

# WCAS General Meeting Meeting Notes September 23, 2005

10:30 a.m. - 4:00 p.m.

Main Board Room Penn West Building, 50<sup>th</sup> Avenue West Drayton Valley, AB

In Attendance:

Cecil Anderson Pembina Agriculture Protection Association

Dave Stewart Talisman Energy

Adam Stokowski David Thompson Regional Health Authority

Gwen Wood EUB

Audrey Kelto Leduc County

Mary Griffiths Pembina Institute of Appropriate Development

Robert Kitching
Rick Phaneuf
Mike Woods
David Brand
Hercules Georgiadis
Jim Bolton

Brazeau County
Alberta Environment
Weyerhaeuser Ltd.
Luscar Limited
Hinton Pulp
TransAlta

WCAS:

Bob Scotten Executive Director
Barbara Johnson Environmental Engineer
Greg Swain Senior Technologist

**Special Guests:** 

Dick Puurveen University of Alberta, Breton Plots

Absent with Regrets:

Jason Schulz EPCOR
Steven Probert Capital Health
Larry Williams Alberta Environment

#### **ACTION ITEMS**

Action Item 1: Bob to forward a letter of gratitude to Greg Gabert for his past contributions to the WCAS.

Action Item 2: Barb to meet with Dave to discuss WCAS financials.

#### **ONGOING ACTION ITEMS**

**Ongoing Item 1:** Bob to provide a formal letter to Alberta Environment outlining the limitations of accessibility concerning the Athabasca Lookout location.

**Ongoing Item 2:** Bob to follow up on the incorporation of a small region along WCAS boundaries with Clean Air Strategic Alliance (CASA), and the PAMZ.

#### 1. Welcome and Introductions

Cecil Anderson called the meeting to order at 10:45 a.m. Introductions were made and committee members welcomed.

# 2. Approval of June 2, 2005 Draft Minutes

The meeting notes of the June 2, 2005 meeting were accepted by consensus.

### 3. Review of the June 2, 2005 Action Items

**Action Item 1:** Bob to provide assurances that a minimum ten-year agreement on the land lease could be obtained and that no major developments are planned to occur in the vicinity with respect to the Athabasca Lookout as the new background station location. **Complete:** Bob confirmed that there were no major developments planned within the Athabasca Lookout vicinity.

**Action Item 2:** Bob to provide a formal letter to Alberta Environment outlining the limitations of accessibility concerning the Athabasca Lookout location. **Ongoing:** Bob explained that due to the Telus strike, development of the Athabasca Lookout site has been pending.

**Action Item 3:** Steven to provide Bob with details concerning WCAS communications through municipal publications. **Complete:** Bob reported that Steven provided details for municipal publications.

**Action Item 4:** Bob to prepare correspondence to Ponoka County asking if there are any objections to the incorporation of a small region along WCAS boundaries not claimed by other Airshed's. Bob was also asked to copy the document to Alberta Environment, Clean Air Strategic Alliance (CASA), and the PAMZ. **Ongoing:** Bob reported that he contacted the Ponoka County assistant administrator and it appears that the Parkland Airshed Management Zone is to be approached on this matter. Bob advises that CASA will inform him of the developments with this issue.

### 4. Review of Financial Statements

Dave Stewart was welcomed as the new WCAS Treasurer replacing Greg Gabert. Bob indicated that a letter of gratitude on behalf of the WCAS Board for all Greg's past dedication would be forwarded.

Bob circulated a Statement of Revenue and Expenditures as at August 31, 2005. (*Attachment A & B*). The statements indicated that actual expenditures were on line with budget figures with the exception of insurance costs and unbudgeted contributions to trending analysis undertaken by Dr. Warren Kindzierski. Barb informed members that collections of accounts were also in line with previous years.

Next, Bob presented 2006 Draft Budgets (*Attachment C & D*) for Board consideration. Bob indicated that some increases over last years budget included expenditure in areas of accounting and legal fees due to the additional set of books required for tracking purposes of the utility companies activities, increased costs associated with insurance coverage, a new line item for grants or donations, an increase in honorarium costs for cooperative land use, and increases in the contractors costs to reflect a three percent cost of living increase. In addition, Bob asked the Board to consider compensating the technologists for the rising costs of fuel. The Board agreed that 10K could be used in the upcoming year to cover off the increased costs to the contractors. It was further agreed that this item would be a separate line item on the 2006 Budget. The Board also agreed that fuel costs should be standardized to \$0.42 per kilometer for mileage.

Dave suggested that a budget be introduced for capital expenditures and that a five-year plan be prepared to address such concerns as equipment/building replacement. Barb agreed to meet with Dave to further discuss these issues.

**Action Item 1:** Bob to forward a letter of gratitude to Greg Gabert for his past contributions to the WCAS.

**Action Item 2:** Barb to meet with Dave to discuss WCAS financials.

# 5. Zone Manager's Report

# 5.1 Hightower Ridge Station Update

Bob reported that the most suitable site for the relocation of the Hightower Ridge appears to be the Athabasca Lookout location based on the observations of Alberta Environment representatives, Harry Benders, Bettina Mueller, and Dr. Kindzierski of the University of Alberta. Bob indicated that annual funding from the federal government could be used towards this station. Bob also informed members that the Telus strike has hindered the development of the location.

### 5.2 Weyerhaeuser Update

Mike Woods informed members that the TRS analyzer has been ordered and the expected arrival date would in the month of October.

### 5.3 Communications Update

Bob reported that the Fall Newsletter was near completion and should be distributed within the next two weeks. Bob then informed members that development to a new WCAS website is in progress but near completion. Bob indicated that the internet programming necessary to make temperature data available to the radio station for future airing has been completed.

Bob indicated that presentations were made for TransAlta in June and the Leduc County in August.

## 5.4 Nisku Sour Drill Activities Update

A lengthy discussion ensued concerning the sour drill activities that are occurring and scheduled to occur in the Drayton Valley area. It was noted that there is much public concern amongst residents as to the impact of the oil field activity on health related issues. It was further noted that there are a number of interest groups that are making efforts to make oil companies responsible to the public. Barb reported that oil and gas producers have contacted WCAS with regards to monitoring  $H_2S$  at the Violet Grove station. Board members agreed that a written proposal received by such companies would be considered.

#### 6. Air Monitoring Update

## 6.1 Audit Results

Greg Swain reported the results of the June 2005 Alberta Environment Audit of the WCAS network to Board Members. Greg also circulated a summary of the issues that were addressed during the audit. (Attachment E).

Greg then answered questions asked by the Board concerning corrections that may be necessary due to the failure of an analyzer. Greg explained that in such cases the data is corrected back to last calibration data as proposed by the auditor.

# 6.2 Uptime Efficiencies, Exceedence Reports

Barb reported that uptime efficiencies for the WCAS network were 98.8, 99.5, and 98.5 percent for the months of June, July, and August, respectively. Barb explained that during the month of June acquisition problems at the Tomahawk station dropped uptime to 94 percent at this site.

Barb also reported that there were a number of exceedences over the summer with respect to the TRS parameter at the Hinton station. It was noted that 6 exceedences occurred in June, 1 in July, and 10 in August. Hercules addressed the Board explaining that exceedences were the result of dredging effluent ponds.

Board members wished to express their appreciation for the outstanding job the technologists have done as reflected in the stellar uptime efficiencies.

### 6.3 Data Request Updates

Barb reported the following requests for data during the months of July and August:

June 29 – Barb Logan of Axys requested 2004 monthly averages for all meteorological parameters at Violet Grove and Genesee.

July 26 – Ben Borys of EPCOR, requested hourly averages for wind data at the Genesee site three-day period in July for the purpose of investigating a work related incident.

August 9 – Richard Murray of Golder Associates requested site documentation for a number of stations.

August 16 – Dr. Warren Kindzierski requested 1998-2004 Hourly averages for Carrot Creek, 1996-2004 Tomahawk hourly averages for the purpose of trending analysis.

August 22 – Jonathon Robb of Alberta Health requested five minute averages for Meadows, Genesee, and Wagner for 2004.

August 29 – Claire McCauley of Axys asked for information, maps, and site documentation with respect to the passive networks.

September 12 – Jerry Navarro of TransAlta requested precipitation data for the Meadows and Powers station for 2004.

September 12 – Janine Ross of Alberta Environment requested site documentation for stations for the purpose of updating the Alberta Environment website.

### 7. Next Meeting

The next meeting date December 2, 2005.

The meeting ended at approximately 4:00 p.m.

# Attachment A

#### West Central Airshed Society Statement of Revenue & Expenditures As at August 31, 2005

TOTAL FUNDING					Total	
FUNDING   Budgeled Membership Fees   805,365   768,260   -37,136   S55   14,352   0   TOTAL FUNDING   820,283   -50,295   -2,292   -2,29		Y	ear-to-Dat	e	Budget	Balance in
Budgeled Membership Fees   806,396   535   58   58   58   58   58   58   5		Actual	Budget	Variance	For Year	Budget
Budgeled Membership Fees   806,396   535   58   58   58   58   58   58   5						
Network Cost Sharing						
Hinton Pulp Operations Agreement						
TOTAL FUNDING   \$20,283     \$783,147   \$37,736   \$52,955   \$2,295   \$2,2005   \$2,230						Ϋ́I
Less: GST portion of Funding						0
2005 Revenue   767,559   Adjustments - AEUB Correction   1,957   East Estimated Non Collectibles   1,958   East					783,147	
Agiusments - AEUB Correction   1,957	Less: GST portion of Funding	-52,724			-50,295	2,429
Revenue: Interest Income	2005 Revenue	767,559			732,852	-34,707
Less: Estimated Non Collectibles	Adjustments - AEUB Correction					
FUNDING, NET OF GST	Revenue: Interest Income	1,957				
OFFICE & ADMINISTRATION         Administration Salaries         56,667         56,667         707         2,500         1,830           Administration Salaries         56,667         56,667         707         2,500         1,540           Accounting & Legal         3,922         3,000         -932         3,000         932           Bank & Credit Card Charges         707         667         -40         1,000         293           Bank Loan Interest         6,890         10,000         3,110         15,000         8,110           Honorarium & Board Expenses         378         1,333         955         2,000         8,023           Website Maintenance & Development         2,573         4,667         2,094         7,000         4,272           Computer Software & Accessories         103         1,333         1,230         2,000         4,272           Communications Expense         11,421         20,000         8,579         30,000         18,779           Insurance         20,566         11,667         8,919         17,500         3,000         18,579           Office Rupiles & Postage         2,589         2,667         78         4,000         1,411           Tal Fax & Internet         6,599 </td <td>Less: Estimated Non Collectibles</td> <td></td> <td></td> <td></td> <td>-40,452</td> <td>-40,452</td>	Less: Estimated Non Collectibles				-40,452	-40,452
OFFICE & ADMINISTRATION         Administration Salaries         56,667         56,667         0         28,333           Temporary Administative Assistant Accounting & Legal         3,932         3,000         -932         3,000         -932           Banik & Credit Card Charges         707         667         -40         1,000         293           Banik Loan Interest         6,890         10,000         3,110         15,000         8,110           Honorarium & Board Expenses         977         6,000         5,023         9,000         8,023           Other Meeting Expenses         378         1,333         955         2,000         1,622           Website Maintenance & Development         2,573         4,667         2,094         7,000         4,272           Computer Software & Accessories         103         1,333         1,230         2,000         1,897           Communications Expense         11,421         20,000         8,579         30,000         18,579           Insurance         20,566         11,667         48,79         17,500         3,651         4,333         683         6,500         2,891           Office Equipment Rental         3,261         4,233         683         6,500         3,83	FUNDING, NET OF GST	769,516			692,400	-77,116
Administration Salaries						
Temporary Administative Assistant	OFFICE & ADMINISTRATION					-
Accounting & Legal   3,922   3,000   -932   8   3,000   2932   8   3,000   2932   8   8   Ac Graft Card Charges   707   667   4-00   1,000   293   8   8   Ac Graft Card Charges   707   667   4-00   1,000   8,110   15,000   8,110   15,000   8,110   15,000   8,110   15,000   8,110   15,000   8,110   15,000   8,110   15,000   8,123   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,622   15,000   1,623   15,000   1,	Administration Salaries	56,667	56,667	0	85,000	28,333
Bank & Credit Card Charges         707         667         -40         1,000         293           Bank Loan Interest         6,890         10,000         3,110         15,000         8,110           Honorarium & Board Expenses         977         6,000         5,023         9,000         8,023           Other Meeting Expenses         378         1,333         955         2,000         1,622           Website Maintenance & Development         2,573         4,667         2,094         7,000         4,272           Computer Software & Accessories         103         1,333         1,230         2,000         18,879           Insurance         20,566         11,667         -8,919         17,500         -3,086           Office Equipment Rental         3,651         4,333         683         6,500         2,849           Office Supplies & Postage         2,589         2,667         417         10,000         3,750           Office Equipment Rental         6,599         6,333         -266         9,500         1,911           Is Fax & Internet         6,599         6,333         -266         9,500         2,911           Grants, Donations, & Contributions         17,500         0         1,7500	Temporary Administative Assistant	960	1,667	707	2,500	1,540
Bank Loan Interest	Accounting & Legal	3,932	3,000	-932		-932
Bank Loan Interest					1,000	293
Honorarium & Board Expenses   977   6,000   5,023   9,000   1,622   Website Maintenance & Development   2,573   4,667   2,094   7,000   4,427   Computer Software & Accessories   103   1,333   1,230   2,000   1,8579   Insurance   20,586   11,667   -8,919   17,500   18,579   Insurance   20,586   11,667   -8,919   17,500   -3,086   Office Equipment Rental   3,651   4,333   683   6,500   2,849   Office Equipment Rental   6,250   6,667   417   10,000   3,750   Office Supplies & Postage   2,589   2,667   78   4,000   1,411   Tel Fax & Internet   6,599   6,333   -266   9,500   2,901   Offarsts, Donations, & Contributions   17,500   0   -17,500   0   -17,500   Offarsts, Donations, & Contributions   17,500   0   -17,500   0   -17,500   Offor Supplies & Postage   11,782   11,333   -448   17,000   62,718    AMBIENT AIR MONITORING   Utilities Expense   11,782   11,333   -448   17,000   52,18   Contractor Expense   92,855   97,333   4,479   146,000   53,145   Chemical Analysis   4,682   13,333   8,651   20,000   53,145   Chemical Analysis   4,682   13,333   2,783   5,000   23,401   Site Maintenance & Development   5,501   6,000   9,99   6,000   23,401   Site Maintenance & Development   5,501   6,000   9,99   6,000   3,922   Station Trailer Repair & Service   1,647   3,333   6,425   2,000   3,303   Equipment Loans Payable   61,600   61,600   0   92,400   30,800   Technical Workshops   1,078   3,333   6,425   2,000   3,000   Tortal Expense   0 2,000   2,000   3,000   3,000   Tortal Admicrator   47,140   43,333   5,393   76,000   27,060    HONORARIUMS   1,800   1,200   2,000   0   2,000   0    TOTAL EXPENSE   441,396   476,267   34,871   692,400   25,000   0    TOTAL EXPENSE   441,396   476,267   34,871   692,400   25,000   0		6,890	10,000	3,110		8,110
Other Meeting Expenses   378   1,333   955   2,000   1,622	Honorarium & Board Expenses	977				8,023
Website Maintenance & Development         2,573         4,667         2,094         7,000         4,227           Computer Software & Accessories         103         1,333         1,230         2,000         1,897           Communications Expense         11,421         20,000         8,579         30,000         18,579           Insurance         20,586         11,667         -8,919         17,500         -3,086           Office Equipment Rental         6,650         6,667         417         10,000         3,750           Office Supplies & Postage         2,589         2,667         78         4,000         1,411           Tel Fax & Internet         6,599         6,333         -266         9,500         2,901           Grants, Donations, & Contributions         17,500         0         -17,500         0         -17,500           Miscellaneous Expenses         0         333         333         500         500           TOTAL OFFICE & ADMIN EXPENSES         141,762         137,333         -448         17,000         62,718           AMBIENT AIR MONITORING         Utilities Expense         11,782         11,333         -448         17,000         52,18           Contractor Expense         92,855		378				1,622
Communications Expense   11,421   20,000   8,579   30,000   18,579   30,000   3,500	Website Maintenance & Development	2,573	4,667	2,094	7,000	4,427
Communications Expense   11,421   20,000   8,579   30,000   18,579   10,500   -3,086   07fice Equipment Rental   3,651   4,333   683   6,500   2,849   07fice Rental   6,250   6,667   417   10,000   3,750   -3,086   07fice Equipment Rental   6,250   6,667   417   10,000   3,750   -3,086	Computer Software & Accessories					
Insurance	Communications Expense	11,421	20,000			
Office Equipment Rental         3,651         4,333         683         6,500         2,849           Office Rottal         6,250         6,667         417         10,000         3,750           Office Supplies & Postage         2,589         2,667         78         4,000         1,411           Tel Fax & Internet         6,599         6,393         -266         9,500         2,901           Grants, Donations, & Contributions         17,500         0         -17,500         0         -17,500           Miscellaneous Expense         0         333         333         500         500           TOTAL OFFICE & ADMIN EXPENSES         141,782         137,333         -4,449         204,500         62,718           AMBIENT AIR MONITORING         Utilities Expense         11,782         11,333         -448         17,000         5,218           Contractor Expense         92,855         97,333         4,479         146,000         53,145           Chemical Analysis         4,662         13,333         8,651         20,000         15,318           Chemical Analysis         4,662         13,333         2,783         5,000         15,318           Obata Network Support & Software         5,091         6,000 <td>insurance</td> <td>20,586</td> <td>11,667</td> <td></td> <td></td> <td></td>	insurance	20,586	11,667			
Office Rental         6,250 (	Office Equipment Rental					
Office Supplies & Postage         2,589 (5,99) (3,33) (3,60)         7,8 (1,00)         1,411           Tel Fax & Internet         (6,599) (6,333) (3,33) (3,00)         2,900         2,901           Grants, Donations, & Contributions         17,500 (0) (3,33) (3,33) (3,00)         5,000 (5,00)           TOTAL OFFICE & ADMIN EXPENSES         141,782 (13,333) (4,449) (20,4,500) (5,218)           AMBIENT AIR MONITORING         11,782 (11,333) (4,479) (146,000) (53,145) (2,486	Office Rental					
Tel Fax & Internet Gerants, Donations, & Contributions ToTAL Donations, & Contributions TOTAL OFFICE & ADMIN EXPENSES TOTAL OF TITAL OF TI	Office Supplies & Postage					
Grants, Donations, & Contributions         17,500         0         -17,500         500         -17,500         600         600         501         600         509         600         53,145         600         600         53,145         600         600         53,145         600         600         33,401         60,000         23,401         60,000         23,401         60,000         23,401         50,000         50,000         909         60,000         909         60,000         90         60,000         90         60,000 </td <td>Tel Fax &amp; Internet</td> <td>6,599</td> <td>6.333</td> <td>-266</td> <td></td> <td></td>	Tel Fax & Internet	6,599	6.333	-266		
Miscellaneous Expense         0         333         333         500         500           TOTAL OFFICE & ADMIN EXPENSES         141,782         137,333         -4,449         204,500         62,718           AMBIENT AIR MONITORING         Utilities Expense         11,782         11,333         -448         17,000         5,218           Contractor Expenses         92,855         97,333         4,479         146,000         53,145           Chemical Analysis         4,682         13,333         8,651         20,000         15,318           QA/QC Expense         36,599         40,000         3,401         60,000         23,401           Site Maintenance & Development         550         3,333         2,783         5,000         4,500           Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Rental         1,440         1,467         27         2,200         760           Equipment Loans Payable         61,600         61,600         0         92,400         3,000         3,000           Fortialser Expense         0	Grants, Donations, & Contributions	17,500		-17.500		
AMBIENT AIR MONITORING	Miscellaneous Expense		333		500	
Utilities Expense	TOTAL OFFICE & ADMIN EXPENSES	141,782	137,333	-4,449	204,500	62,718
Utilities Expense						
Contractor Expense         92,855         97,333         4,479         146,000         53,145           Chemical Analysis         4,682         13,333         8,651         20,000         15,318           QA/QC Expense         36,599         40,000         3,401         60,000         23,401           Site Maintenance & Development         550         3,333         2,783         5,000         4,450           Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Rental         1,440         1,467         27         2,200         760           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,353           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,350           Equipment Loans Payable         61,600         0         20,000         3,000         3,000           Field Supplies         6,909         13,333         6,425         20,000         3,000           Accomodations & Meals         1,840         4,000         2,160         6,0	AMBIENT AIR MONITORING					
Chemical Analysis         4,682         13,333         8,651         20,000         15,318           QA/QC Expense         36,599         40,000         3,401         60,000         23,401           Site Maintenance & Development         550         3,333         2,783         5,000         4,450           Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Expental         1,440         1,467         27         2,200         760           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,932           Equipment Loans Payable         61,600         0         0         2,000         3,000         3,030           Field Supplies         6,909         13,333         6,425         20,000         3,000           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         47,140         43,333         -3,807<	Utilities Expense	11,782	11,333	<del>-44</del> 8	17,000	5,218
QA/QC Expense         36,599         40,000         3,401         60,000         23,401           Site Maintenance & Development         550         3,333         2,783         5,000         4,450           Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Rental         1,440         1,467         27         2,200         760           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,533           Equipment Loans Payable         61,600         61,600         0         92,400         30,800           Portable Trailer Expense         0         2,000         2,000         3,000         3,000           Field Supplies         6,909         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         48,940         54,333         5,393         7	Contractor Expense	92,855	97,333	4,479	146,000	53,145
QA/QC Expense         36,599         40,000         3,401         60,000         23,401           Site Maintenance & Development         550         3,333         2,783         5,000         4,450           Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Rental         1,440         1,467         27         2,200         760           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,938           Equipment Loans Payable         61,600         0         92,400         30,800           Portable Trailer Expense         0         2,000         2,000         3,000         3,000           Field Supplies         6,999         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         47,140         43,333         -3,807         65,000	Chemical Analysis	4,682	13,333	8,651	20,000	15,318
Site Maintenance & Development         550         3,333         2,783         5,000         4,450           Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Rental         1,440         1,467         27         2,200         760           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,353           Equipment Loans Payable         61,600         61,600         0         92,400         30,800           Portable Trailer Expense         0         2,000         2,000         3,000         3,000           Field Supplies         6,999         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         0         5,000         5,000         5,000         5,000         5,000         5,000         17,860           Oil Sampling & Analysis	QA/QC Expense	36,599	40,000	3,401	60,000	
Data Network Support & Software         5,091         6,000         909         6,000         909           Technical Workshops         1,078         3,333         2,255         5,000         3,922           Station Trailer Rental         1,440         1,467         27         2,200         760           Equipment Repair & Service         1,647         3,333         1,686         5,000         3,353           Equipment Loans Payable         61,600         61,600         0         92,400         30,800           Portable Trailer Expense         0         2,000         2,000         3,000         3,000           Field Supplies         6,909         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         226,073         260,400         34,327         387,600         17,860           Soil Sampling & Analysis         0         5,000         5,000         5,000         5,000         5,000           Soil Sampling & Analysis         0         6,000	Site Maintenance & Development	550		2,783		
Station Trailer Rental	Data Network Support & Software	5,091	6,000	909		
Station Trailer Rental	Technical Workshops	1,078		2.255		
Equipment Repair & Service         1,647         3,333         1,686         5,000         3,353           Equipment Loans Payable         61,600         0         0         92,400         30,800           Portable Trailer Expense         0         2,000         2,000         3,000         3,000           Field Supplies         6,909         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         0         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         4,200         6,000         4,200         6,000         4,200         76,000         27,060         4,200         76,000         27,060         27,060         27,060         27,060         27,060         2,300         2,300         30	Station Trailer Rental	1,440	1,467	27		
Equipment Loans Payable         61,600         61,600         0         92,400         30,800           Portable Trailer Expense         0         2,000         2,000         3,000         3,000           Field Supplies         6,909         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE         47,140         43,333         -3,807         65,000         17,860           Soil Sampling & Analysis         0         5,000         5,000         5,000         5,000         5,000           Miscellaneous Expenses         1,800         6,000         4,200         6,000         4,200           TOTAL AGRICULTURE EXPENSE         48,940         54,333         5,393         76,000         27,060           HONORARIUMS         2,600         2,200         -400         2,300         -300           TOTAL HONORARIUM EXPENSE         2,600         2,200         -400         2,300         -300           ASSET ACCOUNTS         2,000         20,000         0	Equipment Repair & Service	1,647	3,333	1.686		
Portable Trailer Expense   0   2,000   2,000   3,000   3,000   3,000   13,001   4,000   2,160   6,000   4,160   6,000   4,160   6,000   4,160   6,000   4,160   6,000   4,160   6,000   4,160   6,00	Equipment Loans Payable	61,600	61.600			
Field Supplies         6,909         13,333         6,425         20,000         13,091           Accomodations & Meals         1,840         4,000         2,160         6,000         4,160           TOTAL AAM EXPENSES         226,073         260,400         34,327         387,600         161,527           AGRICULTURE EXPENSE           Operations Contractor         47,140         43,333         -3,807         65,000         5,000           Soil Sampling & Analysis         0         5,000         5,000         5,000         5,000           Miscellaneous Expenses         1,800         6,000         4,200         6,000         4,200           TOTAL AGRICULTURE EXPENSE         48,940         54,333         5,393         76,000         27,060           HONORARIUMS         Land & Co-op Honorariums         2,600         2,200         -400         2,300         -300           TOTAL HONORARIUM EXPENSE         2,600         2,000         -400         2,300         -300           ASSET ACCOUNTS         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE	Portable Trailer Expense	0	2,000	2,000	3,000	3.000
Accompdations & Meals		6.909				
TOTAL AAM EXPENSES   226,073   260,400   34,327   387,600   161,527						
AGRICULTURE EXPENSE Operations Contractor Soil Sampling & Analysis Opera	TOTAL AAM EXPENSES	226,073				
Operations Contractor         47,140         43,333         -3,807         65,000         17,860           Soil Sampling & Analysis         0 5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         5,000         4,200         6,000         4,200         6,000         4,200         76,000         27,060         27,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000         20,000						,,
Soil Sampling & Analysis         0         5,000         5,000         5,000         5,000         5,000         4,200         5,000         4,200         6,000         4,200         6,000         4,200         6,000         4,200         6,000         4,200         6,000         4,200         76,000         27,060           HONORARIUMS           Land & Co-op Honorariums         2,600         2,200         -400         2,300         -300           TOTAL HONORARIUM EXPENSE         2,600         2,200         -400         2,300         -300           ASSET ACCOUNTS         Reclamation Trust Fund         2,000         2,000         0         2,000         0           WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004	AGRICULTURE EXPENSE					
Soil Sampling & Analysis         0         5,000         5,000         5,000         5,000         5,000         4,200         5,000         4,200         6,000         4,200         6,000         4,200         6,000         4,200         6,000         4,200         6,000         4,200         76,000         27,060           HONORARIUMS           Land & Co-op Honorariums         2,600         2,200         -400         2,300         -300           TOTAL HONORARIUM EXPENSE         2,600         2,200         -400         2,300         -300           ASSET ACCOUNTS         Reclamation Trust Fund         2,000         2,000         0         2,000         0           WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004	Operations Contractor	47,140	43.333	-3.807	65.000	17.860
Miscellaneous Expenses   1,800   6,000   4,200   6,000   4,200   70   70   70   70   70   70   70	Soil Sampling & Analysis					
TOTAL AGRICULTURE EXPENSE   48,940   54,333   5,393   76,000   27,060		1.800				
HONORARIUMS						
Land & Co-op Honorariums         2,600         2,200         -400         2,300         -300           TOTAL HONORARIUM EXPENSE         2,600         2,200         -400         2,300         -300           ASSET ACCOUNTS         Reclamation Trust Fund         2,000         2,000         0         2,000         0           WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004		,		2,200		
TOTAL HONORARIUM EXPENSE         2,600         2,200         -400         2,300         -300           ASSET ACCOUNTS         Reclamation Trust Fund         2,000         2,000         0         2,000         0           WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004	HONORARIUMS					
TOTAL HONORARIUM EXPENSE         2,600         2,200         -400         2,300         -300           ASSET ACCOUNTS         Reclamation Trust Fund         2,000         2,000         0         2,000         0           WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004	Land & Co-op Honorariums	2,600	2,200	-400	2,300	-300
ASSET ACCOUNTS   Reclamation Trust Fund   2,000   2,000   0   2,000   0   0   0   0   0   0   0   0   0	TOTAL HONORARIUM EXPENSE	2,600	2,200	-400		
Reclamation Trust Fund   2,000   2,000   0   2,000   0   0   0   0   0   0   0   0   0						
WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004	1 7 7 7					l
WCAS Contingency Account         20,000         20,000         0         20,000         0           TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004				o	2,000	ol
TOTAL ASSET ACCOUNTS         22,000         22,000         0         22,000         0           TOTAL EXPENSE         441,396         476,267         34,871         692,400         251,004		20,000	20,000	0	20,000	ol
						0
SURPLUS (DEFICIT) 328,121 0			476,267	34,871		251,004
	SURPLUS (DEFICIT)	328,121		The ALMOST A	0	time to the training

West Central Airshed Society - EPCOR/TRANSALTA Statement of Revenue & Expenditures
As at August 31, 2005

				Total	
	_	Year-to-Date	0	Budget	Balance in
	Actual to Date	Budget	Variance	For Year	Budget
FUNDING					
Epcor Operating Agreement	47088		•	68309	21221
TransAlta Operating Agreement	124750			204927	80177
TOTAL FUNDING	171,838			273,236	101,398
EXPENDITURES					
QA/QC Data Reporting	4300	2995	1367	8500	4200
TOTAL OFFICE & ADMIN EXPENSES	4,300	5,667	1,367	8,500	4,200
AMBIENT AIR MONITORING					
AAM Equip Loan Payments & Interest	88717	89200	483	133800	45083
Utilities Expense	6107	8000	1893	12000	
Contractor Expense	40625	`	3041	65500	24875
Chemical Analysis Passive Program	14188	16224	2036	24336	_
Site Maintenance	333		3000	2000	4667
Insurance	10412		-4345	9100	-1312
DAS Licensing Fee	606		1091	2000	1091
Field Supplies	3374	8000	4626	12000	8626
TOTAL AMBIENT AIR MONITORING	164,665	176,491	11,826	263,736	99,071
HONORARIUMS					
Land Honorariums	1000	1000	0	1000	0
TOTAL HONORARIUMS	1,000	1,000	0	1,000	0
TOTAL EXPENSE	169 965	183 157	13 192	273 236	103 271
SURPLUS (DEFICIT)	1.872	· · · · · · · · · · · · · · · · · · ·		0	
SURPLOS (DEFICIT)	7/0,1		· 11 11 11 11 11 11 11 11 11 11 11 11 11		육본 1000년

# Attachment C

# 2006 WCAS DRAFT BUDGET

2000 WOAS DIVA	i i boboci
\$718 973	
·	
14,552	\$733,82
•	
· ·	
·	
•	
-	
•	
•	
\$230,023	
20.000	
*	
•	
•	
·	
•	
•	
•	
· ·	
·	
•	
•	
	-
\$393 <u>,2</u> 00	
GE 000	
•	
•	
<del></del>	
\$10,000	
3.000	
2.000	
• • • •	
\$22,UUU	
	\$ 730,825
	-2005-
	\$718,973 500 14,352  \$ 85,000 2,500 4,000 1,125 15,000 9,000 2,000 25,000 6500 10,000 10,000 15,000 \$230,625  20,000 5,000 69,000 5,000 5,000 7,000 3,000 92,400 20,000 \$399,200  65,000 \$3,000 \$3,000 \$3,000 \$2,000 \$3,000 \$3,000 \$3,000 \$3,000 \$3,000

2006 WCAS - EPCOR/TRANSALTA DRAFT BUDGET

2006		EPCOR	TransAlta	Monthly Invoice	
	Annual			EPCOR	TransAlta
Loan Payment + Interest	133,800.00	33,450.00	100,350.00	2,787.50	8,362.50
Insurance	10,500.00	2,625.00	7,875.00	218.75	656.25
Passive Analysis & Collection	24,336.00	6,084.00	18,252.00	507.00	1,521.00
Technicians incl \$2000 meals etc	70,000.00	17,500.00	52,500.00	1,458.33	4,375.00
QA/QC Reporting	8,500.00	2,125.00	6,375.00	177.08	531.25
Utilities Expense	12,000.00	3,000.00	9,000.00	250.00	750.00
DAS Licencing Fees	2,000.00	200.00	1,500.00	41.67	125.00
Honorarium Expense	1,000.00	250.00	750.00	20.83	62.50
Site Maintenance	5,000.00	1,250.00	3,750.00	104.17	312.50
Field Supplies	12,000.00	3,000.00	9,000.00	250.00	750.00
Subtotal	279,136.00	69,784.00	209,352.00	5,815.33	17,446.00
Membership Fee (incl GST)	135,504.38	21,400.00	114,104.38	1,783.33	9,508.70
Total	414,640.38	91,184.00	323,456.38	7,598.67	26,954.70

#### Attachment E

September 22, 2005

Bob Scotten
Program Manager
West Central Airshed Society

Greg Swain Senior Technologist WCAS

Bob: I wanted to describe to you some of the issues facing the Technical team in regards to our interface with the Alberta Environment Audit team over the last year as highlighted by our most recent audit.

We carry our calibration equipment, including calibrators, flow meters, zero air generators and calibration cylinders to Alberta Environment at least once a year and often twice. Each new shipment of calibration gases is crosschecked with AENV before being deployed in the field. Our goal is to operate, as closely as possible, to the same standards as those used by AENV. Following is a fairly detailed description of several parameters.

**SO2**: During the early parts of the audit, (Jeff travelling with Al Clark and Bryan with Bruce Laing) I was on the phone regularly with each team. Preliminary results coming back indicated that the SO2 analyzers were out by a factor of approximately 0.82 at TM, VG and CC. Having completed the validation of our gases and calibrators on May 4, I was unable to imagine how we could be so far out. The attached draft copies of the audit of those three stations state the audit cylinder should have been 6.2 ppm, not the 7.4 ppm originally used, and correction factors of 0.96 or better were the final result at all three stations.

The failure of the analyzer at Meadows was a mechanical failure and was rectified immediately.

**TRS**: The TRS analyzer at Hinton failed the response time component of its audit. This was my fault. My understanding of this analyzer's behaviour in a pulp mill environment is improved. That being said, the history of the calibration gas certification and the audit of this location have been less than stellar.

Cylinder FF 27165 Manufacturer's Stated Concentration: 10.1 ppb H2S

Certification Date	Old Value	New Value	Correction Factor
October 1, 2004	10.1	8.1	0.802
May 4, 2005	8.1	9.38	1.158

Using these 3 very different cylinder concentrations for the same cylinder, sample calculations using nominal flow rates of 45 ccm for Cylinder Flow and 5.0 lpm for Total Flow would yield the following results for the calibrator output:

Page 1 of 3

2005 Audit response to Board.doc

(Cylinder Concentration) x (Cylinder Flow) / (Total Flow) = (Output Concentration)

Cylinder Concentration	Output Concentration	Correction Factor
8.1 ppm	72.9 ppb	0.802
9.38 ppm	84.42 ppb	0.929
10.1 ppm	90.9 ppb	1.000

These are some pretty large differences. By disregarding any cross-checking performed by AENV at the McIntyre Center in Edmonton and returning to the manufacturer's stated concentration of 10.1, and the auditor repairing a leak to his calibrator as described in his letter to West Fraser Pulp, the audit of June 21, 2005 gave an average correction factor of 1.027 (allowed 0.85 to 1.15).

It would be very wrong to assume that manufacturer's stated concentrations should be used in every case. The potential for differences to occur between our field standards and those used by AENV is huge. The world of permeation devices, NIST standards, EPA Protocol standards and Certified standards is filled with small differences that tend to compound themselves, which is why our focus is to confirm our standards with those of AENV. AENV's moving target described above lends a new level of difficulty to the problem that I'm not sure has been solved yet.

**Ozone**: The Ozone calibrator is a transfer standard that generates the same amount of ozone if the mass flow rate and the lamp voltage are held to a constant value. I have never seen a lamp increase its output as it ages, yet the following table suggests differently. The last certification, following the audit, returns the calibrator to an expected aging process.

Certification Date	Old Value	New Value	Correction Factor
January 13, 2004	132.0	131.1	0.993
February 17, 2005	131.1	137.1	1.046
June 16, 2005	137.1	130.2	0.950

The following is an excerpt from my log notes following the apparent Ozone analyzer failure at Tomahawk:

"June 8, 2005

Challenged O3 analyzer following the audit. Using the Teco 165, for a calculated value of 137.1 I got 138.1. Using GPT ozone, for a calculated value of 119.8 I got 124.0."

Assuming the certification value of 137.1 is wrong, which the GPT result confirms, the deviation would be in the order of 5%, not the 21% stated by the audit. Usually when audit values are different from those obtained by the technical team, a clear understanding of the reason(s) for the differences is apparent. I am unable to validate the findings of the audit in this case.

Page 2 of 3

2005 Audit response to Board.doc

Relative Humidity: The Relative Humidity probes at Carrot Creek and Breton were described as being 25% (relative) out. The probe at Carrot Creek was removed and sent back to the manufacturer for re-certification. The attached calibration sheet indicates a variance of 2.7% (absolute) at an RH of 25 %, which is outside manufacturer's tolerance and has been rectified. The sensor from Breton will be subjected to more rigorous testing on its as-received status, as the manufacturer has not experienced this type of drift on a relatively new sensor before.

I hope this provides some insight into the challenges that we, as a technical team, are faced with that may not be apparent in the AENV audit document. We work very diligently to ensure the data is of the highest quality. I believe that our relationship with AENV is a positive one; that we learn from their wider knowledge base and years of experience. They have kindly offered and we have accepted two newer model Ozone analyzers to replace the ones now on loan to us. The AENV audit team's willingness to investigate areas of disagreement shows a high level of professionalism and willingness to share their findings displays integrity. The technical team's goal is to have an audit that returns no issues and we work toward that end.

Sincerely,

Greg Swain

Page 3 of 3

2005 Audit response to Board.doc