

CEM - 2010 (Quarterly)

British Columbia Hydro and Power Authority
Permit: 0330 / Due Date: Jan 30 2010

01A - Power boiler #1

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	19 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	9.3 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 13 2009
Maximum Hourly Average Test Result:	39.6 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 12 2009
Average of Test Results Over the Quarter:	25.716 mg/m3
98th Percentile Value:	36.72 mg/m3
Data Recovery:	100 %
Comments:	A=1hr data

01B - Power boiler #1

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	19 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	24.5 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 12 2009
Maximum Hourly Average Test Result:	33.3 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 13 2009
Average of Test Results Over the Quarter:	30.879 mg/m3
98th Percentile Value:	33.264 mg/m3
Data Recovery:	100 %
Comments:	B=24 hr data

02A - Power boiler #2

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	0 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	0 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Oct 01 2009
Maximum Hourly Average Test Result:	0 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Oct 01 2009
Average of Test Results Over the Quarter:	0 mg/m3
98th Percentile Value:	0 mg/m3
Data Recovery:	100 %
Comments:	A=1 hr data, Unit 2 did not run during this quarter

02B - Power boiler #2

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	0 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3

Minimum Hourly Average Test Result:	0 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Oct 01 2009
Maximum Hourly Average Test Result:	0 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Oct 01 2009
Average of Test Results Over the Quarter:	0 mg/m3
98th Percentile Value:	0 mg/m3
Data Recovery:	100 %
Comments:	B=24 hr data, Unit 2 did not run during this quarter

O3A - Power boiler #3

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	56 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	11.9 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 03 2009
Maximum Hourly Average Test Result:	36 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 03 2009
Average of Test Results Over the Quarter:	29.066 mg/m3
98th Percentile Value:	35.51 mg/m3
Data Recovery:	100 %
Comments:	A=1hr data

O3B - Power boiler #3

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	56 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	13 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 03 2009
Maximum Hourly Average Test Result:	31.1 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 05 2009
Average of Test Results Over the Quarter:	26.798 mg/m3
98th Percentile Value:	30.98 mg/m3
Data Recovery:	100 %
Comments:	B=24 hr data

O4A - Power boiler #4

Nitrogen Oxides

Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	87 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	11.3 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 06 2009
Maximum Hourly Average Test Result:	35.9 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 06 2009
Average of Test Results Over the Quarter:	28.228 mg/m3
98th Percentile Value:	32.04 mg/m3
Data Recovery:	100 %
Comments:	A=1 hr data

O4B - Power boiler #4

Nitrogen Oxides	
Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	87 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	14.1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 02 2009
Maximum Hourly Average Test Result:	32.9 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 03 2009
Average of Test Results Over the Quarter:	27.661 mg/m3
98th Percentile Value:	32.603 mg/m3
Data Recovery:	100 %
Comments:	B=24 hr data

05A - Power boiler #5

Nitrogen Oxides	
Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	86 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	14.1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 02 2009
Maximum Hourly Average Test Result:	34.7 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 03 2009
Average of Test Results Over the Quarter:	30.235 mg/m3
98th Percentile Value:	32.19 mg/m3
Data Recovery:	100 %
Comments:	A=1 hr data

05B - Power boiler #5

Nitrogen Oxides	
Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	86 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	8.1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Nov 02 2009
Maximum Hourly Average Test Result:	31.3 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Nov 06 2009
Average of Test Results Over the Quarter:	27.926 mg/m3
98th Percentile Value:	31.3 mg/m3
Data Recovery:	100 %
Comments:	B=24 hr data

06A - Power boiler #6

Nitrogen Oxides	
Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	33 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	13.7 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Dec 16 2009
Maximum Hourly Average Test Result:	39.3 mg/m3

Date/Time of Maximum Hourly Average Test Result:	Dec 15 2009
Average of Test Results Over the Quarter:	26.885 mg/m3
98th Percentile Value:	35.844 mg/m3
Data Recovery:	100 %
Comments:	A=1 hr data
06B - Power boiler #6	
Nitrogen Oxides	
Test Date Range:	October 1 - December 31
Total Hours of Data Collected:	33 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	11.1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Dec 15 2009
Maximum Hourly Average Test Result:	30.1 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Dec 16 2009
Average of Test Results Over the Quarter:	23.758 mg/m3
98th Percentile Value:	30.036 mg/m3
Data Recovery:	100 %
Comments:	B=24 hr data