

CEM - 2009 (Quarterly)

British Columbia Hydro and Power Authority
Permit: 0330 / Due Date: Oct 30 2009

01A - Power boiler #1

Nitrogen Oxides

Test Date Range:	July 1 - September 30
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:	Jul 01 2009
Maximum Hourly Average Test Result:	0 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Jul 01 2009
Average of Test Results Over the Quarter:	0 mg/m3
98th Percentile Value:	0 mg/m3
Data Recovery:	100 %
Comments:	Unit 1 did not run during this quarter. A=1 hr data

01B - Power boiler #1

Nitrogen Oxides

Test Date Range:	July 1 - September 30
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:	Jul 01 2009
Maximum Hourly Average Test Result:	0 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Jul 01 2009
Average of Test Results Over the Quarter:	0 mg/m3
98th Percentile Value:	0 mg/m3
Data Recovery:	100 %
Comments:	Unit 1 did not run during this quarter. B=24hr data

02A - Power boiler #2

Nitrogen Oxides

Test Date Range:	July 1 - September 30
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:	Jul 01 2009
Maximum Hourly Average Test Result:	0 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Jul 01 2009
Average of Test Results Over the Quarter:	0 mg/m3
98th Percentile Value:	0 mg/m3
Data Recovery:	100 %
Comments:	Unit 2 did not run during this quarter. A=1hr data

02B - Power boiler #2

Nitrogen Oxides

Test Date Range:	July 1 - September 30
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:	Jul 01 2009
Maximum Hourly Average Test Result:	0 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Jul 01 2009
Average of Test Results Over the Quarter:	0 mg/m3
98th Percentile Value:	0 mg/m3
Data Recovery:	100 %
Comments:	Unit 2 did not run during this quarter. B=24hr data

O3A - Power boiler #3

Nitrogen Oxides

Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	13 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	18.1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Jul 21 2009
Maximum Hourly Average Test Result:	33.6 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Jul 21 2009
Average of Test Results Over the Quarter:	27.592 mg/m3
98th Percentile Value:	32.976 mg/m3
Data Recovery:	100 %
Comments:	A=1hr data

O3B - Power boiler #3

Nitrogen Oxides

Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	13 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	10.1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Jul 21 2009
Maximum Hourly Average Test Result:	22.9 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Jul 22 2009
Average of Test Results Over the Quarter:	15.965 mg/m3
98th Percentile Value:	22.629 mg/m3
Data Recovery:	100 %
Comments:	B=24hr data

O4A - Power boiler #4

Nitrogen Oxides

Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	295 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	6.2 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Jul 28 2009
Maximum Hourly Average Test Result:	44.9 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Sep 22 2009
Average of Test Results Over the Quarter:	28.705 mg/m3
98th Percentile Value:	31.936 mg/m3
Data Recovery:	100 %
Comments:	A=1hr data

O4B - Power boiler #4

Nitrogen Oxides	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	295 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	2.7 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Sep 11 2009
Maximum Hourly Average Test Result:	30.8 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Sep 20 2009
Average of Test Results Over the Quarter:	26.116 mg/m3
98th Percentile Value:	30.675 mg/m3
Data Recovery:	100 %
Comments:	B=24hr data

05A - Power boiler #5

Nitrogen Oxides	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	438 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	1 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Sep 09 2009
Maximum Hourly Average Test Result:	43.9 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Sep 09 2009
Average of Test Results Over the Quarter:	29.334 mg/m3
98th Percentile Value:	33.752 mg/m3
Data Recovery:	100 %
Comments:	A=1hr data

05B - Power boiler #5

Nitrogen Oxides	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	438 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	3.8 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Aug 08 2009
Maximum Hourly Average Test Result:	32.5 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Sep 02 2009
Average of Test Results Over the Quarter:	27.56 mg/m3
98th Percentile Value:	32.257 mg/m3
Data Recovery:	100 %
Comments:	B=24hr data

06A - Power boiler #6

Nitrogen Oxides	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	285 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	52 mg/m3
Minimum Hourly Average Test Result:	4.3 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Jul 28 2009
Maximum Hourly Average Test Result:	46.7 mg/m3

Date/Time of Maximum Hourly Average Test Result:	Jul 27 2009
Average of Test Results Over the Quarter:	29.245 mg/m3
98th Percentile Value:	33.064 mg/m3
Data Recovery:	100 %
Comments:	A= 1hr data
06B - Power boiler #6	
Nitrogen Oxides	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	285 hrs
Permitted Flow Limit:	7600 m3/min
Average Measured CEM Flow:	
Contaminant Permit Limit Value:	35 mg/m3
Minimum Hourly Average Test Result:	4.825 mg/m3
Date/Time of Minimum Hourly Average Test Result:	Jul 27 2009
Maximum Hourly Average Test Result:	31.55 mg/m3
Date/Time of Maximum Hourly Average Test Result:	Sep 04 2009
Average of Test Results Over the Quarter:	27.407 mg/m3
98th Percentile Value:	31.489 mg/m3
Data Recovery:	100 %
Comments:	B= 24hr data