

CEM - 2023 (Quarterly)

Parkland Refining (B.C.) Ltd.
Permit: 1217 / Due Date: April 30, 2023

19R - Fluid catalytic cracker (FCC) regenerator and waste heat boiler (WHB)	
Nitrogen Oxides	
Test Date Range:	January 1 - March 31
Total Hours of Data Collected:	739.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	500.0000 kg/d
Minimum Hourly Average Test Result:	26.000 kg/d
Date/Time of Minimum Hourly Average Test Result:	February 01, 2023
Maximum Hourly Average Test Result:	260.000 kg/d
Date/Time of Maximum Hourly Average Test Result:	January 21, 2023
Average of Test Results Over the Quarter:	221.000 kg/d
98th Percentile Value:	258.000 kg/d
Data Recovery:	99.000 %
Comments:	FCC shutdown for 2023 turnaround
Opacity	
Test Date Range:	January 1 - March 31
Total Hours of Data Collected:	745.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	20.0000 %
Minimum Hourly Average Test Result:	2.000 %
Date/Time of Minimum Hourly Average Test Result:	March 29, 2023
Maximum Hourly Average Test Result:	20.000 %
Date/Time of Maximum Hourly Average Test Result:	March 31, 2023
Average of Test Results Over the Quarter:	6.000 %
98th Percentile Value:	14.000 %
Data Recovery:	100.000 %
Comments:	FCC shutdown for 2023 turnaround

Sulphur Oxides	
Test Date Range:	January 1 - March 31
Total Hours of Data Collected:	739.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	400.0000 mg/m3
Minimum Hourly Average Test Result:	0.000 mg/m3
Date/Time of Minimum Hourly Average Test Result:	March 29, 2023
Maximum Hourly Average Test Result:	584.000 mg/m3
Date/Time of Maximum Hourly Average Test Result:	January 10, 2023
Average of Test Results Over the Quarter:	296.000 mg/m3
98th Percentile Value:	346.000 mg/m3
Data Recovery:	99.000 %
Comments:	FCC shutdown for 2023 turnaround