

Final Minutes



PM and Ozone Implementation Team Meeting #4

Date: Wednesday, October 25, 2006
Time: 9:30 am – 3:30 pm
Place: CASA Offices, Edmonton

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In attendance:

Name	Organization
Claude Chamberland	Canadian Petroleum Products Institute (CPPI) and CAPP
Andrew Clayton	Alberta Environment
Long Fu	Alberta Environment
Martha Kostuch	Prairie Acid Rain Coalition
Rachel Minz	Environment Canada
Bettina Mueller	CASA
Bob Myrick	Alberta Environment
Kim Sanderson	CASA consultant
Scott Sangster	Nova Chemicals
Lisa Strosher	Calgary Health Region
Kevin Warren	Parkland Airshed Management Zone

Corresponding:

Name	Organization
Gina Rau	Graymont
Kristofer Sirunaris	Energy & Utilities Board

Regrets:

Name	Organization
Karina Bodo	Alberta Health and Wellness
Alan Brownlee	City of Edmonton
Dave Fox	Environment Canada
Myles Kitagawa	Toxics Watch
Keith Murray	Alberta Forest Products Association
Stan Novakowski	City of Calgary (for Agenda items 1 to 2 a))
Mike Pawlicki	Lafarge
Ian Peace	Residents for Accountability in Power Industry Development
Dave Slubik	EPCOR
John Squarek	Canadian Association of Petroleum Producers (CAPP)
Darcy Walberg	Agrium

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
2.5 Bob Myrick and Long Fu to send official notification of the PM and O ₃ assessment status to the affected jurisdictions.	Long Fu, Bob Myrick	Carry forward/ ASAP
2.6 CASA secretariat to inform CASA stakeholders of assessment results through the CASA website / the bulletin.	Casa Secretariat	Immediately after AENV notification to affected CMAs
2.7 AENV to provide to Environment Canada the train of analysis so Environment Canada can review the analysis.	Bob Myrick	Carry forward/ ASAP
3.2: Bob Myrick will clarify who is the implementer for the third report in recommendation G 10 1.	Bob Myrick	Feb 6, 2007
4.1: 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.	Long Fu	ASAP
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 Minz	As it becomes available
4.3: Bettina will forward AENV inter-comparison information provided at the last OSC meeting to Rachel.	Bettina Mueller	
4.4: Rachel will check on the status of the KCAC document.	Rachel Minz	Feb 6, 2007
4.5 Bettina will place an item regarding the management framework review (recommendation 1c) on the agenda for the next team meeting.	Bettina Mueller	Feb 6, 2007
4.6 Claude Chamberland will report back to the team on the outcome of the AMC meeting regarding recommendation 5.	Claude Chamberland	Feb 6, 2007
4.7: Bettina will place an item regarding the Alberta Guidance Document (recommendation 8) on the agenda for the next team meeting.	Bettina Mueller	Feb 6, 2007
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
4.9: 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.	Bob Myrick	ASAP
4.10: Team members will review the list of recipients and provide any suggestions to Bob.	Team members	Nov 3
4.11: Bob will discuss with Myles Kitagawa the best way to get the letter out to ENGOs in the affected areas.	Bob Myrick	Nov 3
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.	Bob Myrick	Nov 3
4.13: AENV will include a map with airsheds and contact information for each of the affected airsheds as an attachment to the letter.	AENV, Bob Myrick	Nov 3
4.14: CASA secretariat will discuss the possibility of a shorter time frame for the media release.	CASA secretariat	Nov 9
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.	Lisa Strosher	Nov 3
4.16: AENV will bring a proposal back to the team on how to communicate future assessment results.	AENV	Feb 6 07

Task	Who	When
4.17: Members will discuss the proposed PM_{2.5} AAQ objective in their organizations as desired, and will forward any concerns or comments to Long Fu by Nov. 2.	Team members	Nov 2, 2006
4.18: Long Fu will distribute the reassessment report on the hourly PM_{2.5} objective to the team.	Long Fu	ASAP
4.19: Rachel will inquire whether the team could have access to the actual data set from the updated study.	Rachel Minz	Dec 1, 2006
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.	Rachel Minz	ASAP
4.21: Bob and Bettina will prepare the information sheet and presentation for the November CASA board meeting.	Bob Myrick, Bettina Mueller	Nov 3, 06
4.22: Claude will provide a report at the next meeting on the outcome of the CCME discussions.	Claude Chamberland	Feb 6, 2007

Claude Chamberland convened the meeting at 9:35 am.

1 Administrative

- a) **Introductions.** Those present introduced themselves.
- b) **Approve agenda and meeting objectives.** The chair reviewed the agenda and meeting objectives. Approval of minutes and action items pertained to meeting 3, not meeting 2. Long Fu asked to provide a brief update from a conference on strategic direction for air quality management. Other updates will be provided in addition to CASA updates. With these changes, the agenda was approved.
- c) **Review and approve minutes from Meeting #3.** Minutes were approved as distributed.
- d) **Review action items from Meeting #3**
 - 2.1 Bob Myrick, Markus Kellerhals to provide the updated GDAD to the PM and O₃ working group members. Carry forward. The GDAD is on CCME's agenda (for the Science Review Coordinating Committee) but nothing has been done yet. One member expressed concern about whether multi-stakeholder input will be obtained in setting the terms of reference. This is a government-only committee and there is little activity presently so this may be the best time to ensure that process matters are addressed. The team agreed to recommend, via Long Fu, that Alberta Environment propose to the CCME that drafting the terms of reference for the science review be done via a multi-stakeholder process.

Action 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.

It was also noted that the GDAD was supposed to be revised based on the workshop. The status of this process is unclear.

2.3 Long Fu to give a presentation on how the AQO and the framework will fit at the next meeting. On today's agenda.

2.5 Bob Myrick and Long Fu to send official notification of the PM and O₃ assessment status to the affected jurisdictions. Carry forward. On today's agenda for discussion.

2.6 CASA secretariat to inform CASA stakeholders of assessment results through the CASA website / the bulletin. Carry forward. This has not been done because notification has not happened.

2.7 AENV to provide to Environment Canada the train of analysis so Environment Canada can review the analysis. Carry forward. A meeting with interested stakeholders is being arranged for November to discuss analysis of episodes. However, the meeting with Environment Canada may need to occur before meeting with other stakeholders. This item will be discussed under 2d.

2.8 AENV to determine which areas within the province fall within the surveillance action level. Done

3.1 Environment Canada will obtain a list of the sites in the comparability network and provide it to the team. Done. The group is meeting in November. Kevin advised that PAMZ has bought three BAMS samplers and will be using them for inter-comparison for two months against partisol sampling. PAMZ has discussed with AENV the possibility of extending the test and is waiting for a proposal to come back from AENV. AENV is doing inter-comparison of monitors as part of the national study; these sites need to be added to the Environment Canada information. Results are not yet fully analyzed. Long Fu noted that some concerns have been expressed about the monitoring technology, and a US expert has advised that in his view, TEOM with cold trap technology is the preferred option.

Action 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.

Action 4.3: Bettina will forward AENV inter-comparison information provided at the Oct 2006 Operation Steering Committee meeting to Rachel.

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

Action 4.4: Rachel will check on the status of the KCAC document.

3.3: Bob Myrick will let the team know before the June CASA board meeting if AENV is not ready to send out the notification letter and media release. Done

3.4: Bob Myrick will take forward to AENV a) the suggestion of communicating to all industries in the notification areas, and b) the need to develop a plan for reaching the transportation sector. Done.

3.5: Bob Myrick will review the analysis and revisit whether Red Deer is above or below the planning trigger. Done

3.6: Bob Myrick will enquire if a draft of Alberta's report can be circulated to the team before submitting it to the CCME. Draft report was circulated. Will discuss under 2d.

3.7: Markus Kellerhals and Dave Fox will forward copies of the Environment Canada presentations to Bettina for distribution to the team. Done.

2 Actions to Date Under the Framework

a) Review recommendations and provide an update on the status of implementation

The team agreed to keep in the minutes only the actions that are not complete, as a way to shorten the document.

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 O_3 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 O_3 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 O_3 that were higher than the CASA planning and surveillance triggers. Complete for the 2001-2003 assessment. THIS TASK IS NOW IN PROGRESS FOR THE 2002-2004 AND 2003-2005 ASSESSMENT.

	<p>TASK 5 <i>Alberta Environment to assign action levels to PM_{2.5} and O₃ episodes.</i></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. THIS TASK IS NOT YET COMPLETE FOR THE 2002-2004 ASSESSMENT, BUT IS EXPECTED TO BE DONE BY THE END OF DECEMBER 2006.
	<p>TASK 7 <i>Alberta Environment to produce an annual PM_{2.5} and O₃ assessment report.</i></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><i>Alberta Environment will initiate the review involving interested stakeholders and members of the public as recommended, in 2007 after the 2005 assessment.</i></p> <p>Action 4.5: Bettina will place this item on the agenda for the next meeting.</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 Environment Canada and interested stakeholders, and should be completed by the end of 2004.</p>
Status	<p><i>Alberta Environment has developed a simplified mechanisms 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>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. A SECOND MEETING WILL BE HELD WITH INTERESTED MEMBERS BEFORE THE NEXT PM AND O3 TEAM MEETING, LIKELY IN THE FALL. 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.</p> <p>A MEETING WILL BE HELD WITH ENVIRONMENT CANADA IN NOVEMBER 2006 AND WITH INTERESTED STAKEHOLDERS, EITHER IN NOVEMBER 2006 OR JANUARY 2007.</p> <p>AI ANDREW CLAYTON TO SET UP A MEETING FOR THE INTERESTED STAKEHOLDERS TO DISCUSS THE APPLICATION OF THE SIMPLIFIED MECHANISM IN DETAIL.</p>
5.	<p>Background PM or Ozone Originating Outside of North America 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>

<p>Status</p>	<p>JAICC no longer exists. Environment Canada and Alberta Environment were asked to bring this action forward to the AMC.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Action 4.6 Claude Chamberland will report back to the team on the outcome of the AMC (Air Management Committee) meeting regarding this item.</p>
<p>7.</p>	<p>Monitoring</p> <p>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>
<p>Status</p>	<p><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 Air Quality 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>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.</p> <p>THE AMSP TEAM EXPECTS TO HAVE A DRAFT PLAN BY DECEMBER 2006 AND MAY HOLD ANOTHER WORKSHOP FOR FURTHER STAKEHOLDER REVIEW.</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>Action 4.7: Bettina will place this item on the agenda for the next team meeting.</p>
10	Science and Analysis Recommendations
10.d.	<p>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.</p>
Status	<p><i>The CASA Ambient Air Quality 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>
10.e.	<p>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.</p>
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, AS NOTED UNDER AGENDA ITEM 5.</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	<i>Complete. Alberta Environment provided an update presentation to the CASA board at their September 2005 meeting.</i> WHEN THE FRAMEWORK IS REVIEWED, THE STATUS OF THIS ITEM AND THE NEED TO ESTABLISH TIMELINES SHOULD BE CONSIDERED.

No.	Other Reporting Requirements (From: Guidance Document for the Management of Fine PM and O₃ in Alberta (2003))
G 10.1	Provide a 1-2 page written report to CASA, airshed zones on the PM _{2.5} and O ₃ analysis annually. Provide a non-technical version of this document for the public. 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.
Status	NOT COMPLETE: <i>A draft report for the 2001-2003 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> THREE REPORTS ARE NEEDED AS PER THE ACTION. 1. 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. 3. THE IMPLEMENTER FOR THE THIRD REPORT IS NOT CLEAR AND THIS REPORT HAS NOT BEEN ADDRESSED AT ALL.
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	NOT COMPLETE <i>The format will be part of the 06 CWS comprehensive report. The CWS report is a CCME requirement.</i>
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	<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>

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

Bob Myrick reported that AENV has talked to all affected zones about the results of the 2001-03 assessment: PAMZ, Calgary, Edmonton, WCAS and FAP, and has had some feedback. AENV also met with the Calgary Regional Partnership (elected officials of the CMA and west). The meetings were generally positive, and Calgary and Edmonton regard this as a good reason to get their zones going. A common theme was that airsheds will need some assistance, guidance, technical knowledge, facilitation or other expertise from AENV to help them prepare management plans. The team agreed that AENV should support the zones that need assistance, and if AENV needs more resources to do so, then the team should consider how to help secure those resources. Bob indicated that AENV does need to allocate more resources to this work and make it a high priority. FAP will be sending a letter to the Deputy Minister. It could also be raised at the CASA board meeting when this item is presented.

Action 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.

Bob advised that a “heads-up” email went to Chief Administrative Officers in all municipalities in the affected areas (about 85 in total), advising that they would be getting a letter from the Deputy Minister in the fall. Some municipalities have already responded by implementing measures; e.g., Banff has instituted an anti-idling bylaw for tourist buses.

Action 4.9: Bob Myrick will forward the advance notice email to the team and ensure that the team is copied on future correspondence.

The next step is to send the letter to over 500 recipients in the affected areas, including industries with approvals, industry associations, municipalities, First Nations, airshed zones, environmental associations and transportation associations. Team members identified several groups that are not on the list and should be, including the AFPA, Calgary airshed zone, the Calgary Regional Partnership, Capital Regional Alliance, the agriculture sector, airport authorities, Metis Settlements, and a number of ENGOs.

Action 4.10: Team members will review the list of recipients and provide any suggestions to Bob.

Action 4.11: Bob will discuss with Myles Kitagawa the best way to get the letter out to ENGOs in the affected areas.

Action 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.

Bob reviewed the draft letter. The team provided the following comments and suggestions:

- The letter should be very explicit about who is going to do what; the following wording was proposed: “Alberta Environment will approach airsheds and emerging airsheds and ask them to convene meetings during the winter of 2006-07.”
- The team’s preference is to delete the last sentence on the first page (It is anticipated that ...plan.) If that is not acceptable to AENV, the following wording is proposed instead: “Affected airsheds may want to consider working together to develop an integrated air quality management plan.”
- The letter should indicate that others in addition to zones could also get involved. The beginning of the third paragraph could be revised to say, “We encourage you to contact Alberta Environment or the airshed/forming airshed in your area about how to be involved. See the attached page for contact information.”
- The current first sentence in paragraph 3 should be revised to reflect the desirability of improvements in air quality; e.g., ...develop a management plan to maintain and improve air quality wherever possible.”
- The letter needs to be clear that AENV has responsibility if there is no existing airshed to bring people together. If airsheds are not willing to take on this task, AENV must do it.

Action 4.13: AENV will include a map with airsheds and contact information for each of the affected airsheds as an attachment to the letter.

The original goal was to send the letter out by November 7, but given the proposed changes, that is unlikely.

With respect to communications, media strategies will be implemented after the letters are sent. CASA is waiting for the timing to be finalized before updating the communications plan, including key messages. Communications activities need to be coordinated with the spokespersons’ availability. Communications outreach will be targeted at all the affected areas.

Action 4.14: The CASA secretariat will discuss the possibility of a shorter time frame for the media release.

It was suggested that the backgrounder or fact sheet should clearly indicate why these substances are important from a health perspective and where people can go for more information, especially in Alberta. Web links would also be useful

Action 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.

c) Update and communication on the results and timing for the release of the three assessment reports

Andrew presented PM and ozone graphs and results for 2001-2005 and distributed copies of the charts. AENV is completing the 2003-05 assessment and it should be done by the end of January 2007. The 2002-04 assessment is scheduled to be done by the end of October, with a report to the CASA board in November.

Bob indicated that AENV is not planning to send a letter if stakeholders are below the level required for action, but the assessments for subsequent years will be provided to zones and posted on the AENV website. The team will need to discuss the process for communicating subsequent years' assessments. It was suggested that AENV provide each new assessment to everybody who's already involved. Only if PM and O₃ results trigger the need for a management plan in a new area would formal notification be done.

Action 4.16: AENV will bring a proposal back to the team on how to communicate future assessment results.

d) National reporting

Alberta's comprehensive report was submitted as a draft to the CCME and changes have been made in response to comments. This report is now with AENV communications and will be completed shortly. The CCME report is a roll-up report with highlights from each jurisdiction and a link to each jurisdiction's website with their completed report. AENV is creating a new web page on PM and Ozone with a range of materials (<http://www3.gov.ab.ca/env/air/OGS/pmozone.html>).

3 Linkages between CWS, Ambient Air Quality Objectives and the PM and O₃ Framework

Long Fu's presentation reviewed the history of National Ambient Air Quality Objectives, and showed the relationships between the various components. The team was particularly interested in the proposed PM objective, asking what the department would do in response to an exceedance by an industry or a municipality. Some members of the team felt strongly that action is needed when exceedances occur and that scaling numbers are not protective of public health. Members indicated they would like to discuss the proposal in their organizations.

Action 4.17: Members will discuss the proposed objective in their organizations as desired and will forward any concerns or comments to Long Fu by Nov. 2.

Action 4.18: Long Fu will distribute the reassessment report to the team.

Long Fu provided an update on the NERAM 5 (Network of Environmental Risk Assessment Management) conference he recently attended, looking at the strategic direction of air quality management. Several important messages emerged from the conference:

- There is a big emphasis on urban air quality management. On a global basis, the worst air quality is in larger population centres, especially in SE Asia. The World Health Organization thinks there is no hope for Asian cities to meet current targets. Although there are many

emissions sources, a common one is transportation, with high volumes and many hot spots. Fine PM and ozone are high on the list, and NO₂ is becoming a greater concern.

- Priorities to improve ambient air quality were also identified, including the need for more research on scientific issues that can support management activities; e.g., source apportionment.
- Links between ambient air quality and climate change. Improving ambient air quality can increase greenhouse gases in some instances, but there is no clear consensus.
- Accountability studies are an important tool. The Health Effects Institute in the US is looking at how government regulations and intervention have improved air quality and human health. Maybe our discussion should focus more on how we take action and the outcomes.

4 Update on the Status of the Edmonton and Calgary Airsheds

Lisa reported that the Calgary Area Airshed had a board meeting in September and encountered some unexpected issues on boundaries. They have signed the application to incorporate and have draft bylaws; they meet again on October 26 to try and resolve the boundary issues. If members cannot agree, they may need to get guidance from the CASA board.

Myles provided a written report on the Alberta Central Airshed Society, which was incorporated on August 25. They are seeking funding, which if successful, will allow the ACAS to begin operating as a zone by summer 2007. Both Edmonton and Calgary zones are part of the new zones council.

5 Update of ChemInfo Report

Rachel provided a quick overview on the ChemInfo report and how the information was used by Environment Canada for modeling and for its CAC work. Rachel proposed that the report be updated, starting with 2002 and going out to 2020. Environment Canada would fund all the work, prepare the RFP and consult with the CASA team. They would like the CASA PM and O₃ team to review the proposal and the draft report. If the team supports the project, some CASA stakeholders would likely be contacted about data. The intent is that this update would have more of a spatial allocation focus and also more focus on anthropogenic emissions, the oil sands and other Alberta issues. Environment Canada would take the lead on hiring the consultant, but the team would have input to the terms of reference and the RFP. Environment Canada wants to make the information useful to as many audiences as possible. The intent is to provide the product to the team. This study is expected to be more "bottom up" with data collection from sectors, review of EIAs and applications, etc. Industry members of the team cannot guarantee that companies will provide the information, but they can tell their sectors this is being done and encourage them to participate. Rachel indicated that the study needs to be done by the end of April 2007.

Action 4.19: Rachel will inquire whether the team could have access to the actual data set from the updated study.

The team agreed to formally support the project, affirming that they would like to have input to the project design and the RFP.

Action 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.

6 Implementer Report to the CASA Board

Bettina reviewed the usual content for a CASA report to the board, noting that the presentation should focus on what has changed since the last update. This would include the review assessment for 2002-04, letters to affected stakeholders, etc.

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

7 Other Business/CASA Updates

Claude advised he would be attending a consultation meeting with the CCME Air and Management Committee on November 22 in Vancouver, as one of four industry representatives. He will raise the issues discussed by the team with respect to the GDAD, stakeholder involvement and the team's dissatisfaction with the current approach.

Action 4.22: Claude will provide a report at the next meeting on the outcome of the CCME discussions regarding the GDAD and stakeholder involvement.

Martha reported:

- The Acid Deposition Assessment Group is completing the 2004 assessment, and is reviewing the framework and how to apply it regionally. This could have useful application for the PM and Ozone team.
- Flaring and Venting: Guide (now Directive) 60 will be issued soon. The EUB's flaring and venting report will be released Oct. 26 showing the amount of flaring and venting from each company, region, type of flaring and venting, etc.
- The Clean Air Act was tabled by the federal government last week. It amends three acts and inserts a new section to CEPA.
- Hearings for the oil sands multi-stakeholder process have been completed. A report will go to the government by the end of November on vision and principles for oil sands development. The rest of the framework will then be developed and another round of consultations will be held in February-April 2007, with a draft framework ready by the end of June. The committee hopes to post the presentations on the website at www.oilsandsconsultations.gov.ab.ca. A wide range of views was presented to the hearings panel, with pace, scale and royalties being among the key issues. The recommended framework will be submitted to the ministers of Energy, Environment and Sustainable Resource Development.

CASA Updates

Bettina reported:

- The ROVER study is now completed. It generated 36 news stories and 60,000 plus data points in four communities. The report will be done in March or June 2007.
- The communications committee is considering a coordination workshop for spring 2007. This committee is also planning to gather baseline data on CASA and air quality.
- CASA has two new staff members: Kathy Semchuk and Kevin McLeod.
- The Operations Steering Committee has agreed to reassess its role in light of the new ambient monitoring strategic plan now being prepared.
- The Science Symposium on Nitrogen was very successful with excellent speakers and very good attendance.
- The Flaring and Venting team is officially in abeyance, but will meet in November to address issues related to implementation.

8 Next Meeting

Bettina suggested the group should review its timelines, purpose, how long it needs to exist and whether it needs to report on implementation and make any recommendations to CASA. The next meeting could focus more on process. Bettina also reminded the team that she leaves CASA in November to return to Alberta Environment.

The next meeting will be February 6, 2007 at the CASA offices.

The meeting adjourned at 3:10 pm.