

CEM - 2025 (Quarterly)

Parkland Refining (B.C.) Ltd.
Permit: 1217 / Due Date: July 31, 2025

19R - Fluid catalytic cracker (FCC) regenerator and waste heat boiler (WHB)	
Nitrogen oxides	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1801.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	500.0000 kg/d
Minimum Hourly Average Test Result:	40.000 kg/d
Date/Time of Minimum Hourly Average Test Result:	April 21, 2025
Maximum Hourly Average Test Result:	320.000 kg/d
Date/Time of Maximum Hourly Average Test Result:	April 08, 2025
Average of Test Results Over the Quarter:	243.000 kg/d
98th Percentile Value:	308.000 kg/d
Data Recovery:	91.000 %
Comments:	
Opacity	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	2172.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	20.0000 %
Minimum Hourly Average Test Result:	1.000 %
Date/Time of Minimum Hourly Average Test Result:	April 16, 2025
Maximum Hourly Average Test Result:	21.000 %
Date/Time of Maximum Hourly Average Test Result:	April 22, 2025
Average of Test Results Over the Quarter:	8.000 %
98th Percentile Value:	15.000 %
Data Recovery:	99.000 %
Comments:	4 hours of opacity above 20% during startup of the FCC.

Sulphur oxides	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1801.00 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:	April 22, 2025
Maximum Hourly Average Test Result:	342.000 mg/m3
Date/Time of Maximum Hourly Average Test Result:	June 24, 2025
Average of Test Results Over the Quarter:	232.000 mg/m3
98th Percentile Value:	282.000 mg/m3
Data Recovery:	91.000 %
Comments:	