

Stack - 2013 (Yearly)

Fraser Richmond Soil & Fibre Ltd.
Permit: 1054 / Due Date: September 30, 2013

01 - Combined Heat and Power Unit					
Nitrogen Oxides					
Test Dates:	Dec 06, 2013				
Test Results:	478.2000 mg/m3	466.6000 mg/m3	469.5000 mg/m3		
Average of Test Results:	471.433 mg/m3				
Contaminant Permit Limit:	500.0000 mg/m3				
Test Result Comments:					
Flow Results:	66.200 m3/min	66.400 m3/min	67.200 m3/min		
Average of Flow Results:	66.6 m3/min				
Permitted Flow Limit:	74.00 m3/min				
Flow Result Comments:					
Particulate Matter					
Test Dates:	Dec 06, 2013				
Test Results:	13.5000 mg/m3	4.7000 mg/m3	4.7000 mg/m3		
Average of Test Results:	7.633 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:	When corrected to 5% O2 the average value is 9.6 mg/m3 @ 5% O2				
Flow Results:	66.200 m3/min	66.400 m3/min	67.200 m3/min		
Average of Flow Results:	66.6 m3/min				
Permitted Flow Limit:	74.00 m3/min				
Flow Result Comments:					
Sulphur Oxides					
Test Dates:	Dec 06, 2013				
Test Results:	60.2000 mg/m3	57.2000 mg/m3	61.4000 mg/m3		
Average of Test Results:	59.6 mg/m3				
Contaminant Permit Limit:	40.0000 mg/m3				
Out of Compliance Explanation:	Most possible cause of the high level in sulphur oxides was an abnormal high concentration of H2S in the inlet				
Plan of Action to Obtain Compliance:	H2S is maintained under 75ppm and while checking the performance of the CHP, emissions are going to be verified to make sure that the problem is solved.				
Test Result Comments:					
Flow Results:	66.200 m3/min	66.400 m3/min	67.200 m3/min		
Average of Flow Results:	66.6 m3/min				
Permitted Flow Limit:	74.00 m3/min				
Flow Result Comments:					

Total Volatile Organic Compounds					
Test Dates:	Dec 06, 2013				
Test Results:	905.4000 mg/m3	879.1000 mg/m3	913.6000 mg/m3		
Average of Test Results:	899.367 mg/m3				
Contaminant Permit Limit:	120.0000 mg/m3				
Out of Compliance Explanation:	Undergoing investigation to determine the causes				
Plan of Action to Obtain Compliance:	New measures are going to be taken. Maintenance check to the CHP is going to be performed to determine the causes of the high concentration in VOCs				
Test Result Comments:					
Flow Results:	66.200 m3/min	66.400 m3/min	67.200 m3/min		
Average of Flow Results:	66.6 m3/min				
Permitted Flow Limit:	74.00 m3/min				
Flow Result Comments:					