

Alberta Airsheds Council

CASA Coordination Workshop

June 20, 2007

Vision & Mission

Vision

**Sustainable, credible and cooperative
Alberta Airshed Zones.**

Mission

**To support and advocate for Alberta
Airshed Zones.**

Purpose

The Alberta Airsheds Council will:

- ▶ Identify and advocate for common interests of Alberta airshed zones;
- ▶ Facilitate communication and cooperation between airsheds and between airshed zones and the public.

Goals & Objectives ¹

- ▶ Communicating on a broad scale between airsheds in Alberta and with Albertans and others
- ▶ Facilitating information sharing between airsheds
- ▶ Acting as a resource for forming airsheds;
- ▶ Providing a forum for discussing issues and concerns common to airsheds zones, and developing strategies and processes to address those issues

Goals and Objectives ²

- ▶ Delegating airshed representation for various CASA working groups and project teams;
- ▶ Hosting an airshed conference about every two years on topics of mutual interest to airsheds
- ▶ Strengthening the relationships between airsheds and regulatory agencies

Membership

- ▶ All airsheds are members:
 - Alberta Central Airshed Alliance (ACAA)
 - Calgary Region Airshed Zone (CRAZ)
 - Fort Air Partnership (FAP)
 - Lakeland Industry & Community Association (LICA)
 - Palliser Airshed Society (PAS)
 - Parkland Airshed Management Zone (PAMZ)
 - Peace Airshed Zone Association (PASZA)
 - West Central Airshed Society (WCAS)
 - Wood Buffalo Environmental Association (WBEA)

Current Priorities

- ▶ 2nd Airsheds Conference
 - October 22-23, 2007 (Monday & Tuesday)
 - Radisson Airport Hotel, Calgary
 - Currently seeking Sponsors & Exhibitors
 - Reduced rates for NGOs and Public

- ▶ CASA Board Membership

Linkages with CASA Teams

- ▶ **Ambient Monitoring Operations**
- ▶ **Ambient Monitoring Strategic Planning**
- ▶ **Confined Feeding Operations**
- ▶ **Flaring & Venting**
- ▶ **Particulate Matter & Ozone**

Current Airshed Plans & Initiatives



Alberta Capital Airshed Alliance ACAA

- ▶ Name change (Alberta Capital Airshed Alliance), Society name remains the same (ACAS)
- ▶ Stantec working on recruiting membership and business plan
- ▶ Focus conducting emissions inventory

Calgary Region Airshed Zone CRAZ

- ▶ The first Annual General Meeting of CRAZ was held May 24, 2007 with CASA facilitating the meeting
 - 28 organizations (including 3 public members) joined the society
 - 12 of 15 board seats filled, with possibility of 2 more soon
 - next step select executive
 - executive director in 2007?
- ▶ Proposed boundaries are CHR less PAMZ; consensus not yet achieved
- ▶ Feasibility assessment conducted by Amarok & Focus will be used as information for design of monitoring program and funding formula
- ▶ Stantec was hired to consult with local stakeholders prior to AGM & determine their interest in participating in CRAZ.
- ▶ CRAZ received an \$85,000 AENV grant for operation of stations in 2007-08 Budget Year

Fort Air Partnership -FAP

- ▶ Strategic Air Monitoring Plan being Developed
 - In preparation for industrial growth in the area
 - Regional Emissions Inventory and Model are important first steps.
- ▶ Regional Air Dispersion Model and Emissions Inventory
 - Consistent database, available to anyone, to be kept “up to date” by FAP is nearly completed.
- ▶ New Monitoring Activities:
 - Adding a new continuous station near Bruderheim, and several passive stations to our 40-station passive network
 - Reporting continuous BTEXS measurements (benzene, toluene, ethylbenzene, xylene, styrene)
 - Supporting lichen monitoring program
- ▶ Ozone Management Plan development in early stages of discussion
 - Using AEnv Portable Air Monitoring Laboratory (PAML) at site adjacent to Edmonton to look at trans-boundary influences
- ▶ Communications activities
 - Participating in Industrial Heartland Committee to Address Resident Issues relating to air quality

Lakeland Industry & Community Assn

LICA

- ▶ Alberta Environment has approved the AEPEA amendment application (replaces some industries' fence line monitoring requirements with regional monitoring requirements through the LICA Airshed Zone)
- ▶ Approval appealed by 3 of the parties who had submitted statements of concern delaying plans to fully implement LICA's continuous monitoring program.
- ▶ Background station will be located outside airshed zone but within proposed expanded LICA boundary
- ▶ Investigating establishment of VOC monitoring program
- ▶ Investigating vehicle emissions clinic; received grant from Aspen Regional Health Authority to carry out this project
- ▶ The "Exploratory Study of Potential Acidification Impacts on Soils and Surface Water Within the LICA Area" is complete; final report will be released shortly
- ▶ Regional Monitoring Network Review project was awarded jointly to Stantec and RWDI (with expertise from UBC); stakeholder workshop is planned for June 27th
- ▶ Rebuilt and re-launched the raw data access website

Palliser Airshed Society

PAS

▶ PAS Zone Expansion

- Boundaries coterminous with Palliser Health Authority
- Continued work engaging stakeholders in the area
- Preparation of joint application for rationalization of stakeholders' current fence-line air monitoring requirements
- Implement expanded air monitoring plan
 - ▶ one portable continuous monitoring station (6 month schedule)
 - ▶ twenty station passive monitoring network (NO₂, O₃, SO₂)

▶ 2007 Communication Plan

- Southern Alberta Environmental Summit
- City of Medicine Hat Environmental Strategy Advisory Group
- City of Medicine Hat Environmental Brand Focus Group
- Annual Environmental Week Trade Fair in Medicine Hat

Parkland Airshed Management Zone

PAMZ

- ▶ Ozone Management Planning Committee currently reviewing air quality management plans of other jurisdictions. Data needs sub-group assembling inventory of monitoring and modeling in PAMZ and surrounding regions.
- ▶ Request to AENV for PAML to monitor O₃ east of PAMZ in Stettler area turned down
- ▶ PAMZ withdrew its participation and support from Community Health Assessment & Monitoring Program (CHAMP) in March. Human Health Committee now investigating other opportunities
- ▶ Mercury Deposition Sampling Program partnership with Canadian Geological Survey continues at Crossfield-Carstairs site
- ▶ Conducting SO₂ monitoring program in Tay River Area in partnership with Shell, Keyera and Husky
- ▶ Conducting PM sampling program in Sundre area in partnership with Sundre Forest Products

Peace Airshed Zone Association

PASZA

- ▶ Continue discussions with stakeholders in proposed expansion areas north of Peace River and west of forestry trunk road to ascertain interest in membership
- ▶ Extending passive monitoring network into proposed expansion areas (+15)
- ▶ Considering addition of some H₂S passives to network
- ▶ Application made to AENV for PAML in fall to characterize emissions in Girouxville area (large # hog farms)
- ▶ Petitioning NRCB to take action on Girouxville hog barns given data presented in AENV's air quality survey of the area (numerous H₂S exceedences)
- ▶ Rover station slated to move from Falher to Spirit River area this summer, NO₂ monitor added
- ▶ Communication committee reinstated, after growing concern over expansions and proposed new facilities
- ▶ Governance Committee struck to revisit the Society's by-laws and policies; changes are required in the post-Ludwig era

West Central Airshed Society

WCAS

- ▶ Recommissioning of Hightower background station almost complete; relies on wind & solar power with internal heating from instrumentation itself
- ▶ Working with local oil and gas industry and residents to develop a cost-efficient monitoring program to create an intensive 'early warning system' providing data at very low levels of hydrogen sulphide "*Sentinel Monitoring Program*"
- ▶ Failure to determine source of recent H₂S odours in area has increased local interest in the program
- ▶ Discussions of expansion of boundary north into Whitecourt area, put on hold for at least a year due to focus on other programs
- ▶ New communications consultant hired

Wood Buffalo Environmental Assn

WBEA

- ▶ Revamping WBEA Database
 - Database hardware, software and licensing purchased
 - Meeting with key stakeholders/end-users to ascertain needs
 - Intent is to automate some current processes and improve access
- ▶ A task group will review the location of community stations and criteria for siting stations given the expansion and development planned in region
- ▶ Human Exposure Monitoring
 - 2005 results for Fort Chipewyan and Fort McMurray are now available
 - 2006 results for Fort McKay and Fort McMurray First Nations Anzac/Gregoire Lake will be available shortly
- ▶ WBEA is currently reviewing its Vision, Mission, Values, and Strategic Goals.