

# CEM - 2012 (Quarterly)

*Lehigh Hanson Materials Limited*  
 Permit: 0175 / Due Date: July 30, 2012

06 - Raw mill, preheater, and kiln	
Carbon Monoxide	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1780.00 hours
Permitted Flow Limit:	8500.00 m3/min
Average Measured CEM Flow:	Microsoft.ReportingServices.ReportProcessing.ReportObjectModel.FieldImpl m3/min
Minimum Hourly Average Test Result:	0.000 mg/m3
Date/Time of Minimum Hourly Average Test Result:	June 05, 2012
Maximum Hourly Average Test Result:	492.000 mg/m3
Date/Time of Maximum Hourly Average Test Result:	June 14, 2012
Average of Test Results Over the Quarter:	218.000 mg/m3
98th Percentile Value:	324.000 mg/m3
Data Recovery:	100.000 %
Comments:	
Nitrogen Oxides	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1780.00 hours
Permitted Flow Limit:	8500.00 m3/min
Average Measured CEM Flow:	Microsoft.ReportingServices.ReportProcessing.ReportObjectModel.FieldImpl m3/min
Contaminant Permit Limit:	600.0000 kg/h
Minimum Hourly Average Test Result:	2.000 kg/h
Date/Time of Minimum Hourly Average Test Result:	April 04, 2012
Maximum Hourly Average Test Result:	668.000 kg/h
Date/Time of Maximum Hourly Average Test Result:	May 18, 2012
Average of Test Results Over the Quarter:	378.000 kg/h
98th Percentile Value:	559.000 kg/h
Data Recovery:	100.000 %
Comments:	
Opacity	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1775.00 hours
Permitted Flow Limit:	8500.00 m3/min
Average Measured CEM Flow:	Microsoft.ReportingServices.ReportProcessing.ReportObjectModel.FieldImpl m3/min

Contaminant Permit Limit:	20.0000 %
Minimum Hourly Average Test Result:	2.000 %
Date/Time of Minimum Hourly Average Test Result:	April 15, 2012
Maximum Hourly Average Test Result:	14.000 %
Date/Time of Maximum Hourly Average Test Result:	May 14, 2012
Average of Test Results Over the Quarter:	7.600 %
98th Percentile Value:	11.000 %
Data Recovery:	99.700 %
Comments:	

#### Oxygen

Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1780.00 hours
Permitted Flow Limit:	8500.00 m3/min
Average Measured CEM Flow:	Microsoft.ReportingServices.ReportProcessing.ReportObjectModel.FieldImpl m3/min
Minimum Hourly Average Test Result:	7.800 %
Date/Time of Minimum Hourly Average Test Result:	June 11, 2012
Maximum Hourly Average Test Result:	22.100 %
Date/Time of Maximum Hourly Average Test Result:	April 02, 2012
Average of Test Results Over the Quarter:	11.700 %
98th Percentile Value:	18.900 %
Data Recovery:	100.000 %
Comments:	

#### Sulphur Oxides

Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1780.00 hours
Permitted Flow Limit:	8500.00 m3/min
Average Measured CEM Flow:	Microsoft.ReportingServices.ReportProcessing.ReportObjectModel.FieldImpl m3/min
Contaminant Permit Limit:	500.0000 mg/m3
Minimum Hourly Average Test Result:	0.000 mg/m3
Date/Time of Minimum Hourly Average Test Result:	April 04, 2012
Maximum Hourly Average Test Result:	134.000 mg/m3
Date/Time of Maximum Hourly Average Test Result:	May 09, 2012
Average of Test Results Over the Quarter:	37.000 mg/m3
98th Percentile Value:	86.000 mg/m3
Data Recovery:	100.000 %
Comments:	

Total Hydrocarbons	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1780.00 hours
Permitted Flow Limit:	8500.00 m3/min
Average Measured CEM Flow:	Microsoft.ReportingServices.ReportProcessing.ReportObjectModel.FieldImpl m3/min
Contaminant Permit Limit:	50.0000 mg/m3
Minimum Hourly Average Test Result:	1.200 mg/m3
Date/Time of Minimum Hourly Average Test Result:	June 20, 2012
Maximum Hourly Average Test Result:	14.400 mg/m3
Date/Time of Maximum Hourly Average Test Result:	April 09, 2012
Average of Test Results Over the Quarter:	2.400 mg/m3
98th Percentile Value:	4.500 mg/m3
Data Recovery:	100.000 %
Comments:	