

CEM - 2017 (Quarterly)

Lafarge Canada Inc.

Permit: 0154 / Due Date: October 30, 2017

35 - Cement kiln, preheater, precalciner, coal mill, raw mill, clinker cooler, homogenization silo extract (57-AIF-01 & 53-AIF-01)

Carbon Monoxide

Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	1720.00 hours
Permitted Flow Limit:	6200.00 m3/min
Average Measured CEM Flow:	5591.400 m3/min
Minimum Hourly Average Test Result:	93.700 mg/m3
Date/Time of Minimum Hourly Average Test Result:	July 20, 2017
Maximum Hourly Average Test Result:	947.500 mg/m3
Date/Time of Maximum Hourly Average Test Result:	July 28, 2017
Average of Test Results Over the Quarter:	311.100 mg/m3
98th Percentile Value:	457.100 mg/m3
Data Recovery:	93.400 %
Comments:	

Nitrogen Oxides

Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	1810.00 hours
Permitted Flow Limit:	6200.00 m3/min
Average Measured CEM Flow:	5591.400 m3/min
Contaminant Permit Limit:	1200.0000 mg/m3
Minimum Hourly Average Test Result:	69.648 mg/m3
Date/Time of Minimum Hourly Average Test Result:	July 20, 2017
Maximum Hourly Average Test Result:	1486.000 mg/m3
Date/Time of Maximum Hourly Average Test Result:	July 03, 2017
Average of Test Results Over the Quarter:	653.800 mg/m3
98th Percentile Value:	1006.200 mg/m3
Data Recovery:	97.900 %
Comments:	

Opacity	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	1801.00 hours
Permitted Flow Limit:	6200.00 m3/min
Average Measured CEM Flow:	5591.400 m3/min
Contaminant Permit Limit:	10.0000 %
Minimum Hourly Average Test Result:	1.300 %
Date/Time of Minimum Hourly Average Test Result:	September 09, 2017
Maximum Hourly Average Test Result:	13.600 %
Date/Time of Maximum Hourly Average Test Result:	July 27, 2017
Average of Test Results Over the Quarter:	4.500 %
98th Percentile Value:	9.500 %
Data Recovery:	98.800 %
Comments:	
Oxygen	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	1809.00 hours
Permitted Flow Limit:	6200.00 m3/min
Average Measured CEM Flow:	5591.400 m3/min
Minimum Hourly Average Test Result:	7.300 %
Date/Time of Minimum Hourly Average Test Result:	August 29, 2017
Maximum Hourly Average Test Result:	16.300 %
Date/Time of Maximum Hourly Average Test Result:	September 30, 2017
Average of Test Results Over the Quarter:	9.900 %
98th Percentile Value:	12.200 %
Data Recovery:	98.300 %
Comments:	

Sulphur Oxides	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	1810.00 hours
Permitted Flow Limit:	6200.00 m3/min
Average Measured CEM Flow:	5591.400 m3/min
Contaminant Permit Limit:	450.0000 mg/m3
Minimum Hourly Average Test Result:	0.000 mg/m3
Date/Time of Minimum Hourly Average Test Result:	August 03, 2017
Maximum Hourly Average Test Result:	597.800 mg/m3
Date/Time of Maximum Hourly Average Test Result:	August 22, 2017
Average of Test Results Over the Quarter:	116.700 mg/m3
98th Percentile Value:	371.800 mg/m3
Data Recovery:	97.900 %
Comments:	
Total Hydrocarbon (as Methane)	
Test Date Range:	July 1 - September 30
Total Hours of Data Collected:	1800.00 hours
Permitted Flow Limit:	6200.00 m3/min
Average Measured CEM Flow:	5591.400 m3/min
Contaminant Permit Limit:	70.0000 mg/m3
Minimum Hourly Average Test Result:	9.600 mg/m3
Date/Time of Minimum Hourly Average Test Result:	July 20, 2017
Maximum Hourly Average Test Result:	76.200 mg/m3
Date/Time of Maximum Hourly Average Test Result:	July 04, 2017
Average of Test Results Over the Quarter:	36.100 mg/m3
98th Percentile Value:	60.000 mg/m3
Data Recovery:	97.400 %
Comments:	