

Final Minutes



Ambient Monitoring Strategic Planning Team Meeting #28

Date: Thursday, Sept. 13, 2007
Time: 9:30 – 3:30pm
Place: ConocoPhillips office, Calgary

10035 108 ST NW FLR 10
EDMONTON AB T5J 3E1
CANADA

Ph (780) 427-9793
Fax (780) 422-3127
Email casa@casahome.org
Web www.casahome.org

In attendance:

Name	Organization
Roxanne Pettipas	ConocoPhillips Canada / Canadian Assoc. of Petroleum Producers
Bob Myrick	Alberta Environment
David Spink	Prairie Acid Rain Coalition
Ian Peace	RAPID
James Vaughan	Alberta Energy and Utilities Board
Chris Severson-Baker	Pembina Institute
Merry Turtiak	Alberta Health and Wellness
Brian Free	CASA

Regrets:

Name	Organization
Brian Wiens	Environment Canada
David McCoy	Husky Oil / Canadian Association of Petroleum Producers
Kevin Warren	Parkland Airshed Management Zone
Findlay MacDermid	RAPID
Mike Pawlicki	Lafarge Canada Inc.
Keith Murray	Alberta Forest Products Association
Bettina Mueller	Alberta Environment
Ken Omotani	TransAlta Utilities

Action Items:

Task	Who	When
9.2: Load team information to the CASA website and provide the working group with access information.	Brian Free	ASAP
18.8: Compile a short document that cross-references workshop questions to sections of the report where these questions are addressed, or to other documents as appropriate.	Brian Free	By next meeting
26.10: Circulate the hybrid model to the OSC for their consideration.	Brian Free	July 30
27.3: Prepare a table of emissions sources and associated parameters that should be monitored.	Ian Peace	By next meeting
28.1: Data quality objectives will be prepared for the monitoring sub-programs.	Bob Myrick	By next meeting
28.2: The ChemInfo report on emissions forecasts will be distributed to the AMSP team.	Brian Free	By next meeting
28.3: A legal opinion will be sought to confirm who is responsible for monitoring and who must pay.	Bob Myrick	By next meeting

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Task	Who	When
28.4 An analysis will be prepared, comparing the cost of the proposed network to that of the existing network.	Bob Myrick	By next meeting
28.5: A table about industry compliance monitoring will be prepared.	Bob Myrick	By next meeting
28.6: Team members will provide Bob with feedback on this section on monitoring costs by September 21.	All	By next meeting
28.7 : The Terms of Reference for Dr. Cape's contract will be posted on the team's CASA website	Bob Myrick, Brian Free	By next meeting
28.8: A more-detailed workshop plan will be prepared.	Roxanne Pettipas, Ian Peace, Brian Free	By next meeting
28.9: Roxanne will see if CAPP will cover lunch and venue costs. She will look into the availability of the auditorium at ConocoPhillips.	Roxanne Pettipas	By next meeting
28.10: Bob will produce a breakdown of the industrial emissions.	Bob Myrick	By next meeting
28.11: Kevin Warren will be asked to provide a breakdown of funding for the airsheds.	Brian Free	By next meeting
28.12: A breakdown will be prepared, showing how funding of the proposed system will be apportioned among the funders.	Bob Myrick	By next meeting

Roxanne Pettipas convened the meeting at 9:50am.

1 Administration

a) Introductions

b) Approve agenda and meeting purpose.

- The agenda and meeting purpose were approved.

c) Approve minutes from Meeting 19 – Sept. 19, 2006

- These Minutes had not been approved and cannot yet be posted as an official record of that meeting. Brian reviewed some edits that had been made in consultation with former Project Manager Matthew Dance.
- With those corrections, these Minutes were approved.

d) Approve minutes from Meeting 27 – July 23, 2007

- Approved.

e) Review Action Items from Meeting 27.

Task	Who	Status
9.2: Load team information to the CASA website and provide the working group with access information. <ul style="list-style-type: none"> Should include draft report(s) 	Brian Free	Carry forward

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Task	Who	Status
<ul style="list-style-type: none"> Does not need to be password protected. Will be useful to have for the upcoming workshop. 		
18.8: Compile a short document that cross-references workshop questions to sections of the report where these questions are addressed, or to other documents as appropriate. <ul style="list-style-type: none"> Important to have for upcoming workshop. 	Brian Free	Carry forward
26.4: Bettina will advise Kim Sanderson on how to ensure consistency in how the objectives are presented throughout the Team's reports.	Bettina Mueller	Done
26.5: Bettina will provide Kim with some suggested wording for Section 3.3.2. on funding the new system.	Bettina Mueller	Done
26.6: Bettina will email Neil Cape to clarify his understanding of the "strategic" components he will be addressing.	Bettina Mueller	Done
26.8: Workshop Committee will meet and discuss initial planning and give update to team <ul style="list-style-type: none"> On today's agenda. 	Roxanne, Ian, Brian	Done
26.10: Circulate the hybrid model to the OSC for their consideration. <ul style="list-style-type: none"> Will send with notification about the workshop. 	Brian Free	Carry forward
27.1: Provide text about Data Quality Objectives for the Implementation Plan. <ul style="list-style-type: none"> this text should be further adapted for application to a <i>network</i>. The EPA approach that is described applies primarily to single stations. data quality objectives should be adapted to each monitoring sub-program, as these objectives may differ slightly (e.g. population-based vs. background vs. PM/ozone etc.) New Action Item 28.1: Bob M. offered to consult with Brian Wiens and Kevin Warren to prepare data quality objectives for the various sub-programs.	Brian Wiens	Done
27.2: Provide revised text about population-based monitoring for the Implementation Plan.	Bob Myrick	Done.
27.3 Prepare a table of emissions sources and associated parameters that should be monitored. <ul style="list-style-type: none"> Ian circulated information he had found on the Env. Canada website (Link: Clean Air Online - Prairie & Northern Region pollution sources) Bob suggested more info is available on Environment Canada's CAC (Criteria Air Contaminants) and (NPRI (National Pollutant Release Inventory) websites. The recent ChemInfo report featuring forecasts of Alberta emissions is another useful resource. Rachel Mintz has provided a copy to the PM & O3 team. New Action item 28.2: Brian will distribute with ChemInfo report to the AMSP team.	Ian Peace	Carry forward

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Task	Who	Status
<ul style="list-style-type: none"> We should try to include non-industrial sources, as well. All team members should be on the lookout for useful information. 		
27.4 Prepare a description of monitoring station types and the parameters monitored.	Bob Myrick	Done
27.5 Update the Work Plan schedule	Brian Free	Done
27.6: Poll the team members for a meeting date during the last two weeks of August.	Brian Free	Done

2 How much will the proposed monitoring network cost?

- Bob summarized the discussion of capital and operational costs, as described in section 3.10 of the Implementation Plan (Sept. 7 draft).
- Annual work plans of the Multi-stakeholder Implementation Committee will be based on this Implementation Plan. Airsheds can also use the Implementation Plan to plan their monitoring activities.
- Discussed the rationale needed to justify the proposed monitoring stations. There is scientific rationale, based on monitoring objectives and current data and forecasts. There is also social/political rationale, such as community concern that air quality is deteriorating.
- Are we asking for too much, money-wise? No, although our recommended monitoring network will cost more, it falls within the range of acceptable costs.
- We want to recommend what is right for Alberta's air monitoring needs. Securing the funding can be worked out as the plan is implemented over a number of years.
- Is monitoring voluntary? Who will require the monitoring to be done? AENV likely has the ultimate responsibility and will work with the Multi-stakeholder Implementation Committee to make it happen.

Action Item 28.3: Bob Myrick will seek a legal opinion to confirm who is responsible for monitoring and who must pay.

- Discussed how binding the stations recommended in our Implementation Plan will be. Agreed that we will recommend numbers and general locations, e.g. 5 stations in Edmonton & Calgary covering the four quadrants and downtown. The responsible airsheds will be able to adjust these details, but should provide adequate rationale for the changes.
- The wording needs to be tightened to ensure our intention is clear.
- It will be important to ensure that the airsheds are comfortable with this expectation. This could be discussed at the workshop.
- Bob further described the monitoring proposed for the various sub-programs as presented in the table in section 3.10 of the Implementation Plan;
 - Population-based – 5 permanent, continuous monitoring stations for big cities, 1 permanent, continuous station for mid-sized cities, portable monitors for smaller communities (<20,000)
 - PM and Ozone – 2 stations (upwind and downwind) in five communities during “ozone season” (May-Sept)

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- Ecosystem-based – 10 stations over six natural regions (Note: these include Grassland, Parkland, Foothills, Rocky Mountain, Boreal Forest, Canadian Shield).
- Acid Deposition – 10 wet stations and 5 dry stations. Likely need more monitoring for dry deposition. Neil Cape's work will help to nail this down.
- 10 background/transboundary stations
- Over 500 passive monitors to cover spatial gaps
- Bob offered to compare this proposed network to the existing network in order to demonstrate the difference in cost.

Action Item 28.4 An analysis will be prepared, comparing the cost of the proposed network to that of the existing network.

- It was pointed out that the Town of Hinton is not listed as a monitored community, yet most visitors will notice the odour from the local pulp mill. This led to a discussion about the need to have a monitoring sub-program that focuses on areas of industrial concentration.

Action Item 28.5: Bob agreed to pull together a table of industry compliance monitoring.

Action Item 28.6: Team members will provide Bob with feedback on this section on monitoring costs by September 21.

- Based on time remaining before lunch, the agenda was adjusted, switching Items 3 and 4.

3 November workshop

- Confirmed that the workshop goal is to solicit support for the recommended monitoring system and to identify any major concerns of CASA stakeholders.
- Will invite the original list of stakeholders invited to the 2006 workshop. Ensure that other CASA project teams, identified at the Coordination Workshop as having an interest in our work, are also included.

Workshop Outline

- Introduction
 - Vision and purpose of the monitoring system
 - The Plan
 - How it will be implemented (schedule, costs)
 - Review Process
- Discussed the best timing for the workshop. Need Neil Cape's work, which won't be received until end of November.

Action Item 28.7 : Bob will send Brian the Terms of Reference for Dr. Cape's contract. It can be posted on the CASA website.

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- With Christmas holidays, will have to aim for early January. Tuesday, January 15 will be the target date for the workshop. Noted sadly that it is the last day of Brian Free's secondment to CASA.
- Send invitation by end of November.
- The workshop committee of Roxanne, Ian and Brian will pull together a more-detailed plan for the workshop. The need for breakout sessions will be carefully considered.

Action Item 28.8: The Workshop Committee will prepare a more-detailed workshop plan.

Action Item 28.9: Roxanne will see if CAPP will cover lunch and venue costs. She will look into the availability of the auditorium at ConocoPhillips.

Lunch

4 Who will pay for this monitoring?

- Moved on to discuss how the monitoring system will be funded.
- Referring to Section 3.3 of the Strategic Plan, the polluter pays principle applies.
- Major industrial polluters will be identified and will contribute funds.
- Major users of data, such as the federal and provincial governments, will contribute funds.
- Alberta government will cover the funding requirements related to non-industrial funding. How it obtains those funds is up to the government, e.g. negotiate with municipal governments for a contribution, creating a special tax, such as a fuel tax, using general revenues and so on.
- Make sure that there is a clear message that the public does contribute emissions via vehicles, residences, etc. and that the government is paying on their behalf.

Action Item 28.10: Bob will produce a breakdown of the industrial emissions.

- Need to keep compliance monitoring separate.
- The current pie chart of funding contributors needs a further breakdown for airshed monitoring.

Action Item 28.11: Brian will contact Kevin Warren for a breakdown of funding for the airsheds.

Action Item 28.12: Bob will prepare a breakdown of the funding apportionment for the proposed system.

5 Review input from CAPP about the Team's reports

- Roxanne reviewed the general comments received from CAPP. They found the relationship among the three documents hard to follow. To them, many recommendations in the Implementation Plan seemed to be strategic in nature.

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- Need to ensure all of the issues raised at the 2006 workshop are addressed.
- A CAPP reviewer offered a diagram to represent the major elements of the system. Team members agreed that this kind of diagram will be useful, but the CAPP diagram needs some further modification.
- Team members expressed their appreciation for these detailed comments from CAPP.
- All agreed that, for now, the three documents should be combined into one report. It can later be broken into separate parts, if that better suits the intended audience(s).
- Bob offered to check with his colleagues to see if there is a compelling argument to maintain the current structure of separate documents. The final decision will await that input.

Action Item 28.13: Bob will confirm whether there is a compelling rationale for the current structure of three documents.

6 Review Work Plan

- Reviewed the September 7 version of the Team's work plan. The goal is to have our work completed for presentation to the March 2008 Board meeting.
- Item 5: The next meeting will likely be on October 15. It will feature a presentation from the Executive Director of the Alberta Biodiversity Monitoring Institute, Kirk Andries. This is a result of the CASA Board's direction that there be stronger ties between air quality and ecological monitoring.
- The Team's main writer, Kim Sanderson, should attend the next meeting.
- Item 6: A quick turn around on Cape's draft reports is needed. Draft will be reviewed by Bob M, Brian W, Bettina M and David S. (Kevin W?).
- Line 12. Workshop invitations should be sent by November 15.
- Line 13. Workshop materials should be sent by December 15.
- Line 14. Workshop to be held on January 15.

Action Item 28.14: Brian will revise the workplan as discussed.

7 CASA Update

- Ian noted that the connections among various CASA project teams was discussed at the Coordination Workshop. Brian summarized some of these connections.
 - The Clean Air Strategy may comment on air monitoring. Brian will see that they are aware of our work.
 - The Confined Feeding Operations Project Team has discussed the need for monitoring in "feedlot alley" in southern Alberta.
 - The Operations Steering Committee has a strong interest in the role of the Multi-stakeholder Implementation Plan.
 - The PM and Ozone Implementation Team may touch on issues related to the PM and Ozone monitoring sub-program.
 - The Electricity Framework Review and Vehicle Emissions team may touch on issues related to monitoring emissions from their sectors.
 - Regarding staffing at CASA, Brian reported that Kerra Chomlak has returned from parental leave and is taking over a number of projects. As well, a new Project Manager, Jennifer Allan, has been hired. Jennifer may attend the next AMSP team meeting to observe how an effective team really operates!!

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8 Next Meeting

- The next meeting will be during the week of October 15 at the CASA office in Edmonton. With a presentation from the AB Biodiversity Monitoring Institute on the agenda, it was suggested that a longer meeting may be needed, perhaps starting at 9am and running until 4pm.
- Roxanne showed an informative video presentation about the infra-red camera used by ConocoPhillips to detect leaks at their production and processing facilities. Very impressive technology.

The meeting adjourned at about 3:30 pm.