

9 May 2017

Data for Emission Point – Thermal Oil Heater  
Date Tested 16 February and 23 March 2017  
Date received 26 April 2017

Parameter	Unit of Measure	Average Result	Average Result (retest)	EPL Limit Concentration
		16 February 2017	23 March 2017	
Normal Stack Gas Flow Rate	m <sup>3</sup> /min	64	73	
Temperature	°C	290	290	
Velocity	m/s	8.6	8.9	
Moisture	%	9.4	9.4	
Dry gas density	kg/m <sup>3</sup>	1.32	1.32	
Molecular weight of stack gases	g/g.mole	29.6	29.6	
Stack pressure	kPa	101.3	101.8	
Odour	ou	3642		
Oxygen	%	7.9	8.1	
Hydrogen Sulphide @ Stack O <sub>2</sub>	mg/m <sup>3</sup>	21.4*	<0.4	
Hydrogen Sulphide @ 3%O <sub>2</sub>	mg/m <sup>3</sup>	29.5*	<0.5	5
Nitrogen Oxides @ stack O <sub>2</sub>	mg/m <sup>3</sup>	214		
Nitrogen Oxides @ 3% O <sub>2</sub>	mg/m <sup>3</sup>	296		350
Sulphuric Acid Mist /Sulphur Trioxide (expressed as SO <sub>3</sub> ) @stackO <sub>2</sub>	mg/m <sup>3</sup>	22.2		
Sulphuric Acid Mist /Sulphur Trioxide (expressed as SO <sub>3</sub> ) @11% O <sub>2</sub>	mg/m <sup>3</sup>	16.5		100
Total Solid Particulates (TSP) @ stack	mg/m <sup>3</sup>	34.8		
Total Solid Particulates (TSP)@ 3% O <sub>2</sub>	mg/m <sup>3</sup>	46.5		50
Volatile Organic Compounds (expressed as n-propane) @ stack O <sub>2</sub>	mg/m <sup>3</sup>	<4.23		
Volatile Organic Compound (expressed as n-propane) @ 3% O <sub>2</sub>	mg/m <sup>3</sup>	<5.84		40

- Note this result was retested and found to be compliant.

Key:

% = percent

oC = degrees Celsius

< = less than

g/g.mole = grams per gram mole

kg/m<sup>3</sup> = kilograms per cubic metre

mg/m<sup>3</sup> = milligrams

per cubic metre @ 0°C

and 1 atmosphere

m/s = metres per second

m<sup>3</sup>/min =cubic metres per minute @

0oC and 1 atmosphere

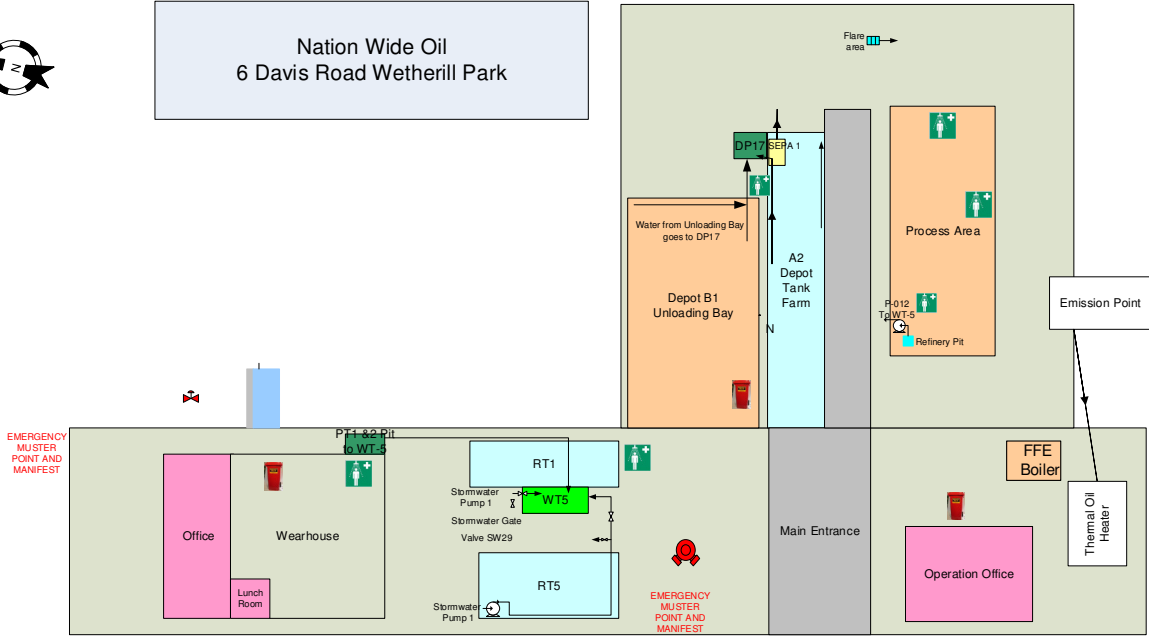
ou = odour units

O<sub>2</sub> = Oxygen

NS =Not Sampled



Nation Wide Oil  
6 Davis Road Wetherill Park



EMERGENCY  
MUSTER  
POINT AND  
MANIFEST

EMERGENCY  
MUSTER  
POINT AND  
MANIFEST

- |               |  |                          |  |
|---------------|--|--------------------------|--|
| SAFETY SHOWER |  | FIRE HYDRANT             |  |
| SPILL KIT     |  | ELECTRICAL SWITCH BOARDS |  |
| FIRST AID KIT |  | FIRE EXTINGUISHER        |  |