

CEM - 2010 (Quarterly)

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

| 01A - Power boiler #1 | |
|--|---|
| Nitrogen Oxides | |
| Test Date Range: | January 1 - March 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: | Jan 01 2010 |
| Maximum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 01 2010 |
| Average of Test Results Over the Quarter: | 0 mg/m3 |
| 98th Percentile Value: | 0 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | Unit #1 did not operate during this quarter |
| 01B - Power boiler #1 | |
| Nitrogen Oxides | |
| Test Date Range: | January 1 - March 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: | Jan 01 2010 |
| Maximum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 01 2010 |
| Average of Test Results Over the Quarter: | 0 mg/m3 |
| 98th Percentile Value: | 0 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | Unit #1 did not operate during this quarter |
| 02A - Power boiler #2 | |
| Nitrogen Oxides | |
| Test Date Range: | January 1 - March 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: | Jan 01 2010 |
| Maximum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 01 2010 |
| Average of Test Results Over the Quarter: | 0 mg/m3 |
| 98th Percentile Value: | 0 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | Unit #2 did not operate during this quarter |
| 02B - Power boiler #2 | |
| Nitrogen Oxides | |
| Test Date Range: | January 1 - March 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 |

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|--|---|
| Minimum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 01 2010 |
| Maximum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 01 2010 |
| Average of Test Results Over the Quarter: | 0 mg/m3 |
| 98th Percentile Value: | 0 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | Unit #2 did not operate during this quarter |

03A - Power boiler #3

Nitrogen Oxides

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|--|----------------------|
| Test Date Range: | January 1 - March 31 |
| Total Hours of Data Collected: | 3 hrs |
| Permitted Flow Limit: | 7600 m3/min |
| Average Measured CEM Flow: | |
| Contaminant Permit Limit Value: | 52 mg/m3 |
| Minimum Hourly Average Test Result: | 19.5 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 27 2010 |
| Maximum Hourly Average Test Result: | 29.5 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 27 2010 |
| Average of Test Results Over the Quarter: | 25.667 mg/m3 |
| 98th Percentile Value: | 29.44 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | |

03B - Power boiler #3

Nitrogen Oxides

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|--|----------------------|
| Test Date Range: | January 1 - March 31 |
| Total Hours of Data Collected: | 3 hrs |
| Permitted Flow Limit: | 7600 m3/min |
| Average Measured CEM Flow: | |
| Contaminant Permit Limit Value: | 35 mg/m3 |
| Minimum Hourly Average Test Result: | 20.1 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 27 2010 |
| Maximum Hourly Average Test Result: | 20.6 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 27 2010 |
| Average of Test Results Over the Quarter: | 20.3 mg/m3 |
| 98th Percentile Value: | 20.584 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | |

04A - Power boiler #4

Nitrogen Oxides

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|--|----------------------|
| Test Date Range: | January 1 - March 31 |
| Total Hours of Data Collected: | 1 hrs |
| Permitted Flow Limit: | 7600 m3/min |
| Average Measured CEM Flow: | |
| Contaminant Permit Limit Value: | 52 mg/m3 |
| Minimum Hourly Average Test Result: | 25.5 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 31 2010 |
| Maximum Hourly Average Test Result: | 25.5 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 31 2010 |
| Average of Test Results Over the Quarter: | 25.5 mg/m3 |
| 98th Percentile Value: | 25.5 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | |

04B - Power boiler #4

| Nitrogen Oxides | |
|--|----------------------|
| Test Date Range: | January 1 - March 31 |
| Total Hours of Data Collected: | 1 hrs |
| Permitted Flow Limit: | 7600 m3/min |
| Average Measured CEM Flow: | |
| Contaminant Permit Limit Value: | 35 mg/m3 |
| Minimum Hourly Average Test Result: | 5.1 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 31 2010 |
| Maximum Hourly Average Test Result: | 5.1 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 31 2010 |
| Average of Test Results Over the Quarter: | 5.1 mg/m3 |
| 98th Percentile Value: | 5.1 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | |

05A - Power boiler #5

| Nitrogen Oxides | |
|--|---|
| Test Date Range: | January 1 - March 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: | Jan 01 2010 |
| Maximum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 01 2010 |
| Average of Test Results Over the Quarter: | 0 mg/m3 |
| 98th Percentile Value: | 0 mg/m3 |
| Data Recovery: | 0 % |
| Comments: | Unit #5 did not generate >45 MW during this quarter |

05B - Power boiler #5

| Nitrogen Oxides | |
|--|---|
| Test Date Range: | January 1 - March 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: | Jan 01 2010 |
| Maximum Hourly Average Test Result: | 0 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 01 2010 |
| Average of Test Results Over the Quarter: | 0 mg/m3 |
| 98th Percentile Value: | 0 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | Unit #5 did not generate >45 MW during this quarter |

06A - Power boiler #6

| Nitrogen Oxides | |
|--|----------------------|
| Test Date Range: | January 1 - March 31 |
| Total Hours of Data Collected: | 5 hrs |
| Permitted Flow Limit: | 7600 m3/min |
| Average Measured CEM Flow: | |
| Contaminant Permit Limit Value: | 52 mg/m3 |
| Minimum Hourly Average Test Result: | 21.2 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 25 2010 |
| Maximum Hourly Average Test Result: | 48.7 mg/m3 |

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| Date/Time of Maximum Hourly Average Test Result: | Jan 25 2010 |
| Average of Test Results Over the Quarter: | 34.96 mg/m3 |
| 98th Percentile Value: | 48.396 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | |
| 06B - Power boiler #6 | |
| Nitrogen Oxides | |
| Test Date Range: | January 1 - March 31 |
| Total Hours of Data Collected: | 5 hrs |
| Permitted Flow Limit: | 7600 m3/min |
| Average Measured CEM Flow: | |
| Contaminant Permit Limit Value: | 35 mg/m3 |
| Minimum Hourly Average Test Result: | 11 mg/m3 |
| Date/Time of Minimum Hourly Average Test Result: | Jan 25 2010 |
| Maximum Hourly Average Test Result: | 14.4 mg/m3 |
| Date/Time of Maximum Hourly Average Test Result: | Jan 25 2010 |
| Average of Test Results Over the Quarter: | 12.16 mg/m3 |
| 98th Percentile Value: | 14.248 mg/m3 |
| Data Recovery: | 100 % |
| Comments: | |