

Minutes



PM and Ozone Implementation Team, meeting #12

Date: Tuesday, February 9, 2010

Time: 1:30 to 3:30 p.m.

Teleconference

In attendance:

Name

Claude Chamberland

Bob Myrick

Myles Kitagawa

Darcy Walberg

Maureen Brown

Sara Barss

Kevin Warren

Dennis Stefani

Crystal Parrell

Andrew Clayton

Erin Evans

Linda Jabs

Stakeholder group

Canadian Petroleum Products Institute (CPPI) and CAPP

Alberta Environment

Toxics Watch Society

Agrium

City of Calgary

TransCanada

Parkland Airshed Management Zone

Alberta Health Services (Calgary and area)

Alberta Environment

Alberta Environment

City of Calgary

CASA

With regrets:

Name

Rick Ciezki

Karina Thomas

Beth Michener

Linda Harvey

David Day

Keith Murray

Ian Peace

Jill Bloor

Mike Pawlicki

Krista Phillips

Shane Lamden

Stakeholder group

City of Calgary

Alberta Health & Wellness

EPCOR

City of Calgary

City of Calgary

AFPA

Residents for Accountability in Power Industry Development

Calgary Regional Airshed Zone

Lafarge Canada

Canadian Association of Petroleum Producers

NOVA Chemicals

Claude Chamberland chaired the meeting, which convened at 1:35 p.m. Quorum was achieved.

Action Items:

Action items	Who	Due
12.1: Linda to circulate the Coordination Project Team Invitation to team members.	Linda Jabs	Feb 12/10
12.2: Bob to provide information on a newspaper article with respect to transboundary ozone coming from off the continent.	Bob Myrick	Feb 12/10
12.3: Andrew to italicize the years not included in the 2006-08 average for any years that were not used in the averages for stations.	Andrew Clayton	March 15/10
12.4: Bob to document the best options for backing out and circulate it to the team for review and discussion at the next meeting.	Bob Myrick	March 31/10
12.5: Bob will take this recommendation back to the Performance Measures sub-committee to be used in a PM and Ozone recommendation to the CASA Board.	Bob Myrick	March 15/10
12.6: Linda will poll for dates for a meeting in April or May 2010.	Linda Jabs	March 15/10

1) Administration

a. Welcome and Introductions

Introductions were made around the table.

b. Approve meeting objectives and agenda

- There was clarification on meeting objective #2, which is to make a final determination on when to suspend backing out.
- An additional item was added to the agenda under Item 6 – Any Other Business, which will be an update on the Comprehensive Air Management System (CAMS). The agenda was approved by consensus.

c. Review and approve minutes from meeting #11

- It was noted that commencing with this meeting, under the “Status of Recommendations in the PM & Ozone Management Framework” that with the acceptance of the Ambient Monitoring Strategic Plan in September 2009, items 7 and 10 (d) are to be removed from this list and will become standing agenda items at subsequent meetings. Item G 10.1 from the “Guidance Document” has been completed and will be updated on a regular basis in the future, so it can also be removed. With these revisions, the minutes are approved by consensus.

d. Review action items from Meeting #11:

Action items	Status
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”.	Done
11.1: Linda to resend the June 16, 2009 version of “Keeping Clean Areas Clean and Continuous Improvement” to the team.	Done.
11.2: Linda to create a standing agenda item to track the progress of the implementation of the PM and Ozone Monitoring Sub-program.	Ongoing.
11.3: Linda to bring the external processes recommendation to the Communications Committee.	Done.
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.	Ongoing. Will be updated under Agenda Item (1) Membership.
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.	Done.
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.	Done. Will be discussed under Agenda Item #2 today.
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.	Done. Will be discussed under Agenda Item #3 today.
11.8: Linda will poll for dates for a meeting in February 2010.	Done.

Status of Recommendations in the PM and Ozone Management Framework:
See note above under Approval of Minutes.

e. CASA Update:

Linda advised that CASA Coordination Workshop will be held on June 2, 2010, which is Clean Air day. It will be held at McDonald Hall at SAIT in Calgary.

Action Item 12.1: Linda to circulate the Coordination Project Team Invitation to team members.

Myles advised that the Vehicles Emissions Team (VET) will be meeting next Tuesday to determine how to deal with transportation emissions and whether or not any new initiatives can come forward. In the absence of any new initiatives, the team will be disbanded.

f. Membership:

Myles advised that he notified the Clean Air Energy caucus at the December Cross Caucus meeting that there was an opportunity for another one or two ENGO's to become members of this project team and it is also posted on the AEN website. There is room for up to 4 ENGO project team members. There has not been any response to date and any names that come forward will go through the standard selection process with familiarity with a developed ozone management plan as a selection criterion.

2) Presentation of Final Assessment Results for 2006-08

Andrew Clayton from AENV presented the final assessment results for 2006-2008, a copy of which has been attached as Appendix "A" to these minutes. He advised that the Caroline station has only 87% completeness due to a lightning strike on the trailer that affected data completeness for 2008. He noted for team members that no new areas had been assigned to the ozone management action plan level. Lamont will have to be monitored closely as it did exceed the CWS planning trigger, however it is part of FAP and it is already involved in an Ozone Management Plan. Edmonton South, Genesse and Fort Saskatchewan will have to be watched closely in future. The Esther station is a rural station so it cannot be backed out as far as the other stations because there is not enough data available. Less stringent analysis is used for numbers below 65 and that data is not available for Esther.

Crescent Heights was 58.0 in 2006-2008 after backing out the natural, background and transboundary influences.

Action Item 12.2: Bob to provide information on a newspaper article with respect to transboundary ozone coming from off the continent.

Andrew advised that preliminary reporting data will be due in September 2011 for 2008 – 10 to determine compliance with the Canada Wide Standards (CWS).

The PM results indicated that there was no exceedance of the CWS or planning triggers. Edmonton East had a 21.2 result in 2008, which is in the 98th percentile.

Calgary Central was elevated in 2008, with some loss of data when the station was moved, which resulted in the 2008 data not being completed. It should be noted that FDMS, which is a 24-hour average analyzer was used as an add-on to a TEOM. Elevated readings are to be expected as you do not lose semi-volatiles. In 2009 the Red Deer station started using FDMS as well.

The Albion Mine and Millennium stations do not have any incidents to back out and must be monitored more closely as well.

In 2006, the Caroline station was only operational for one month, so it is not included in the 2006-08 averaging; rather it has been averaged for 2007-08 only.

Action Item 12.3: Andrew to italicize the years not included in the 2006-08 average for any years that were not used in the averages for stations.

These numbers are based on the CWS and CASA framework standards as they currently exist. The 2006-08 analysis is now complete.

3) Discussion of Backing Out Procedure

Discussion ensued on when to suspend backing out events below management plan action level for Ozone in the future. The planning trigger is 58 with the 3 year average. Under the CWS, Guidance document, there is no guideline for backing out episodes once a year falls below 65. Should Ozone be backed out all the way to the surveillance trigger as is already being done for PM. It is harder to determine with anthropogenic sources and it becomes a question of whether you do it for a 3 year average or for a 1 year level. The lower the numbers, the less impact events have and you could end up backing out everything. In those cases where it exceeds 58 (ozone) and 20 (PM), backing out is pursued for what the area has the ability to manage, after which it is stopped.

Currently, AENV assigns anything under 58 to the surveillance level, which monitors and looks at trends. It was suggested that with the full framework review that AENV should perhaps look at differentiating between surveillance and baseline triggers, with backing out suspended once the average is less than the planning trigger.

Action Item 12.4: Bob to document the best options for backing out and circulate it to the team for review and discussion at the next meeting.

4) Performance Measure for CASA

Bob advised that this committee has developed performance measures for CASA action to improve air quality. It has been suggested that the AENV performance measures be adopted by CASA to ensure consistency in reporting and measuring performance.

At the last CASA Board meeting, the recommendation for PM and Ozone was not accepted and the Performance Measures Committee was asked to revise this measure.

The team agreed that the AENV “Particulate Matter and Ozone – Progress Towards Meeting the Canada-Wide Standards” document circulated to the team and attached to these minutes as “Appendix B”, could be supported and recommended as a performance measure to this sub-committee. The sub-committee could then bring it to the Performance Measures Committee for recommendation to the CASA Board.

Action Item 12.5: Bob will take this recommendation back to the Performance Measures sub-committee to be used in a PM and Ozone recommendation to the CASA Board.

There is one cautionary note for this in that the indicators may reflect not only the location of stations, but the improvements in monitoring.

4) (a) AMSP Update on PM and Ozone Monitoring

Bob gave an update on the AMSP recommendation with respect to upwind and downwind ozone monitoring and he advised that AENV has entered into contracts with the Capital Air Partnership (ACAA, WCAS and FAP), PAMZ and CRAZ for specific activities in their respective airsheds for improvements in ozone monitoring .

5) Update on PM & Ozone Management Plans

PAMZ, CRAZ and CAP submitted written reports for distribution to team members.

PAMZ: Kevin highlighted that in a Stantec report provided to PAMZ, they advised that unless 6 months of ozone data (April to October) was available, that it would not be feasible to use portable stations to monitor anthropogenic ozone. Stantec recommended that they establish an upwind, remote, high elevation site at Harlech and/or a downwind station at Fenn to better monitor ozone. PAMZ is looking to AENV and Environment Canada for assistance in establishing one or both of these sites.

CAP: CAP asked when there might be any news for the Industrial Heartland Air plan previously submitted. With the North Saskatchewan Regional Advisory Committee (RAC) expected to be started after mid-year, they will be asked to use and integrate this previous work into the planning process. CAP expected that the Heartland plan would be incorporated into their ozone management plan and with the RAC now being initiated, their plan may have to be amended in some way.

CRAZ: Several initiatives are currently underway including work on a car pooling project, as well as communicating the plan to stakeholders and active recruitment of CRAZ members.

6) Any Other Business:

Claude provided an update on the Comprehensive Air Management System (CAMS) process. This initiative is under the Canadian Council of Ministers of the Environment (CCME) and is viewed as an alternative to the 2007 regulatory framework for air pollutants. There are 3 initiatives underway:

- (1) Base Level Industrial Emissions Requirements (BLIERS) – which has 13 subgroups working on various emissions standards for various sources.
- (2) National Ambient Air Quality Standards (NAAQS) – which is a proposal looking to lower the Canada-Wide Standards for fine particulates - PM_{2.5} and Ozone. This could potentially affect what this team is doing to review and update the CASA framework.
- (3) Dividing Canada into air management zones, similar to what we have in Alberta.

7) Next Meeting

Linda to poll for dates for a meeting in April or May. The co-chairs will discuss potential agenda items and determine if a face to face meeting or teleconference is needed.

- An update on the CAMS will be one agenda item.

Action Item 12.6: Linda will poll for dates for a meeting in April or May 2010.

The meeting was adjourned at 3:35 p.m.

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</p> <p>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.</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> <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>
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 & Ozone Management Framework in 2006/07. Alberta Environment shall coordinate the review and involve interested stakeholders.</p>

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
	<p>Other Reporting Requirements (From: Guidance Document for the Management of Fine PM and O3 in Alberta (2003))</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:</u> No new info.</p> <p><u>Oct 2007 Update:</u> No new information</p> <p><u>May 2008 Update:</u> No new information</p> <p><u>September 2008:</u> No change – only starts in 2011.</p> <p><u>December 2008:</u> No change in status.</p> <p><u>May 20, 2009:</u> No change in status.</p> <p><u>September 30, 2009:</u> No change in status.</p> <p><u>February 9, 2010:</u> No change in status.</p>