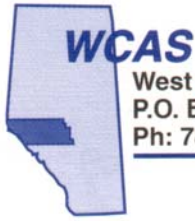




HINTON PULP
A DIVISION OF WEST FRASER MILLS LIMITED
Continuous Ambient Air Quality
Monitoring Program
Annual Summary for 2006

Operations and Data Collection by:
West Central Airshed Society
Drayton Valley, Alberta

QA/QC, Data Validation and Reporting by:
West Central Airshed Society
Drayton Valley, Alberta



West Central Airshed Society
P.O. Box 7421, Drayton Valley, Alberta T7A 1S6
Ph: 780-514-3533 • Fax: 780-514-3563 • www.wcas.ca

March 26, 2007

Hinton Pulp
A Division of West Fraser Mills Ltd.
Mr. Hercules Georgiadis
760 Switzer Drive
Hinton, Alberta
T7V 1V7

Dear Mr. Georgiadis:

Re: Annual Ambient Air Quality Monitoring Report. January – December 2006.
For Hinton Pulp – A Division of West Fraser Mills Ltd.

The West Central Airshed Society (WCAS) presents the 2006 Annual Report containing ambient air quality and meteorological information from the following site:

Network Station is AMS 906 Hinton
Identified as:

WCAS data collection and validation began January 1, 2004. The following is a list of the reported ambient air and meteorological parameters measured at the site location:

AMS 906 (Hinton)

TRS, Particulate Matter (10 microns), Wind Speed and Direction, Relative Humidity, and External Temperature.

If additional information is required please contact Patrick Andersen at (780) 514-3533 or (403) 505-1041.

Sincerely,

Patrick Andersen
Environmental Specialist

Hinton Pulp
A Division of West Fraser Mills Limited
Frequency Distribution Charts
Wind Speed and Direction
Year 2006

West Central Airshed Society - Hinton (AMS 906)
 Annual Summary for 2006
 Percentage Frequency Distribution of Wind

Speed (kph)							
Direction	>1 to 5	>5 to 11	>11 to 19	>19 to 28	>28 to 38	>38	Totals
North	3.96	0.43	--	--	--	--	4.39
NorthEast	16	0.61	--	--	--	--	16.61
East	9.54	0.61	--	--	--	--	10.15
SouthEast	3.55	0.79	0.01	--	--	--	4.35
South	4.54	0.72	0.1	--	--	--	5.37
SouthWest	13.77	11.06	2.18	--	--	--	27.01
West	12.55	2.13	0.21	--	--	--	14.89
NorthWest	3.85	0.94	0.07	--	--	--	4.85
Totals	67.76	17.28	2.57	--	--	--	87.61

Percent Calm	12.39
Number of Data Values	8760
Hours in Time Period	8760

Hinton Pulp
A Division of West Fraser Mills Limited
Frequency Distribution Charts
Total Reduced Sulfur Monthly Averages
Year 2006

West Central Airshed Society - Hinton (AMS 906)
 Annual Summary for 2006
 TRS (ppb)

Month	Number of Data	Operational Time (%)	Mean	Maximum 1-Hour Value	Number 1-Hour Exceedances*	Maximum 24-Hour Value	Number 24-Hour Exceedances*	Percent of Data in each Concentration Range			
								<=3	>3-10	>10-50	>50
January	707	100	1.7	22.7	3	3.9	2	86.56	13.01	0.42	-
February	638	100	1.1	13.7	2	2.9	0	91.69	7.99	0.31	-
March	704	99.33	1.1	12	1	2.4	0	93.61	6.25	0.14	-
April	679	100	2.1	45.2	24	9.5	4	84.83	11.63	3.53	-
May	705	100	1.2	46.9	20	7.6	2	94.75	2.41	2.84	-
June	670	100	1.3	25.9	10	5.8	2	91.34	7.16	1.49	-
July	700	100	1.6	19.8	12	4.5	1	86.71	11.57	1.71	-
August	702	100	1.2	14.4	5	2.5	0	91.03	8.26	0.71	-
September	686	100	1.1	14.9	6	2.8	0	88.48	10.64	0.87	-
October	708	100	1.7	27.2	12	4.7	1	83.62	14.69	1.69	-
November	686	100	1.1	20.4	6	4.9	1	94.31	4.81	0.87	-
December	708	100	0.5	4.7	0	1.1	0	99.72	0.28	-	-

Year 2006	Annual Number of Data Hours	Annual Operational Time (%)	Annual Mean (ppb)	Annual Maximum 1-Hour Value (ppb)	Annual Number 1-Hour Exceedances*	Annual Maximum 24-Hour Value (ppb)	Annual Number 24-Hour Exceedances*	Annual Percent of Data in each Concentration Range			
								<=3	>3-10	>10-50	>50
	8293	99.94	1.3	46.9	101	9.5	13	90.56	8.22	1.22	-

* Hours of TRS above 10 ppb H₂S Hourly Average Guideline.

Hinton Pulp
A Division of West Fraser Mills Limited
Frequency Distribution Charts
PM₁₀ Monthly Averages
Year 2006

West Central Airshed Society - Hinton (AMS 906)

Annual Summary for 2006

PM10 ($\mu\text{g}/\text{m}^3$)

Month	Number of Data	Operational Time (%)	Mean	Maximum 1-Hour Value	Maximum 24-Hour Value
January	739	99.33	56.9	528.8	169.9
February	669	99.55	56.2	566	146.7
March	740	99.46	49.9	655.1	135.7
April	718	99.72	94.5	951.5	315.6
May	744	100	27.2	430.8	70.4
June	717	99.58	41.7	332.4	83.3
July	744	100	24.8	147.5	48.1
August	744	100	39.6	412.4	77.2
September	719	99.86	52.3	464.5	110.4
October	744	100	61.9	718.6	171.3
November	716	100	14.3	84.3	37.6
December	742	99.73	37.4	407.6	92.4

Year 2006	Annual Number of Data Hours	Annual Operational Time (%)	Annual Mean ($\mu\text{g}/\text{m}^3$)	Annual Maximum 1-Hour Value ($\mu\text{g}/\text{m}^3$)	Annual Maximum 24-Hour Value ($\mu\text{g}/\text{m}^3$)
	8736	99.77	46.3	951.5	315.6

Hinton Pulp
A Division of West Fraser Mills Limited
Frequency Distribution Charts
Meteorological Measurements
Year 2006

Summary Report*Continuous air quality/meteorological monitoring measurements***West Central Airshed Society****Hinton Pulp / Hinton
Station 906****January to December 2006**

Parameter	Calibration Hours	Number of Data	Percent Uptime	Mean	Min	Max*	Percentile				
							P10	Q1	Median	Q3	P90
TRS (ppb)	462	8293	99.9	1.3	0.0	47.0	0.3	0.4	0.6	1.3	2.9
Particulate Matter 10 microns ($\mu\text{g}/\text{m}^3$)	4	8736	99.8	46.3	0.0	951.5	6.4	12.9	28.3	58.2	103.7
Wind Speed (kph)	0	8760	100.0	3.3	0.0	18.0	0.6	1.3	2.5	4.7	7.4
Temperature ($^{\circ}\text{C}$)	0	6829	78.2	1.3	-33.0	29.0	-6.0	-2.4	1.4	5.1	8.4
Relative Humidity (%)	0	5011	57.5	43.6	0.0	100.0	23.1	31.0	45.3	56.9	61.9
Std Dev Wind Direction (deg)	0	8760	100.0	51.1	0.0	103.0	30.1	37.6	47.2	62.7	79.5
Std Dev Wind Speed (kph)	0	8760	100.0	2.4	0.0	11.0	0.9	1.3	2.0	3.2	4.6

*Max 1-hour average value for year