

Stack - 2012 (Yearly)

Chevron Canada Ltd.
Permit: 0117 / Due Date: Jan 31 2012

01R - Crude unit furnaces					
Nitrogen Oxides					
Test Dates:	May 09 2011	May 09 2011	May 09 2011		
Test Results:	62.2 mg/m3	61.4 mg/m3	60.9 mg/m3		
Average of Test Results:	61.5 mg/m3				
Contaminant Permit Limit Value:	75 mg/m3				
Comments of Test Results:					
Flow Results:	473.3 m3/min	478.4 m3/min	520.9 m3/min		
Average of Flow Results:	490.867 m3/min				
Permitted Flow Limit:	770 m3/min				
Comments of Flow Results:					
06R - Rheniformer reactors furnaces					
Nitrogen Oxides					
Test Dates:	May 19 2011	May 19 2011	May 19 2011		
Test Results:	46.2 mg/m3	43 mg/m3	48.6 mg/m3		
Average of Test Results:	45.933 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Comments of Test Results:					
Flow Results:	454 m3/min	471 m3/min	478 m3/min		
Average of Flow Results:	467.667 m3/min				
Permitted Flow Limit:	800 m3/min				
Comments of Flow Results:					
07R - Steam Boiler					
Nitrogen Oxides					
Test Dates:	Dec 13 2011	Dec 13 2011	Dec 13 2011		
Test Results:	164.6 mg/m3	163.2 mg/m3	186.9 mg/m3		
Average of Test Results:	171.567 mg/m3				
Contaminant Permit Limit Value:	230 mg/m3				
Comments of Test Results:					
Flow Results:	462.6 m3/min	455.5 m3/min	483.2 m3/min		
Average of Flow Results:	467.1 m3/min				
Permitted Flow Limit:	560 m3/min				
Comments of Flow Results:					
11R - Steam plant boilers					
Nitrogen Oxides					
Test Dates:	Dec 14 2011	Dec 14 2011	Dec 14 2011		
Test Results:	36.7 mg/m3	37.3 mg/m3	36 mg/m3		
Average of Test Results:	36.667 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Comments of Test Results:					
Flow Results:	238.1 m3/min	231.4 m3/min	240.9 m3/min		
Average of Flow Results:	236.8 m3/min				
Permitted Flow Limit:	650 m3/min				
Comments of Flow Results:					
20R - Diesel hydrotreater (DHT) charge furnace					
Nitrogen Oxides					
Test Dates:	May 16 2011	May 16 2011	May 16 2011		
Test Results:	62.6 mg/m3	65.7 mg/m3	59.5 mg/m3		
Average of Test Results:	62.6 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Comments of Test Results:					
Flow Results:	129.8 m3/min	142.2 m3/min	141.1 m3/min		

Average of Flow Results:	137.7 m3/min				
Permitted Flow Limit:	140 m3/min				
Comments of Flow Results:					
21R - Diesel hydrotreater (DHT) fractionator furnace					
Nitrogen Oxides					
Test Dates:	May 16 2011	May 16 2011	May 16 2011		
Test Results:	65.7 mg/m3	67.2 mg/m3	67.5 mg/m3		
Average of Test Results:	66.8 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Out of Compliance Explanation of Average Test Results:	Maintenance activities planned as part of Investigation				
Plan of Action to Obtain Compliance of Average Test Results:	Maintenance activities planned as part of Investigation				
Comments of Test Results:					
Flow Results:	133.7 m3/min	143.6 m3/min	142.5 m3/min		
Average of Flow Results:	139.933 m3/min				
Permitted Flow Limit:	165 m3/min				
Comments of Flow Results:					
23R - Crude splitter furnace					
Nitrogen Oxides					
Test Dates:	May 13 2011	May 13 2011	May 13 2011		
Test Results:	43 mg/m3	42.5 mg/m3	43.3 mg/m3		
Average of Test Results:	42.933 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Comments of Test Results:					
Flow Results:	879.3 m3/min	857.9 m3/min	850.9 m3/min		
Average of Flow Results:	862.7 m3/min				
Permitted Flow Limit:	1050 m3/min				
Comments of Flow Results:					
24R - Naphtha hydrotreater (NHT) feed furnace					
Nitrogen Oxides					
Test Dates:	May 11 2011	May 11 2011	May 11 2011		
Test Results:	51.2 mg/m3	52.3 mg/m3	51.7 mg/m3		
Average of Test Results:	51.733 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Comments of Test Results:					
Flow Results:	162.9 m3/min	176.8 m3/min	164.6 m3/min		
Average of Flow Results:	168.1 m3/min				
Permitted Flow Limit:	180 m3/min				
Comments of Flow Results:					
25R - Desulphurizer reboiler					
Nitrogen Oxides					
Test Dates:	May 12 2011	May 12 2011	May 12 2011		
Test Results:	38.2 mg/m3	38.3 mg/m3	41 mg/m3		
Average of Test Results:	39.167 mg/m3				
Contaminant Permit Limit Value:	65 mg/m3				
Comments of Test Results:					
Flow Results:	122.5 m3/min	117.9 m3/min	101.4 m3/min		
Average of Flow Results:	113.933 m3/min				
Permitted Flow Limit:	180 m3/min				
Comments of Flow Results:					
29R - Gasoline hydrotreater (GHT) furnace					
Nitrogen Oxides					
Test Dates:	May 10 2011	May 10 2011	May 10 2011		
Test Results:	43.3 mg/m3	43.1 mg/m3	45.2 mg/m3		

Average of Test Results:	43.867 mg/m3					
Contaminant Permit Limit Value:	65 mg/m3					
Comments of Test Results:						
Flow Results:	122 m3/min	118 m3/min	125 m3/min			
Average of Flow Results:	121.667 m3/min					
Permitted Flow Limit:	500 m3/min					
Comments of Flow Results:						