

Stack - 2023 (Every 2 Years)

Houweling Nurseries Ltd.
Permit: 1066 / Due Date: June 30, 2023

01 - Jenbacher J624 Reciprocating Internal Combustion Engine (Unit 1)					
Ammonia					
Test Dates:	May 24, 2023	May 24, 2023	May 24, 2023		
Test Results:	0.0140 mg/m3	0.0140 mg/m3	0.0150 mg/m3		
Average of Test Results:	0.014 mg/m3				
Contaminant Permit Limit:	3.5000 mg/m3				
Test Result Comments:					
Flow Results:	120.000 m3/min	120.000 m3/min	121.000 m3/min		
Average of Flow Results:	120.333 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					
Carbon Monoxide					
Test Dates:	May 24, 2023	May 24, 2023	May 24, 2023		
Test Results:	4.7000 mg/m3	2.8000 mg/m3	2.9000 mg/m3		
Average of Test Results:	3.467 mg/m3				
Contaminant Permit Limit:	50.0000 mg/m3				
Test Result Comments:					
Flow Results:	120.000 m3/min	120.000 m3/min	121.000 m3/min		
Average of Flow Results:	120.333 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					
Formaldehyde					
Test Dates:	May 24, 2023	May 24, 2023	May 24, 2023		
Test Results:	0.2940 mg/m3	0.2990 mg/m3	0.2740 mg/m3		
Average of Test Results:	0.289 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:					
Flow Results:	120.000 m3/min	120.000 m3/min	121.000 m3/min		
Average of Flow Results:	120.333 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					

Methane					
Test Dates:	May 24, 2023	May 24, 2023	May 24, 2023		
Test Results:	484.0000 mg/m3	495.0000 mg/m3	504.0000 mg/m3		
Average of Test Results:	494.333 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:					
Flow Results:	120.000 m3/min	120.000 m3/min	121.000 m3/min		
Average of Flow Results:	120.333 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					
Nitrogen Oxides					
Test Dates:	May 24, 2023	May 24, 2023	May 24, 2023		
Test Results:	0.7000 mg/m3	1.9000 mg/m3	2.0000 mg/m3		
Average of Test Results:	1.533 mg/m3				
Contaminant Permit Limit:	10.0000 mg/m3				
Test Result Comments:					
Flow Results:	120.000 m3/min	120.000 m3/min	121.000 m3/min		
Average of Flow Results:	120.333 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					
Non-Methane Organic Compounds					
Test Dates:	May 24, 2023	May 24, 2023	May 24, 2023		
Test Results:	50.7000 mg/m3	63.3000 mg/m3	69.2000 mg/m3		
Average of Test Results:	61.067 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:					
Flow Results:	120.000 m3/min	120.000 m3/min	121.000 m3/min		
Average of Flow Results:	120.333 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					

02 - Jenbacher J624 Reciprocating Internal Combustion Engine (Unit 2)

Ammonia

Test Dates:	May 25, 2023	May 25, 2023	May 25, 2023		
Test Results:	0.0240 mg/m3	0.0210 mg/m3	0.0380 mg/m3		
Average of Test Results:	0.028 mg/m3				
Contaminant Permit Limit:	3.5000 mg/m3				
Test Result Comments:					
Flow Results:	107.000 m3/min	106.000 m3/min	105.000 m3/min		
Average of Flow Results:	106 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					

Carbon Monoxide

Test Dates:	May 25, 2023	May 25, 2023	May 25, 2023		
Test Results:	3.2000 mg/m3	2.2000 mg/m3	1.9000 mg/m3		
Average of Test Results:	2.433 mg/m3				
Contaminant Permit Limit:	50.0000 mg/m3				
Test Result Comments:					
Flow Results:	107.000 m3/min	106.000 m3/min	105.000 m3/min		
Average of Flow Results:	106 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					

Formaldehyde

Test Dates:	May 25, 2023	May 25, 2023	May 25, 2023		
Test Results:	0.2950 mg/m3	0.3590 mg/m3	0.2820 mg/m3		
Average of Test Results:	0.312 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:					
Flow Results:	107.000 m3/min	106.000 m3/min	105.000 m3/min		
Average of Flow Results:	106 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					

Methane					
Test Dates:	May 25, 2023	May 25, 2023	May 25, 2023		
Test Results:	427.0000 mg/m3	420.0000 mg/m3	422.0000 mg/m3		
Average of Test Results:	423 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:					
Flow Results:	107.000 m3/min	106.000 m3/min	105.000 m3/min		
Average of Flow Results:	106 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					
Nitrogen Oxides					
Test Dates:	May 25, 2023	May 25, 2023	May 25, 2023		
Test Results:	7.6000 mg/m3	6.3000 mg/m3	6.6000 mg/m3		
Average of Test Results:	6.833 mg/m3				
Contaminant Permit Limit:	10.0000 mg/m3				
Test Result Comments:					
Flow Results:	107.000 m3/min	106.000 m3/min	105.000 m3/min		
Average of Flow Results:	106 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					
Non-Methane Organic Compounds					
Test Dates:	May 25, 2023	May 25, 2023	May 25, 2023		
Test Results:	85.5000 mg/m3	90.6000 mg/m3	41.5000 mg/m3		
Average of Test Results:	72.533 mg/m3				
Contaminant Permit Limit:					
Test Result Comments:					
Flow Results:	107.000 m3/min	106.000 m3/min	105.000 m3/min		
Average of Flow Results:	106 m3/min				
Permitted Flow Limit:	400.00 m3/min				
Flow Result Comments:					