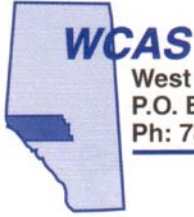




HINTON PULP
A DIVISION OF WEST FRASER MILLS LIMITED
Continuous Ambient Air Quality
Monitoring Program
Annual Summary for 2009

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

February 22nd, 2010

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

Dear Mr. Whitney:

Re: Annual Ambient Air Quality Monitoring Report. January – December 2009.
For Hinton Pulp – A Division of West Fraser Mills Ltd.

The West Central Airshed Society (WCAS) presents the 2009 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 2009

West Central Airshed Society - Hinton (AMS 906)
 Annual Summary for 2009
 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	4.46	0.54	-	-	-	-	5.00
NorthEast	14.62	0.14	-	-	-	-	14.76
East	12.52	0.16	-	-	-	-	12.68
SouthEast	3.43	0.71	-	-	-	-	4.14
South	3.37	0.48	0.03	-	-	-	3.88
SouthWest	11.08	10.56	1.55	-	-	-	23.19
West	14.40	1.86	0.02	-	-	-	16.28
NorthWest	6.73	1.13	0.11	-	-	-	7.97
Totals	70.61	15.58	1.71	-	-	-	87.90

Percent Calm	12.09
Number of Data Values	8751
Hours in Time Period	8760

Hinton Pulp
A Division of West Fraser Mills Limited
Frequency Distribution Charts
Total Reduced Sulfur Monthly Averages
Year 2009

West Central Airshed Society - Hinton (AMS 906)
 Annual Summary for 2009
 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	100.0	1.0	21.1	5	3.9	0	94.8	4.4	0.9	0.0
February	639	100.0	0.5	11.1	1	1.7	0	99.2	0.6	0.2	0.0
March	709	100.0	0.5	7.3	0	1.8	0	98.5	1.6	0.0	0.0
April	684	100.0	0.4	8.1	0	0.8	0	99.3	0.7	0.0	0.0
May	708	99.9	0.5	8.5	0	1.6	0	97.2	2.8	0.0	0.0
June	686	100.0	0.6	5.9	0	1.2	0	97.2	2.8	0.0	0.0
July	707	100.0	0.5	7.7	0	1.2	0	95.5	4.5	0.0	0.0
August	705	99.6	0.8	11.2	1	2.2	0	92.3	7.5	0.1	0.0
September	684	99.6	1.0	15.6	3	2.9	0	91.5	7.9	0.6	0.0
October	709	100.0	0.7	12.1	1	2.4	0	97.0	2.8	0.1	0.0
November	686	100.0	0.9	11.8	1	2.0	0	97.2	2.6	0.2	0.0
December	706	99.7	2.4	31.2	35	10.2	6	79.2	15.6	5.2	0.0
Annual	8330	99.9	0.8	31.2	47	10.2	6	94.9	4.5	0.6	0.0

* 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 2009

West Central Airshed Society - Hinton (AMS 906)
 Annual Summary for 2009
 PM10 (ppm)

Month	Number of Data	Operational Time (%)	Mean	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations
January	738	100.0	21.3	316.9	0	87.2	0
February	668	99.4	39.0	365.5	0	145.8	2
March	744	100.0	24.5	287.1	0	91.4	0
April	715	100.0	25.8	245.9	0	50.9	0
May	739	99.3	24.2	265.0	0	53.9	0
June	720	100.0	20.2	155.5	0	56.9	0
July	738	100.0	19.3	112.8	0	39.5	0
August	737	99.1	26.3	189.8	0	52.0	0
September	717	99.6	29.4	230.4	0	58.4	0
October	741	100.0	17.9	270.6	0	74.9	0
November	716	99.4	34.5	556.4	0	114.1	1
December	742	99.7	7.5	63.2	0	16.6	0
Annual	8715	99.7	24.0	556.4	0	145.8	3

Hinton Pulp
A Division of West Fraser Mills Limited
Frequency Distribution Charts
Meteorological Measurements
Year 2009

Summary Report

Continuous air quality/meteorological monitoring measurements

West Central Airshed Society

**Hinton Pulp / Hinton
Station 906**

January to December 2009

Parameter	Calibration Hours	Number of Data	Percent Uptime	Mean	Min	Max	----- P10	----- Q1	Percentile Median	----- Q3	----- P90
TRS (ppb)	421	8330	99.9	0.8	0.0	31.2	0.1	0.2	0.3	0.8	2.0
Particulate Matter 10 microns (μ/m^3)	20	8715	99.7	24.2	0.0	556.4	5.7	9.4	17.0	29.6	49.8
Wind Speed (kph)	0	8751	99.9	3.1	0.0	19.1	0.5	1.0	2.2	4.3	7.1
Temperature ($^{\circ}C$)	0	8751	99.9	2.9	-38.3	31.2	-6.9	-2.3	3.3	8.1	12.3
Relative Humidity (%)	0	8751	99.9	57.5	3.0	91.4	28.3	39.4	59.2	76.6	84.0
Std Dev Wind Direction (deg)	0	8751	99.9	54.4	12.0	124.3	32.5	40.4	50.3	65.7	84.8
Std Dev Wind Speed (kph)	0	8751	99.9	2.5	0.0	12.5	0.9	1.3	2.1	3.4	4.9