Rachel Mintz will provide an update on this research project on inter-hemispheric movement of pollutants.	Rachel Mintz	October
5.13 Lisa Strosher will advise Kevin Warren as to who is the air quality "point person" for the David Thompson Regional Health Authority	Lisa Strosher	ASAP
5.14 As soon as it is available, Rachel Mintz will make a draft available to Team members of the updated ChemInfo Report.	Rachel Mintz	ASAP
5.15 Brian Free will add the Project Team's workplan to the agenda for the next team meeting.	Brian Free	October
5.16 Brian Free will poll the team for a meeting date in October.	Brian Free	June

Bob Myrick convened the meeting at 9:38 am.

1 Administration

a) **Introductions.** Those present introduced themselves.

b) **Approve agenda and meeting objectives.** The chair reviewed the agenda and meeting objectives.

Additions:

- Long Fu asked to provide a brief update from a meeting of the CCME Canada-Wide Standards Coordinating Committee
- Rachel Mintz asked to provide an update on Alberta emissions projections.
- Bob Myrick advised that John Taggart from Alberta Environment requested an opportunity to address the Team at this meeting.

With these changes, the agenda was approved.

c) **Review and approve Minutes from Meeting #4.** Minutes were approved as distributed.

d) **Review action items from Meeting #4**

2.1 Bob Myrick, Markus Kellerhals to provide the updated GDAD to the PM and O₃ working group members. Not yet available. Carry forward.

2.5 Bob Myrick and Long Fu to send official notification of the PM and O₃ assessment status to the affected jurisdictions. Done.

2.6 CASA secretariat to inform CASA stakeholders of assessment results through the CASA website / the bulletin. Carry forward. An article about the assessment results was included in the December issue of the Clean Air Bulletin. A photocopy of the article was circulated among those present. Assessment results are on the AENV website.

Action Item 5.1 Brian Free is to see that a link to the 2001-03 assessment results is provided on the CASA website. (This replaces Action Item 2.6)

2.7 AENV to provide to Environment Canada the train of analysis so Environment Canada can review the analysis. Done. A meeting was held in January at which the analysis was described and discussed. Some Project Team members are interested in learning more about the analysis behind the assessment.

Action Item 5.2 Crystal Parrell will arrange for a time and place in late February for a half-day workshop about the assessment analysis for Project Team members. Brian Free will email an invitation to Team members.

3.2: Bob Myrick will clarify who is the implementer for the third report in recommendation G 10 1. Carry forward.

- 4.1: Long Fu will recommend to the CCME Science Review Coordinating Committee that the drafting of the terms of reference for the science review be a multi-stakeholder process. **Done.**
- 4.2 Rachel will provide more information on the inter-comparison study as it becomes available and will check whether the full report can be shared when it's done. **Carry forward.**
- 4.3: Bettina will forward AENV inter-comparison information provided at the Oct 2006 Operation Steering Committee meeting to Rachel. **Carry forward.** Brian Free will follow up.
- 4.4: Rachel will check on the status of the Keep Clean Areas Clean document. **Done**
- 4.5 Bettina will place an item regarding the management framework review (recommendation 1c) on the agenda for the next team meeting. **Done.**
- 4.6 Claude Chamberland will report back to the team on the outcome of the AMC meeting regarding recommendation 5. **Done.** Reported later in today's meeting.
- 4.7: Bettina will place an item regarding the Alberta Guidance Document (Recommendation 8) on the agenda for the next team meeting. **Done.**
- 4.8: Affected airshed zones will write a letter to the Deputy Minister of AENV, indicating that they will need help to develop management plans and that AENV should ensure it allocates adequate resources to support the affected zones. **Carry forward.** A letter was sent from one airshed, the Parkland Airshed Monitoring Zone. Kevin Warren circulated the letter and the Deputy Minister's response.
- 4.9: Bob Myrick will forward the advance notice e-mail on the 01-03 assessment to the team and ensure that the team is copied on future correspondence. **Done.**
- 4.10: Team members will review the list of recipients and provide any suggestions to Bob. **Done.**
- 4.11: Bob will discuss with Myles Kitagawa the best way to get the letter out to ENGOs in the affected areas. **Done.**
- 4.12: Bob will contact AAFRD to get a current list of who to send the letter to in the agriculture sector, and will identify and send a letter to Metis Settlements in the affected areas. **Done.** A letter was sent to AAFRD, but no response was received. Letters were sent to several agricultural organizations (<10) and affected Métis Settlements.
- 4.13: AENV will include a map with airsheds and contact information for each of the affected airsheds as an attachment to the letter. **Done.**
- 4.14: CASA secretariat will discuss the possibility of a shorter time frame for the media release. **Done.** AENV Communications decided not to issue a Media release, so no release was issued. However, Kevin reported that the Parkland Airshed Monitoring Zone did issue their own news release on the 2001-03 assessment results.
- 4.15: Lisa will send a few paragraphs to Bob and Kevin on health effects of ozone that can be used as background to go with the letter and the news release. **Done.**
- 4.16: AENV will bring a proposal back to the team on how to communicate future assessment results. **Done.** On today's agenda.
- 4.17: Members will discuss the proposed PM2.5 AAQ objective in their organizations as desired, and will forward any concerns or comments to Long Fu by Nov. 2. **Done.**
- 4.18: Long Fu will distribute the reassessment report on the hourly PM2.5 objective to the team. **Carry forward.**
- 4.19: Rachel will inquire whether the team could have access to the actual data set from the updated study. **Done.** Work on the data for the ChemInfo Report is still underway. Rachel will distribute the data set once it is available.
- 4.20: Rachel will forward information on the project to update the ChemInfo Report to Bettina for distribution to the team and members should provide comments directly to Rachel. **Done.**

4.21: Bob and Bettina will prepare the information sheet and presentation for the November CASA board meeting. **Done.**

4.22: Claude will provide a report at the next meeting on the outcome of the CCME discussions. **Done.** Report given later in the meeting.

2 Actions to Date Under the Framework

- a) Review recommendations not completed to date and provide an update on the status of implementation.

Summary of Recommendations that have not been fully implemented

1.	Management Framework Recommendations
Status	Actions under the framework
	<p>TASK 4 Alberta Environment to back out background, natural and trans-boundary PM_{2.5} and O₃ for episodes that exceeded the trigger levels.</p> <ul style="list-style-type: none"> Assess days/episodes with ambient concentrations of PM_{2.5} and O₃ that were higher than the Canada-Wide Standards (CWS) exceedance levels. Complete for the 2001-2003 assessment. Apply simplified procedures to assess days/episodes with ambient concentrations of PM_{2.5} and O₃ that were higher than the CASA planning and surveillance triggers. Complete for the 2001-2003 assessment. <p>THIS TASK HAS BEEN COMPLETED FOR THE 2002-2004 ASSESSMENT AND IS STILL UNDERWAY FOR THE 2003-2005 ASSESSMENT.</p>
	<p>TASK 5 Alberta Environment to assign action levels to PM_{2.5} and O₃ episodes.</p> <ul style="list-style-type: none"> Repeat analysis of ambient PM_{2.5} and O₃ ambient data after the episodes caused by background, natural and trans-boundary influences have been removed. Complete for 2001-2003 assessment. <p>THIS TASK HAS BEEN COMPLETED FOR THE 2002-2004 ASSESSMENT, AND WILL LIKELY BE COMPLETED FOR THE 2003-05 ASSESSMENT BY THE END OF MARCH.</p>
	<p>TASK 7 Alberta Environment to produce an annual PM_{2.5} and O₃ assessment report.</p> <p>THIS TASK HAS BEEN COMPLETED FOR THE 2001-2003 ASSESSMENT AND SHOULD BE COMPLETED FOR THE 2002-2004 REPORT BY THE END OF FEBRUARY.</p>
1.c.	<p>Management Framework Review It is recommended that the PM & Ozone Management Framework, including the process for annual analysis of ambient data, simplified mechanisms, and trigger levels, be reviewed by Alberta Environment after three years of practical application and implementation experience, and in conjunction with or immediately following the review of the Canada Wide Standard in 2006. This review should involve interested stakeholders and members of the public</p>
Status	<p>THE REVIEW HAS NOT YET BEEN INITIATED. AENV WILL LIKELY PLACE PRIORITY ON THE DEVELOPMENT OF THE MANAGEMENT PLANS FOR AFFECTED AREAS, RATHER THAN ON THIS REVIEW. IN THE MEAN TIME, AENV HAS BEEN KEEPING A RECORD OF TECHNICAL ISSUES THAT SHOULD BE CONSIDERED IN THE REVIEW.</p> <p>ONE OPTION FOR THE REVIEW WOULD BE TO FOLLOW THE SAME PROCESS USED FOR THE RECENTLY COMPLETED REVIEW OF THE FRAMEWORK FOR ACID DEPOSITION.</p>
2.	<p>Simplified Mechanisms It is recommended that Alberta Environment lead work on testing simplified mechanisms for determining when episodes are caused by transboundary transport, high background concentrations or natural events, especially for application at trigger levels below the numeric CWS, including simplified methodologies for performing the "Best Efforts Determination" outlined in the <i>Guidance Document for Achievement Determination</i>. This work should involve</p>

	Environment Canada and interested stakeholders, and should be completed by the end of 2004.
Status	<p><i>Alberta Environment has developed a simplified mechanism to be applied primarily to episodes that exceed the surveillance or planning triggers and are below the CWS exceedance trigger. Some of these simplified procedures will include: (1) grouping days with PM_{2.5} or O₃ levels higher than the surveillance/planning triggers into common time periods to account for episodes that last more than one day; (2) grouping areas with PM_{2.5} or O₃ levels higher than the surveillance/planning triggers into areas that are impacted by the same PM_{2.5} (e.g. forest fires) or O₃ (high background) mechanisms; and (3) real-time analysis of PM_{2.5} and O₃ data as events occur. The simplified mechanism was documented and circulated for comment to the former PM/O₃ working group members. Further discussion on the simplified mechanism is required.</i></p> <p><i>The procedure was presented to a small group of stakeholders and AENV explained the criteria used to back out episodes. The follow-up was that AENV would go through some episodes to show how they actually applied the simplified mechanisms. AENV is also looking at their flowchart and building in all the things the department actually does so everybody knows the scientific thinking behind each decision.</i></p> <p>A MEETING HAS BEEN HELD WITH ENVIRONMENT CANADA AND A WORKSHOP WITH INTERESTED STAKEHOLDERS IS BEING PLANNED FOR FEBRUARY OR MARCH 2007 (SEE ACTION ITEM 5.2).</p>
5.	<p>Background PM or Ozone Originating Outside of North America</p> <p>It is recommended that the Joint Action Implementation Coordinating Committee (JAICC) be asked to examine and identify further actions that should be taken to assess the nature of ozone originating from outside North America as well as any actions that should be pursued at an international level.</p>
Status	<p><i>JAICC no longer exists. Environment Canada and Alberta Environment were asked to bring this action forward to the AMC.</i></p> <p><i>Observations of trans-Pacific transport of pollutants started appearing in the scientific literature some years ago. In 1998 a major event occurred, where a significant quantity of Asian dust, originating from desert areas of western China, was lofted high into the atmosphere, transported across the Pacific and mixed down to the surface in western North America. This event caused high levels of PM₁₀ and PM_{2.5} at many sites from California to BC, and was even observed at sites east of the Continental Divide, such as Esther, AB and sites in Montana.</i></p> <p><i>This event provided an impetus for increased study of the issue and, since that time, there have been a significant number of studies published demonstrating trans-Pacific transport of dust, forest fire smoke, and industrial pollution including mercury, ozone, particulate matter, and nitrogen oxides.</i></p> <p><i>To investigate this transport, there have been several airborne observational studies, as well as the establishment of several high elevation monitoring sites in western North America. University of Washington operates a site on the Olympic Peninsula of Washington State and another site in the Cascade Mountains of Oregon. Environment Canada operates a monitoring site on top of Whistler Mountain.</i></p> <p><i>Collectively these studies demonstrate that with appropriate atmospheric conditions significant quantities of pollutants can be transported across the Pacific quite rapidly, in the order of 5-6 days. Most of the transport seems to happen in the mid troposphere. How often these pollutants are mixed to the ground in significant quantities and how great the contribution of that long-range transport is to average and peak levels is still an area of active research.</i></p> <p><i>For a FAQ on the subject there is a good website, belonging to one of the leading groups researching trans-Pacific transport, (http://faculty.washington.edu/djaffe/FAQs.htm). This site also has links to many peer reviewed papers on the subject.</i></p>

	CLAUDE CHAMBERLAND REPORTED LATER IN THE MEETING THAT TRANS-PACIFIC MOVEMENT OF POLLUTANTS IS NOT ON THE CURRENT WORKPLAN OF THE CCME'S AIR MANAGEMENT COMMITTEE.
7.	Monitoring The CASA PM & Ozone Project Team recommends to the Operations Steering Committee that the monitoring system for Alberta be reviewed and evaluated to determine whether changes are required to meet the needs of the proposed PM & Ozone Management Framework for Alberta.
Status	<i>In response to concerns raised regarding the collection of particulate matter and ozone ambient air quality data, the CASA Operations Steering Committee put forward a statement of opportunity for the formation of an Ambient Monitoring Strategic Planning Project Team with the task of reviewing and updating the 1995 Strategic Plan for the monitoring of Alberta's ambient air. The project team has started their work and has defined the PM&O3 Framework as a priority. The results from the 2001-2003 PM and O₃ assessment will be provided as information to the team for consideration of improvements to the strategic plan. The CASA team will consider improved strategic monitoring in areas that exceeded the CWS exceedance trigger. The CASA team will also evaluate monitoring for PM and O₃ in areas of the province that exceeded planning and surveillance triggers.</i> <i>A CASA project team is looking at an ambient monitoring strategic plan (AMSP) for Alberta and the team is aware of the outcome of the PM and O₃ assessment. CASA frameworks are important considerations in the AMSP update, but the locations for monitoring have not yet been discussed. The PM and O₃ assessments will be one criterion for deciding where monitoring will be done.</i> <i>The AMSP Team expects to have a draft plan by December, 2006 and may hold another workshop for further stakeholder review.</i> THE AMSP PROJECT TEAM CONTINUES TO WORK ON A DRAFT STRATEGY.
8.	Alberta Guidance Document c) Future Reviews It is recommended that the <i>Guidance Document for the Management of Fine Particulates and Ozone in Alberta</i> be reviewed and updated in conjunction with the review of the PM & Ozone Management Framework in 2006/07. Alberta Environment shall coordinate the review and involve interested stakeholders.
Status	<i>Alberta Environment will coordinate a review of the guidance document in 2006/07 in conjunction with the review of the framework.</i> THE REVIEWS OF THE MANAGEMENT FRAMEWORK AND GUIDANCE DOCUMENT HAVE NOT YET BEEN INITIATED.
10	Science and Analysis Recommendations
10.d.	It is recommended that the Operations Steering Committee be asked to investigate the usefulness of and the need for ambient PAN (peroxyacetyl nitrate) and additional ambient VOC monitoring in Alberta as part of its review of the ambient monitoring network.
Status	<i>The CASA Ambient Monitoring Strategic Planning Team is considering additional monitoring for chemicals that are precursors and components of photochemical smog such as PAN and VOCs. The team is considering that emphasis for additional monitoring of these chemicals could be placed on areas of the province with PM_{2.5} or O₃ levels that were higher than the CWS exceedance trigger based on the 2001-2003 assessment. This will involve consideration of additional monitoring upwind and downwind of exceedance areas during photochemical smog events. Results from this type of monitoring would assist in future annual PM and O₃ assessments while also providing information that can be used to identify sources and to take the appropriate actions in exceedances areas.</i> THE OPERATIONS STEERING COMMITTEE IS PROVIDING INPUT TO THE STRATEGIC PLANNING TEAM REGARDING THE NEED TO MONITOR THESE CONTAMINANTS.

10.e.	It is recommended that Alberta Environment take the lead in conducting scenario analyses for the provincial and regional Criteria Air Contaminants (CAC) emission forecasts. These analyses could include, among other factors: the potential impact of new performance standards for the electric power sector, the pace and magnitude of oil sands development projects, the potential effects of additional bitumen upgraders, the potential effects of climate change policy initiatives affecting greenhouse gas (GHG) and CAC emissions, the potential effect of new standards for on- and off-road vehicles, and changes to economic projections. A report on this work to be delivered to the CASA Board in 2005.
Status	<p><i>NOT COMPLETE: This work is currently not on the workplan. The question was raised whether AENV should be the main implementer for this action as most of the work is done by the Environment Canada's Pollution Data branch. This work needs to be completed for the areas that need to develop management plans. AENV is not resourced to do this work. It was suggested that AENV needs to allocate resources to deal with these issues as it affects the management plan development. The forecast is produced by Pollution Data branch and is broken down by province and sector.</i></p> <p><i>Environment Canada and the provinces working together on the Emissions Projection Working Group (EPWG) have produced an emissions forecast based on the 2000 national inventory.</i></p> <p><i>Environment Canada has done some work. The 2002 CAC inventory is out, and they are working on the 2003 inventory. Better emissions data are needed and it may be desirable to do another inventory similar to that done by ChemInfo.</i></p> <p>ENVIRONMENT CANADA IS UNDERTAKING AN UPDATE TO THE CHEMINFO PROJECT, AND EXPECTS TO COMPLETE IT BY END OF MARCH.</p>
10.f.	<p>It is recommended that the 1999 recommendation of the Alberta multi-stakeholder group for particulate matter and ozone (MSG) regarding source apportionment be renewed and continued, whereby Alberta Environment takes the lead in:</p> <ul style="list-style-type: none"> i) Conducting further research on source apportionment to ensure that: <ul style="list-style-type: none"> - Source profiles are accurate, reliable, comprehensive and appropriate for Alberta emitters, - Data are gathered on additional ambient species and the way in which they fluctuate over time, and - Models most appropriate to the Alberta situation are used and that expertise is available to correctly interpret the results. ii) Collaborating with other jurisdictions to improve methodologies for source apportionment modelling, data collection, study design and interpretation of results.
Status	<p><i>Complete. Alberta Environment provided an update presentation to the CASA board at their September 2005 meeting.</i></p> <p><i>When the framework is reviewed, the status of this item and the need to establish timelines should be considered.</i></p> <p>CONSIDER THIS FULLY IMPLEMENTED AND REMOVE FROM THIS TABLE.</p>

No.	Other Reporting Requirements (From: Guidance Document for the Management of Fine PM and O₃ in Alberta (2003))
G 10.1	<p>Provide a 1-2 page written report to CASA, airshed zones on the PM_{2.5} and O₃ analysis annually.</p> <p>Provide a non-technical version of this document for the public.</p> <p>Provide a separate 1-2 page written report on activities and programs that relate to CI and KCAC. These activities and programs may include, but are not limited to modeling, monitoring network expansion analyses, pollution prevention activities, emission minimization, emission reduction, new guidelines, codes of practice and research.</p>
Status	<p>NOT COMPLETE:</p> <p><i>A draft report for the 2002-2004 assessment was provided. The report needs to be finalized. Not completed were the public report, and update on Continuous Improvement and Keeping Clean Areas Clean.</i></p> <p><i>Not completed are any of the reports for the 2002-2004 assessments.</i></p>

No.	Other Reporting Requirements (From: Guidance Document for the Management of Fine PM and O ₃ in Alberta (2003))
	<p><i>Three reports are needed as per the action. A short draft went to the CASA board in 2005; it will be updated and finalized in the next couple of months and released through AENV's process by the end of the summer.</i></p> <p><i>The implementer for the third report on Continuous Improvement & Keeping Clean Areas Clean is not clear and this report has not been addressed at all.</i></p> <p>Action Item 5.3 AENV to follow up on this 2-page progress report on Continuous Improvement & Keeping Clean Areas Clean.</p>
G 10.2	Provide an annual report on Achievement of the CWS by each jurisdiction in a standardized "report card" format. The format to be developed and agreed to by all jurisdictions, and provided to Ministers and the public by 30 September of each year, beginning in 2011.
Status	<p>NOT COMPLETE <i>The format will be part of the 06 Canada-Wide Standards comprehensive report. The CWS report is a CCME requirement.</i></p> <p>NO NEW INFO.</p>
G 10.3	Provide a five-year comprehensive report for the year 2005 and for every fifth year thereafter to Ministers and the public by 30 September of the following year. The report will be an interim report on progress towards meeting the CWS, and subsequent reports will focus on achievement of the CWS applicable at that time.
Status	<p><i>Complete for 2005. AENV reported by September 30, 2006, but report is not quite finalized and document is with AENV communications and should be done in a few weeks. NOTE: CCME was to pull all jurisdictional reports together, but has missed their deadline.</i></p> <p>THE REPORT HAS BEEN COMPLETED. CONSIDER THIS FULLY IMPLEMENTED AND REMOVE FROM THIS TABLE.</p> <p>Action Item 5.4 Crystal Parrell will provide Brian Free with the link to the five-year progress report (2005) for the Canada-Wide Standard. Brian will forward it to the Team.</p>

b) Review of Management Framework.

- Not yet initiated. See Item 1c, above, under "Summary of recommendations that have not been fully implemented".

c) Review of Guidance Document.

- Not yet initiated. See Item 8, above, under "Summary of recommendations that have not been fully implemented".

d) Update on the notification of stakeholders regarding the results of the 2001-2003 assessment

AENV sent the letter to about 560 stakeholders in the affected areas near the end of November. This included municipalities, approval holders, airshed managers, ngo's and other government departments. It included a fact sheet on the assessment results. AENV received about a dozen phone calls from recipients. AENV's response was that management plans will be developed through the affected airshed groups.

Lisa Strosher received phone calls from recipients of the notice letter in her region. Some confusion exists and a meeting with stakeholders would be helpful. Support from AENV will be needed for this.

Myles Kitagawa reported that the Alberta Central Airshed Society wants to meet with other airsheds before meeting with AENV on this issue.

Kevin Warren reported that Parkland Airshed Monitoring Zone is already meeting with affected municipalities in their region. He noted that there was some confusion regarding the letter sent to PAM Zone stakeholders regarding meetings in Calgary. Crystal Parrell suggested that there may have been some communities on the Calgary CMA list that should have been on the PAMZ list.

Action Item 5.5 Crystal will provide Lisa and Kevin with two lists:

- **the list of the communities in the Calgary CMA that received the Notice, and**
- **a corrected list with communities in the PAM Zone removed.**

Break – The meeting paused for a comfort break, following which John Taggart addressed the meeting.

New Agenda Item: **Presentation by John Taggart, AENV**

Bob Myrick introduced his boss, John Taggart, Head of AENV's Evaluation and Reporting Section. Team members introduced themselves.

John expressed his appreciation for this opportunity and provided information on Alberta Environment's recent re-alignment and a proposed project charter to pursue further research in support of PM and ozone management.

Alberta Environment's Re-alignment

John described a recent re-organization of Alberta Environment. A photocopy of the new Org Chart was distributed.

Three main Divisions and a special Oil Sands unit reporting to Peter Watson;

1) Environmental Stewardship (ADM – Bev Yee)

- Water for Life Strategy
- Partnerships, e.g. Watershed Planning Advisory Committees, Airsheds, etc
- Includes a review of the Clean Air Strategy as a focus area

2) Environmental Assurance (ADM – John Knapp)

- Includes the air monitoring and reporting function
- Regional monitoring people, who reported previously to the ADM of Regional Services, are now part of this Division. This broadens the Air Management Team and makes it more complete.
- A new branch was created, Information Management Branch. Among other things, it will enhance the sharing of information among partners and stakeholders.

3) Environmental Management (ADM – Jim Ellis)

- Much of the regional operations.
- Includes river flow forecasting and Alberta's Emergency Response Team

4) Oil Sands Environmental Management (ADM - Jay Nagendran)

- Includes the EIA reviews and other programs related to Alberta's oil sands.

Proposed strategy for AENV's support for Management Plans related to PM and ozone

John described the elements of a "project charter" being submitted for AENV's Executive Committee's discussion/approval on February 15. It describes how AENV can support the development of PM & ozone management plans. Charter approval is needed to acquire adequate financial resources for management plan development. Also need to secure the required resources for the AENV team involved in support for this planning exercise.

Strategies will likely focus on reducing episodes of high ambient concentrations, rather than a general reduction of ambient levels.

Challenges:

- What and where are the anthropogenic sources of PM and ozone? Emissions inventories are needed.
- An ability to forecast when conditions are ripe for PM/ozone episodes is important.
- What is being done in other parts of the world?

John described this as a “knowledge system” that AENV will be able to bring to the table. The intent is to develop place-based solutions. One option is to derive leadership from the affected airshed organizations with AENV as a partner. If the airsheds can’t/won’t lead, AENV will step in. Recognizes that Environment Canada may be an interested partner.

Discussion

Is a meteorological model needed? That will be one component. Emissions modeling is another. Will the NPRI still serve as the one-window for industrial emissions data collection? There is concern that a duplication of effort may result.

Better sharing of information will help. The inventories should include some of the precursors and perhaps greenhouse gases.

There is an opportunity to complement the forecasting work of Environment Canada.

The Fort Air Partnership is already pursuing the development of an emissions inventory for Fort Saskatchewan industries.

The creation of a single source for emissions information would benefit local communities.

Environment Canada is already pursuing emissions forecasting. Rachel described the emissions inventory work being pursued. AENV could help with sources of biogenic emissions and other areas.

Other emissions sources to consider include those below NPRI levels and sources that are not subject to an approval.

It was noted that cities have good information at a local level of detail and can help to build inventories from the bottom up. This could complement action to build from the top down.

In concluding, John noted that Alberta Environment’s resources are fairly tight. An expression of support from this Team would be helpful. Team members felt that specific support for the proposed Charter was inappropriate because the proposed charter itself has not been presented. However, the Team agreed that a letter in general support of the approach outlined by John would be appropriate.

Action Item 5.6 Bob Myrick will put together a draft letter of support for the proposed program described by John Taggart. Brian Free will arrange a conference call among the Team’s three co-chairs to discuss the letter. Myles Kitagawa will brief the ngo co-chair, Ian Peace, on this matter.

Action Item 5.7 Brian Free will add an agenda item for an update about this AENV Project Charter to the Team’s next meeting agenda.

Lunch: A half-hour lunch break was taken.

After lunch, Claude Chamberland called the meeting to order and continued with the agenda.

2e) Update on the results and timing for the release of new assessments.

2002-04 Assessment

The report for the 2002-04 assessment has been completed and AENV’s Communications staff are evaluating the timing of its release.

2003-05 Assessment

Andrew Clayton of AENV presented a PowerPoint presentation, highlighting the results of the 2003-05 assessment.

Highlights:

- Edmonton still exceeded the trigger level for management planning.
- Several other communities, who are required to develop a management plan based on the 2001-03 assessment, have dropped below that trigger to the surveillance level. This includes Calgary, Caroline, Red Deer and a few others.
- Particulate matter was generally a bit higher in 2003. Calgary stations were affected by forest fires in the region.
- No increase in ozone levels from 2002-04 to 2003-05.

A copy of the presentation will be distributed to team members.

Action Item 5.8 Brian Free will distribute a copy of Andrew's PowerPoint presentation to the Team.

Discussion:

- Questions were raised about changes in the stations contributing to these assessments. Andrew explained that the effect of adding new stations to the assessment can only raise the management level.
- A desire for a direct comparison with the previous assessments was expressed. This would be problematic because some stations have been removed and/or added in subsequent years. Area assessments would be based on a different set of stations.
- A question was raised concerning the ozone level reported for the Caroline station in 2004.

Action Item 5.9 Andrew Clayton will check the 2004 ozone data for the Caroline station.

2004-06 Assessment

AENV's analysis for the 2004-06 assessment can begin within a couple of months.

Communications related to the annual assessments

Several points were raised during the discussion of the 2003-05 results.

- The assessment reports will be read by the parties receiving notice regarding required management planning. Some key audience members, a mayor, for example, will want to easily find the relevant section of the report that relates to his/her community. This will also make it easier for Project Team members to brief local decision-makers.

Action Item 5.10 Crystal Parrell will consider how best to revise these assessment reports to make them more reader-friendly to non-technical stakeholders.

- It was pointed out that some communities that triggered management planning in the 2001-03 assessment have fallen below that trigger level in the 2003-05 assessment. The requirement for a plan will continue, i.e. once triggered, the plan must be completed. However, it may be difficult to convince a stakeholder to take this seriously and commit their limited financial and staff resources, when the more recent assessment appears to let them off the hook. This raises some concerns about the timing and messaging for the release of the next assessment reports.
- The 2002-04 assessment did not change any of the triggered management levels, and so this problem does not arise for that report. This assessment report can be released as soon as practical. For the 2003-05 and subsequent reports, a suggestion was made to package the results with the previous assessments to provide proper context and better explain how the trigger levels apply.

Action Item 5.11 Bob Myrick will re-evaluate the communications plan related to the upcoming report releases, taking the points raised by the Project Team into consideration.

3 Update on the CCME Air Management Committee

Claude Chamberland reported on an AMC workshop he attended. It was intended to obtain advice from stakeholders concerning the proposed AMC workplan.

Claude reviewed the list of a dozen stakeholders on the advisory panel and reviewed the proposed workplan. No changes are expected in the consultation process.
The new Clean Air Act will not likely create new activities for the Committee. Work will continue to finish current reports.

New Agenda Item: Update on the CCME PM & Ozone Coordination Committee by Long Fu, AENV

The PM & Ozone Coordination Committee supports the work of the Air Management Committee (AMC). They are still working on finalizing their terms of reference.

Their work involves two phases:

Phase I 2005-08 Info Gathering

During this phase, jurisdictions will implement the Canada-wide standards for PM and ozone.

Phase II 2009+ Review Phase

The Committee will decide whether changes are needed in the Canada-wide standards.

Long Fu provided the Team's input to the committee regarding stakeholder involvement. The Guidance Document on Achievement Determination (GDAD) has been posted and is being used by other jurisdictions. The comments from Claude and Andrew were incorporated. Keeping Clean Areas Clean (KCAC) – All parties signed on, with the exception of one paragraph. Alberta is the only jurisdiction with the KCAC in our implementation plan. National monitoring of PM is being reviewed by the NAPS manager. Coordination Committee Chair will send a letter to all jurisdictions asking for a progress report. For Alberta, this includes emissions inventory, source apportionment, assessments, health and wellness exposure studies.

Discussion

Discussion about the monitoring technology acceptable for continuous monitoring of fine particulate matter (BAMs versus TEOMs). This will be discussed at the NAPS technical meeting in March. Concern was expressed that the issue about the international movement of pollutants may fall off the table. Long reported that there was a fairly new research program related to Pacific Rim / Inter-hemispheric movement of pollutants.

Action Item 5.12 At the Team's next meeting, Rachel Mintz will provide an update on this research project on inter-hemispheric movement of pollutants.

Long noted that the National Round Table on Environment and Economy will be examining the CWS for PM and ozone and how they relate to ambient standards. Long is attending an NRTEE meeting and invites this Team to provide input.

A concern was expressed that this may produce a new, different set of ambient standards over and above the CWS. Were the CWS not the only game in town? It was pointed out that there is recognition in the standards that a "political" component plays a role.

4 Updates on new airshed zones

Calgary

Lisa Strosher reported that the Calgary Regional Airshed Zone Society was incorporated on January 16. The membership has not been finalized. An invitation to an April meeting is being sent to stakeholders, including those who received a Notice related to the 2001-03 PM & ozone assessment.

One stakeholder has been unsupportive of this airshed zone formation.

The Society has applied for funding to operate Calgary's three monitoring stations.

Still need to hire a Project Manager.

The feasibility has been completed, but the precise boundaries are still to be finalized.

This is not yet a "CASA-endorsed" airshed, but progress is being made.

Central (Edmonton)

Myles reported that the Alberta Central Airshed Society was incorporated in August. It has applied for funding from the Capital Health Region and Alberta Environment. AN RFP has been issued to complete the evolution to a full airshed. This includes recruitment on new members. The boundaries for this airshed follow those of the Edmonton CMA, minus areas within the Fort Air Partnership and Parkland Airshed Management Zone. There is good support from the City of Edmonton, but no response from other municipalities. Will attempt to reach them via the Alberta Capital Region Alliance (ACRA). There has been good support from the Strathcona Industrial Association. They intend to hand over their monitoring program to the airshed, once the airshed is up and running. Have received about 9 enquires regarding the Notice related to the 2001-03 assessment.

New Agenda Item: Update on Parkland Airshed Management Zone

The PAMZ Ozone Management Committee met in January will be meeting again in March. There is a Data Management Sub-group. All sectors are engaged and they may recruit a “general public” representative. The terms of reference have been finalized. Wrote a letter to Peter Watson requesting support. News release about the 2001-03 assessment was picked up by the Mountainview Gazette on Tuesday January 2 (www.mountainviewgazette.ca) For this news release, it was difficult to locate an appropriate information source in the area to cover the health-related questions.

Action Item 5.13 Lisa Strosher will advise Kevin Warren as to who is the air quality “point person” for the David Thompson Regional Health Authority

PAMZ has requested use of AENV’s portable air monitoring instrument to measure ozone east of the airshed. They are seeking to create a west-to-east ozone profile across the airshed.

PAMZ is scheduling meetings with local municipalities.

Their next step is to develop a PM-Ozone management plan.

Claude Chamberland skipped Item 5. on Future Work of this Implementation and deferred it until we had heard the CASA update. (Item 6).

6 Other Business/CASA Updates

CASA Update

Jillian Flett offered an update on progress the other CASA teams are making. The Renewable & Alternative Electricity Team and Energy Conservation & Efficiency Team are both winding up. They will both be recommending management frameworks. A review of the CASA vision is being undertaken. How best to incorporate “odour” is the main focus. A cross-Canada Executive search is being undertaken, as Jillian is serving a one-year term as Acting Executive Director.

ChemInfo Report

Rachel reported that the ChemInfo report is being updated and will include the addition of upstream oil & gas industry. GIS components are being incorporated to allow the assembly of data from different geographic areas.

Action Item 5.14 As soon as it is available, Rachel Mintz will make a draft available to Team members of the updated ChemInfo Report.

5 Future work of this Implementation Team

Claude led a discussion of the future work of this Team. Two areas of interest remain:

- 1) Review of the Framework and Guidance Document
- 2) Some form of guidance or support for the development of Management Plans.

A guidance document should not be a precise template because the needs for each planning area will be different. The important components of a plan should be explained.

This team is needed for its technical knowledge. The Airsheds Council will be focusing at a “higher” level.

This team needs to see more progress in the preparation of Management Plans

Action Item 5.15 Brian Free will add the Project Team’s workplan to the agenda for the next team meeting.

7 Next Meeting

Action Item 5.16 Brian Free will poll the team for a meeting date in October.

The meeting adjourned at 3:29 pm.