

# Stack - 2023 (Yearly)

FortisBC Energy Inc.

Permit: 1215 / Due Date: July 31, 2023

01 - Incinerator					
Combustion Particulate Matter 2.5					
<b>Test Dates:</b>	Jul 19, 2023	Jul 19, 2023	Jul 19, 2023		
<b>Test Results:</b>	13.9700 mg/m3	15.5200 mg/m3	10.8200 mg/m3		
<b>Average of Test Results:</b>	13.437 mg/m3				
<b>Contaminant Permit Limit:</b>					
<b>Test Result Comments:</b>	<p>Values presented are to compare to permit values (12% O2, i.e., PM = 28 mg/m3). The average unadjusted average value (to compare to the annual permitted mass value) is 15.39 mg/m3.</p> <p>Assumed to be the same as particulate matter.</p>				
<b>Flow Results:</b>	102.120 m3/min	100.640 m3/min	99.810 m3/min		
<b>Average of Flow Results:</b>	100.857 m3/min				
<b>Permitted Flow Limit:</b>	121.00 m3/min				
<b>Flow Result Comments:</b>	Flow rate is an unadjusted value.				
Nitrogen Oxides					
<b>Test Dates:</b>	Jul 19, 2023	Jul 19, 2023	Jul 19, 2023		
<b>Test Results:</b>	64.3300 mg/m3	66.0800 mg/m3	66.6200 mg/m3		
<b>Average of Test Results:</b>	65.677 mg/m3				
<b>Contaminant Permit Limit:</b>	234.0000 mg/m3				
<b>Test Result Comments:</b>	<p>Values presented are to compare to permit values (12% O2). The average actual concentration (to compare to the annual permitted mass value) is 75.22 mg/m3.</p>				
<b>Flow Results:</b>	102.120 m3/min	100.640 m3/min	99.810 m3/min		
<b>Average of Flow Results:</b>	100.857 m3/min				
<b>Permitted Flow Limit:</b>	121.00 m3/min				
<b>Flow Result Comments:</b>	Based on actual flow rate (i.e., non-O2 corrected)				

<b>Sulphur Oxides</b>					
<b>Test Dates:</b>	Jul 19, 2023	Jul 19, 2023	Jul 19, 2023		
<b>Test Results:</b>	84.1500 mg/m3	58.4000 mg/m3	35.4900 mg/m3		
<b>Average of Test Results:</b>	59.347 mg/m3				
<b>Contaminant Permit Limit:</b>	435.0000 mg/m3				
<b>Test Result Comments:</b>	Values presented are to compare to permit values (12% O2). The average actual concentration (to compare to the annual permitted mass value) is 68.05 mg/m3.				
<b>Flow Results:</b>	102.120 m3/min	100.640 m3/min	99.810 m3/min		
<b>Average of Flow Results:</b>	100.857 m3/min				
<b>Permitted Flow Limit:</b>	121.00 m3/min				
<b>Flow Result Comments:</b>	Based on actual flow rate (i.e., non-O2 corrected)				
<b>Total Volatile Organic Compounds</b>					
<b>Test Dates:</b>	Jul 19, 2023	Jul 19, 2023	Jul 19, 2023		
<b>Test Results:</b>	0.2400 mg/m3	0.2500 mg/m3	0.2100 mg/m3		
<b>Average of Test Results:</b>	0.233 mg/m3				
<b>Contaminant Permit Limit:</b>	27.0000 mg/m3				
<b>Test Result Comments:</b>	Values presented are to compare to permit values (12% O2). The average actual concentration (to compare to the annual permitted mass value) is 0.27 mg/m3.				
<b>Flow Results:</b>	102.120 m3/min	100.640 m3/min	99.810 m3/min		
<b>Average of Flow Results:</b>	100.857 m3/min				
<b>Permitted Flow Limit:</b>	121.00 m3/min				
<b>Flow Result Comments:</b>	Based on actual flow rate (i.e., non-O2 corrected)				