

Minutes



PM and Ozone Implementation Team, meeting #11

Date: Wednesday, September 30, 2009
Time: 10:00 am to 3:00 pm
Place: CASA Office, Edmonton

In attendance:

Name

Claude Chamberland
Bob Myrick
Myles Kitagawa
Darcy Walberg
Ian Peace
Sara Barss
Jill Bloor
Kevin Warren
Linda Jabs

Stakeholder group

Canadian Petroleum Products Institute (CPPI) and CAPP
Alberta Environment
Toxics Watch Society
Agrium
Residents for Accountability in Power Industry Development
TransCanada
Calgary Regional Airshed Zone
Parkland Airshed Management Zone
CASA

With regrets:

Name

Rick Ciezki
Karina Thomas
Beth Michener
Linda Harvey
David Day
Keith Murray
James Tweedie
Dennis Stefani
Mike Pawlicki
Krista Phillips
Shane Lamden

Stakeholder group

City of Calgary
Alberta Health & Wellness
EPCOR
City of Calgary
City of Calgary
AFPA
Bert Riggall Environmental Foundation
Alberta Health Services (Calgary and area)
Lafarge Canada
Canadian Association of Petroleum Producers
NOVA Chemicals

Guests:

Crystal Parrell
Andrew Clayton
Gustavo Hernandez (observer)

Alberta Environment
Alberta Environment
CASA

Bob Myrick chaired the morning portion of the meeting, which convened at 10:00 a.m. Bob also briefed team members on the items that Andrew would be presenting. Quorum was achieved.

Action Items:

Action items	Who	Due
10.2: Myles, Linda Harvey and Kevin are to send the final Ozone Management Plans to Linda for distribution to the team. They are to be clearly marked “not for distribution”.	Linda Jabs	October 15/09
11.1: Linda to resend the June 16, 2009 version of “Keeping Clean Areas Clean and Continuous Improvement” to the team.	Linda Jabs	October 26/09
11.2: Linda to create a standing agenda item to track the progress of the implementation of the PM and Ozone Monitoring Sub-program.	Linda Jabs	Next meeting
11.3: Linda to bring the external processes recommendation to the Communications Committee.	Linda Jabs	October 30/09
11.4: Myles to advise when the Clean Air Energy caucus has selected a successor for James and include familiarity with a developed ozone management plan as a selection criteria.	Myles Kitagawa	Nov 15/09
11.5: Andrew to send a link from the Google Earth Map at the CASA Data Warehouse (CDW) to Linda showing the ECMA and Linda will forward it to the team.	Andrew Clayton Linda Jabs	Nov 15/09
11.6: Andrew will check on the Caroline station, finish the PM analysis and determine what is happening at Crescent Heights and report back to the team.	Andrew Clayton	Nov 15/09
11.7: AENV to research acquiring the meta data and the criteria used to make the decisions with respect to fire episodes and make a determination if this information will be useful in making an assessment.	Andrew Clayton Linda Jabs	Nov 15/09
11.8: Linda will poll for dates for a meeting in February 2010.	Linda Jabs	Dec 11/09

1) Administration

a. Welcome and Introductions

Introductions were made around the table. Sara Barss from TransCanada was welcomed to the team.

b. Approve meeting objectives and agenda

- Additional items were added to the agenda under Administrative Items, which were the Review of the Status of Recommendations and Team membership. The agenda was approved by consensus.

c. Review and approve minutes from meeting #10

- Once the changes discussed at the meeting have been incorporated into the minutes they are approved by consensus.

d. Review action items from Meeting #10:

Action items	Status
8.3: Once the 2007 assessment has been completed and the fact sheet is updated (January 2009), Bob will circulate the 4-page fact sheet summarizing the 2001-2007 comprehensive report to the team.	Done. Bob sent the link to the team.
8.6: Bob will forward the revised Keeping Clean Areas Clean and Continuous Improvement document, which is a summary for the Province, in the next few weeks and team members are to provide input.	Linda will forward the June 16, 2009 final version to the team members and this item is considered complete
9.1: Erin to send the draft Calgary plan to Linda for distribution to the team.	This action item will be combined with item 10.2 . Done.
10.1: Dennis Stefani to check on the wording regarding “backing out” under the CWS and report his findings to Linda for distribution to the team.	Done.
10.2: Myles, Linda Harvey and Kevin are to send the final Ozone Management Plans to Linda for distribution to the team. They are to be clearly marked “not for distribution”.	This item will incorporate Action Item 9.1. Team is still awaiting one management plan. Ongoing.
10.3: PM and Ozone team is to itemize areas for improvement and bring it back to the team for review and comment.	This will be addressed under Item 4 on today’s agenda.
10.4: Team members are to provide Linda with the names of technical stakeholders to be invited to the September meeting.	This item has been cancelled and will be discussed in today’s meeting.
10.5: Linda to draft a Status Report for the CASA Board on the change in the scope of the Framework Review to be included at the next CASA Board meeting on June 24, 2009. Team members to review and comment by Tuesday, May 26, 2009.	Done. Status Report was included in June 24 Board meeting.
10.6: Linda will poll for dates for a meeting in September 2009.	Done.

There were no additional comments received on the “Keeping Clean Areas Clean and Continuous Improvement” document. The team will confirm whether or not it was backing out or best efforts that was to be clarified from previous discussions.

The team agreed that the Ozone Management Plans were to be distributed to team members and there were no concerns with distributing it to their various stakeholder groups. At this point in time they are not intended for wide distribution.

Action Item 11.1: Linda to resend the June 16, 2009 version of “Keeping Clean Areas Clean and Continuous Improvement” to the team.

Notes on Status of Recommendations in the PM and Ozone Management Framework:

Item 1(c): The Management Framework Review has been postponed until a full cycle of the implementation has been completed.

Item 7: Monitoring – The AMSP has been approved by the CASA Board and this item can now be removed from subsequent lists. It will become a standing agenda item addressed at future meetings.

The team agreed that Bob is to be the lead on this agenda item and the airsheds will provide input as necessary. The team further agreed that they will be tracking stakeholder progress with respect to ozone monitoring. A new recommendation could be made to the CASA Board with respect to the Ozone Monitoring sub-program under the AMSP.

Action Item 11.2: Linda to create a standing agenda item to track the progress of the implementation of the PM and Ozone Monitoring Sub-program.

e. CASA Update:

Linda advised that the Ambient Monitoring Strategic Plan was accepted by the CASA Board on September 23, 2009. There were 26 consensus recommendations and 2 non-consensus recommendations contained in the report. The Board agreed that the AMSP report, together with the accompanying transmittal letter to the Ministers, will contain a consensus expectation that within 18 months, there will be a funding mechanism developed for open source emitters.

The CASA Communications committee will be holding a coordination workshop, currently scheduled for spring 2010, with assistance as required from the CASA Secretariat. Given the number of air quality policies under development at the provincial and federal levels, a theme that the Communications Committee should consider for the next coordination workshop is CASA coordination with external processes.

The team agreed that Linda was to advise the Communications Committee of this project team's commitment to include outside processes and stakeholders in order to improve overall coordination efforts.

Action Item 11.3: Linda to bring the external processes recommendation to the Communications Committee.

f. Membership:

Myles advised that James Tweedie of the Bert Riggall Environmental Foundation was regrettably resigning from the project team due to time commitments. Team members thanked James for his contribution, particularly from an historical perspective as James had worked on past PM and Ozone teams. The team also wished him well in his future endeavours.

Myles advised that the Clean Air Energy caucus would look for a successor for James and include familiarity with a developed ozone management plan as a selection criterion.

Action Item 11.4: Myles to advise when the Clean Air Energy caucus has selected a successor for James and include familiarity with a developed ozone management plan as a selection criteria.

2) Presentation of Final Assessment Results for 2006-08

Andrew Clayton from AENV presented the draft final assessment results for 2006-2008, a copy of which has been attached as Appendix "A" to these minutes. He advised that more ozone stations are coming on-line over time and Steeper is not presently listed, but it will be coming back. Station 401 will be moving to Bruderheim to monitor for ozone and it will be another monitor in the Edmonton CMA (ECMA), thereby adding to the average. The ECMA is large and covers many stations in the West Central and Fort Air Partnership airsheds. The meta data will have to include an explanation and a means to manage the data.

The team agreed that AENV (Andrew) will check on why Caroline data completeness is only at 87% for 2008 and evaluate the Crescent Heights station based on backing out data and report back to the team.

Action Item 11.5: Andrew to send a link from the Google Earth Map at the CASA Data Warehouse (CDW) to Linda showing the ECMA and Linda will forward it to the team.

Crescent Heights has exceeded the management plan action level and the Palliser Airshed will have to be notified by AENV that a management plan will have to be undertaken.

3) Presentation and Discussion of Analysis Procedure

Andrew presented the process used by AENV to evaluate the PM and Ozone Monitoring data and this presentation is attached as Appendix "B" to these minutes. The documentation that is used in the analysis is available for viewing.

The team broke for lunch at this point and Claude came back as chair for the afternoon portion of the meeting.

Discussion ensued regarding going forward, particularly with respect to the Guidance document section 8.2, which will be covered under the next agenda item. More guidance is required from the CASA Framework triggers, which are slightly different than the Guidance Document on Achievement Determination (GDAD) which states that you must demonstrate that you are managing your best efforts.

Management plans are meant to be flexible and take into account all the events that are going on i.e. the appropriate inputs and common models to use. When the CWS must be followed, best efforts must be demonstrated.

Action Item 11.6: Andrew will check on the Caroline station, finish the PM analysis and Determine what is happening at Crescent Heights and report back to the team.

4) Proposed Changes to Analysis

Andrew provided the team with a handout outlining the “*Issues for Consideration for the Revision of the CASA PM and Ozone Framework*” which is attached as Appendix “C”. This will be the first step of the technical review so that there is a common understanding used for the full review. A CMA is defined by Statistics Canada, which is not ideal for monitoring purposes. The principle of the CASA Framework is that the closer you are to the CWS, the more stringent the actions have to be.

For example, when do you stop the backing out process? More information is needed before any decisions can be made on the final rounding of action levels. Under a full Framework review there should be a clearly defined process, which includes understanding the full consequences of the decisions. To reflect the intent of the Framework, all transboundary, background and natural episodes should be backed out in order to determine if a management plan is needed, based on a 3-year average (see Framework document p. 36).

Action Item 11.7: AENV to research acquiring the meta data and the criteria used to make the decisions with respect to fire episodes and make a determination if this information will be useful in making an assessment.

The team agreed that from this point forward, AENV should back out natural and transboundary values below the triggers.

5) Update on PM & Ozone Management Plans

Calgary Region Airshed Zone:

- They are into what they are referring to as their Phase II of Implementation.
- Five tasks have been identified that could be completed by March 2010
- They are looking to bring together stakeholders and the CRAZ membership
- They are going to be undertaking a community based social marketing (CBSM) project with respect to carpooling.

Alberta Capital Airshed Alliance:

- They have issued an RFP for network assessment of the Ozone Management Plan and data analysis. A final report is expected in March that will be assessing the effectiveness of the network and data that can be used in other assessments.
- A work planning session is schedule for October 22.

Parkland Airshed Management Zone:

- PAMZ is going into an implementation phase focussing on short-term actions and anticipate three sets of deliverables by March, 2010. They will be doing a data gap analysis looking at Ozone and ozone precursors and making recommendations.
- The deliverables are looking at the NPRI and assessing ozone precursor compounds, outreach and education and they will issue a specific ozone management report.

6) Other Business, Next Steps

Next Steps:

- A decision on Crescent Heights will be made by e-mail.
- A process will be established for changing the Guidance document.
- Linda to poll for dates in February 2010 for a workshop to finalize the technical review

Action Item 11.8: Linda will poll for dates for a meeting in February 2010.

The meeting was adjourned at 3:10.

Status of Recommendations in the PM & Ozone Management Framework that have not yet been fully implemented

Updated after Meeting #9, December 12, 2008
PM & Ozone Implementation Team

1.	Management Framework Recommendations
	<i>Actions under the framework</i>
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>
<i>Status</i>	<p><u>February 2007 Update:</u> 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. 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> <p><u>Oct 2007 Update: No new information.</u></p> <p><u>May 2008: To be undertaken in 2009.</u></p> <ul style="list-style-type: none"> ▪ Note: The Canada Wide Standards (CWS) were reviewed and it was decided that there will be no changes until 2010. Since we are reviewing the Management Framework in 2009, the new 2010 CWS might affect parts of the Framework after our review. However, we will be able to include the new CWS in our 2011 review. The 2009 review can focus on Alberta specific items. <p><u>September 2008: The assessment is underway and draft Ozone information is due at the end of 2008.</u></p> <p><u>December 2008: This assessment will be part of the Ozone Management Framework Review which has been delayed to late 2009/2010.</u></p> <p><u>May 20, 2009: No change in status.</u></p> <p><u>September 30, 2009: This item will be postponed indefinitely until a full cycle of the implementation has been completed.</u></p>
7.	<p>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.</p>
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</i>

	<p><i>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></p> <p><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></p> <p><i>The AMSP Team expects to have a draft plan by December, 2006 and may hold another workshop for further stakeholder review.</i></p> <p><u>February 2007 Update:</u> The AMSP project team continues to work on a draft strategy.</p> <p><u>Oct 2007 Update:</u> The draft strategy is still underway.</p> <p><u>May 2008:</u> No change in status.</p> <p><u>September 2008:</u> No change in status.</p> <p><u>December 2008:</u> PM and Ozone highlighted for implementation subprogram of the AMSP, which has been designated as a high priority component. This will be a future agenda item to have someone speak to it.</p> <p><u>May 20, 2009:</u> Improvements to ozone monitoring is a component of the Ozone Management Plans submitted by the 3 airsheds.</p> <p><u>The Ambient Monitoring Strategic Plan Project Team has been working for several years on an enhanced Ambient Monitoring Strategic Plan for the Province of Alberta. There are currently three items of non-consensus, namely: the implementation timeframe, the certainty of funding for an expanded network and application of the funding formula. At the March 23 Board meeting, AENV agreed to report back on their short and long term funding capabilities and priorities with respect to the AMSP.</u></p> <p><u>Alberta Environment was to address the issues related to funding the proposed AMSP with the following steps:</u></p> <ul style="list-style-type: none"> (a) <u>Alberta Environment will review its priorities and the flexibility in its budget to fund some of the priorities in the short-term.</u> (b) <u>Alberta Environment will commit to take reasonable action to develop a mechanism (or options) for more robust long-term funding, including how to address the industry "free rider" problem, and to subsequently champion this mechanism with the GOA.</u> (c) <u>AENV will report back to the CASA Board in June on a potential short-term plan and share some preliminary thinking with respect to longer term options.</u> <p><u>September 30, 2009:</u> The Ambient Monitoring Strategic Plan was approved by the CASA Board on September 23, 2009. This item will be removed from subsequent lists and will become a standing agenda item at future project team meetings. Bob Myrick will lead this item and the airsheds will provide input.</p>
8.	<p>Alberta Guidance Document</p> <p>c) Future Reviews</p> <p>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 &</p>

	Ozone Management Framework in 2006/07. Alberta Environment shall coordinate the review and involve interested stakeholders.
Status	<p><i>Alberta Environment will coordinate a review of the guidance document in 2006/07 in conjunction with the review of the framework.</i></p> <p><u>February 2007 Update:</u> THE REVIEWS OF THE MANAGEMENT FRAMEWORK AND GUIDANCE DOCUMENT HAVE NOT YET BEEN INITIATED.</p> <p><u>Oct 2007 Update:</u> The review will likely occur in 2009.</p> <p><u>May 2008:</u> To be undertaken in 2009.</p> <p><u>May 20, 2009:</u> This will be undertaken at the same times as the CASA Framework Review in late 2009/2010.</p> <p><u>September 30, 2009:</u> This item will be postponed indefinitely until a full cycle of the implementation has been completed.</p>
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	<p><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></p> <p><u>February 2007 Update:</u> THE OPERATIONS STEERING COMMITTEE IS PROVIDING INPUT TO THE STRATEGIC PLANNING TEAM REGARDING THE NEED TO MONITOR THESE CONTAMINANTS.</p> <p><u>Oct 2007 Update:</u> This issue is included in the draft Ambient Monitoring Strategic Plan.</p> <p><u>MAY 2008:</u> Ambient Monitoring Strategic Plan includes recommendations to monitor PM and VOCs. Action will be taken once the Strategic Plan is approved by the Board.</p> <p><u>September 2008:</u> No change in status.</p> <p><u>December 2008:</u> No change in status.</p> <p><u>May 20, 2009:</u> Please see response in #7 above. This is part of the Ozone Monitoring sub-program of the AMSP.</p> <p><u>September 30, 2009:</u> The Ambient Monitoring Strategic Plan was approved by the CASA Board on September 23, 2009. This item will be removed from subsequent lists and will become a standing agenda item at future project team meetings. Bob Myrick will lead this item and the airsheds will provide input.</p>

	<p>Other Reporting Requirements (From: Guidance Document for the Management of Fine PM and O3 in Alberta (2003))</p>
G 10.1	<p>c) 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: <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> <i>Not completed are any of the reports for the 2002-2004 assessments.</i></p> <p><i>Three reports are needed as per the action.</i> <i>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> <p><u>Oct 2007 Update: Expected by this Team's next meeting.</u></p> <p><u>May 2008: No new information.</u></p> <p><u>September 2008: a) and b) are on-going items and the team will be updated annually. For the Continuous Improvement Report, Bob Myrick presented a draft document for the team's consideration (see discussion in minutes).</u></p> <p><u>December 2008: Circulated with the draft of these minutes.</u></p> <p><u>May 20, 2009: Items (a) and (b) are ongoing items and can be dealt with as necessary at future meetings. They will be removed from this list going forward.</u> <u>Item (c): There is a draft version being worked on and the final should be completed in the next few weeks, even as early as mid-June.</u></p> <p><u>September 30, 2009: Item (c) has been completed and will be updated on a regular basis in the future. This action item will now be removed from the list.</u></p>
G 10.2	<p>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.</p>

Status	<p>NOT COMPLETE</p> <p><i>The format will be part of the 06 Canada-Wide Standards comprehensive report. The CWS report is a CCME requirement.</i></p> <p><u>February 2007 Update: No new info.</u></p> <p><u>Oct 2007 Update: No new information</u></p> <p><u>May 2008 Update: No new information</u></p> <p><u>September 2008: No change – only starts in 2011.</u></p> <p><u>December 2008: No change in status.</u></p> <p><u>May 20, 2009: No change in status.</u></p> <p><u>September 30, 2009: No change in status.</u></p>
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