

Final Minutes

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Ambient Monitoring Strategic Planning Working Group Meeting #11

Date: 02 November, 2005

Time: 9:30 – 3:30

Place: CASA – 10th Floor Board Room

In attendance:

Name	Organization
Matthew Dance	CASA
David Graham	Alberta Environment
Bill Hume	Environment Canada
David McCoy	Husky Oil / Canadian Association of Petroleum Producers
Myra Moore	Fort Air Partnership
Bob Myrick	Alberta Environment
Michael Queenan	Residents for Accountability in Power Industry Development
Roxanne Pettipas	ConocoPhillips Canada / Canadian Association of Petroleum Producers
Mike Pawlicki	Lafarge Canada Inc.

Regrets:

Name	Organization
Keith Murray	Alberta Forest Products Association
Ken Omotani	TransAlta Utilities
George Pfaff	Petro-Canada Edmonton Refinery / Canadian Petroleum Products Institute
Ian Peace	Residents for Accountability in Power Industry Development
Chris Severson-Baker	Pembina Institute
James Vaughan	Alberta Energy and Utilities Board
B.J. Vickery	Lafarge Canada Inc / Alberta Chamber of Resources
Brad Watson	Lafarge North America
Kevin Warren	PAMZ, PASZA, PAS, WCAS.

Action Items:

Task	Who	When
9.2: Load the data to the web site and provide the working group with access information.	Matthew	September 15
10.7: Strike a Site Selection Sub-group.	Matthew	September 15
11.1: Forward the RWDI livestock distribution report to Matthew for distribution to the team.	Bill Hume	05 December 2005
11.2: Develop an AMSP Ideas Parking Lot where good ideas go to rest until they are needed.	Matthew	05 December 2005
11.3: Review the Section 4 of the 1995 plan and provide comments to CASA .	Team members	23 November 2005
11.4: Compile the comments received by team members and forward to the team by November 30 th .	Heidi and Matthew	30 November 2005
11.5: Ensure that the agenda for the December meeting includes a review of the 1995 plan.	Matthew	December
11.6: Poll for a December meeting date.	Matthew	ASAP

The meeting was called to order by David Graham at 9:40.

1. Administration

a. Introductions

Round table introductions were conducted.

b. Approve agenda and meeting purpose.

The agenda and meeting purpose were approved.

c. Approve the minutes from the last meeting.

The minutes were approved as tabled.

d. Review action items.

Task	Status
7.7: Investigate Australia's rationale for their population density formula to determine AQ monitor placement.	After brief investigation, no rationale was found. Complete
7.8: Enquire about livestock density and distribution in Alberta.	Complete. The team has both hard and soft copies of maps outlining livestock and manure density.
9.2: Load gathered information to the web site and provide the working group with access information.	In progress
10.1: Research the charge per tonne of pollutant emitted in Texas	\$29.11/pollutant/ton. No rationale was found. Complete
10.2: Develop a draft best practices document for the team to consider as a component of the strategic plan.	Complete
10.3: Gather together all of the CASA Frameworks that might apply to the 2005 plan.	Complete
10.4: Collate the points raised at this meeting.	Complete
10.5: Hire a writer	Complete
10.6: Develop a draft table of contents.	Complete
10.7: Strike a Site Selection Sub-group.	Carry Forward

Action Item Discussion

The following points were raised in discussion with the team:

Action 7.7

- Originally there was interest in the Australia Equation because it offered some 'rationale' for the placement of monitors.
 - The number of performance monitoring stations for a region with a population of 25,000 people or more must be the next whole number above the number calculated by: $1.5P + 0.5$ (P = population of region in millions)
- It was noted that this equation may have just been made up, and that it is not worth researching.
- There is not a huge need for this information as of yet, but we may need it as the 2005 strategic plan evolves. As such, a parking lot of ideas should be developed where initial thoughts can be stored.

Action 7.8

- This information should be placed in the AMSP Information Parking Lot.
- Environment Canada has done some research on livestock distribution and can provide it to the team for their use.

Action 10.1

- There is general agreement around the table that a charge per tonne of pollution is not likely for Alberta, and that there was no need to further investigate this option.

ACTION 11.1: Bill Hume will forward the RWDI livestock distribution report to Matthew for distribution to the team.

ACTION 11.2: Matthew will develop an AMSP Ideas Parking Lot where good ideas go to rest until they are needed.

2. Review

Matthew provided an update of the work that was completed over the summer:

- Interview of several writers
- Hire of one writer for the team
- Investigation of livestock data

3. Strategic Plan Development

a. Why a new strategic plan?

- Since 1995 several conditions in Alberta have changed that require a new look at how, where and why the ambient air is monitored:
 - There are new monitoring technologies
 - There has been an increase in Alberta's population as well as industrial and agricultural base.
 - An increase in transportation
 - Unconventional oil and gas development
- Several CASA frameworks have created needs for specific types of monitoring and data:
 - Acidifying Emissions
 - Electricity Project Team
 - Flaring and Venting
 - Particulate Matter and Ozone
 - Comprehensive Human Health Monitoring Team
- Development of national and regional level monitoring has changed the landscape on which AENV operates the ambient air quality monitoring system
 - AENV Air Quality Monitoring System
 - 6 Airshed Zones established
 - NAPS

b. What elements should be included in a strategic plan?

- Data management plan
 - Education and outreach
 - Dissemination of data and information in an understandable form
- Address the needs of the current air quality management plans and frameworks
- Continuous monitoring for population centers and industrial areas.

- What is the appropriate balance between continuous monitoring for population centers versus industrial areas?
- Should a risk assessment be completed?
- As part of a risk assessment, should Emergency Response Planning be supported?
- Criteria examined for elements of monitoring at each location selected should include:
 - Population base
 - Industrial base
 - Ecosystem type
 - Receptor sensitivity – i.e. soil buffering capacity
 - Type of monitoring to be used
 - Recreational use of area
 - Traditional land use needs
 - Agricultural use

Goal of Air Quality Monitoring

- The goal is to gather air quality data that supports providing answers to questions related to:
 - Distribution in terms of scale – small geographic vs. large geographic areas
 - Distribution in terms of time – short vs. long time scales
 - Air quality
 - Pollutants involved in air quality
 - The receptors of these pollutants
 - The criteria of what is acceptable for the above variables.
- The information gathered should support the development of actions plan to address the needs identified in management plans
- To disseminate the data collected for above in a form that is accessible to Albertans in an effort to increase understanding of air quality related issues

c. Next steps

1. Team members review the 1995 plan with a view towards providing comments to Matthew by November 23rd. Specifically, we are looking to improve the weaknesses and shortcomings of the 1995 plan.
2. CASA will compile all comments into the 1995 document and forward to the team by November 30th.
3. Team members will review the 1995 document with comments for the December meeting.

ACTION 11.3: Team members will review Section 4 of the 1995 plan and provide comments to CASA by November 23rd.

ACTION 11.4: Heidi and Matthew will compile the comments received by team members and forward to the team by November 30th.

ACTION 11.5: Matthew will ensure that the agenda for the December meeting includes a review of the 1995 plan.

Timeline for process:

The team discussed the long term time line for the process as follows

Date	Outcome
March 2006	Draft 2005 Strategic Plan
April 2006	Workshop to gather input on strategic plan and implementation
June 2006	Input included in plan
September 2006	Build consensus on plan
November 2006	Final report to CASA board

4. Next meeting

Early December in Calgary; ConocoPhillips or Husky will host.

ACTION 11.6: Matthew will poll for a December meeting date.

5. Adjournment