

**Belrose**

**Licence Number:** 5180

**Licence Holder:** EDL LFG (NSW) PTY LTD

**Licensee Address:** Belrose LFG Power Station, Crozier Rd, Belrose NSW 2085

**Testing Year:** 2015/16

**Testing Required:** Discharge and Monitoring: Point 2 - Stack sampling; Point 6 - LFG Supply Line; Point 8 - Flare

**Testing Frequency:** Each Engine Exhaust (Points 1-5), Supply Line (Point 6) and Flares (Points 7-8) are to be sampled once every 5 years.

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence limit	No. Samples Required	No. Samples	Value
Monitoring Point 2, Gas engine exhaust stack	1/03/2016	13/04/2016	28/04/2016	Carbon dioxide	%		1	1	10.9
	1/03/2016	13/04/2016	28/04/2016	Carbon monoxide	mg/Nm3		1	1	1030
	1/03/2016	13/04/2016	28/04/2016	Dry gas density	kg/Nm3		1	1	1.34
	1/03/2016	13/04/2016	28/04/2016	Moisture Content	%		1	1	4.8
	1/03/2016	13/04/2016	28/04/2016	Molecular weight of stack gases	g/g-mole		1	1	30.06
	1/03/2016	13/04/2016	28/04/2016	Nitrogen Oxides	mg/Nm3	<450	1	1	337
	1/03/2016	13/04/2016	28/04/2016	Oxygen (O2)	%		1	1	8
	1/03/2016	13/04/2016	28/04/2016	Sulfuric acid mist and sulfur trioxide (as SO3)	mg/Nm3	<100	1	1	<0.01
	1/03/2016	13/04/2016	28/04/2016	Sulphur dioxide	mg/Nm3		1	1	<2.9
	1/03/2016	13/04/2016	28/04/2016	Temperature	Degrees Celsius		1	1	509
	1/03/2016	13/04/2016	28/04/2016	Velocity	m/s		1	1	46.3
	1/03/2016	13/04/2016	28/04/2016	Volumetric flowrate	m3/s		1	1	3.5
Monitoring Point 6, Gas supply monitoring. Landfill gas supply line	1/03/2016	13/04/2016	28/04/2016	Carbon dioxide	%		1	1	25.4
	1/03/2016	13/04/2016	28/04/2016	Dry gas density	kg/m3		1	1	1.44
	1/03/2016	13/04/2016	28/04/2016	Moisture content	%		1	1	15.5
	1/03/2016	13/04/2016	28/04/2016	Molecular weight of stack gases	g/g-mole		1	1	18
	1/03/2016	13/04/2016	28/04/2016	Oxygen (O2)	%		1	1	5.7
	1/03/2016	13/04/2016	28/04/2016	Temperature	Degrees Celsius		1	1	55
	1/03/2016	13/04/2016	28/04/2016	Velocity	m/s		1	1	2.4
	1/03/2016	13/04/2016	28/04/2016	Volatile organic compounds (as n-propane)	mg/m3		1	1	42
	1/03/2016	13/04/2016	28/04/2016	Volumetric flowrate	m3/s		1	1	0.17
Monitoring Point 8, Landfill Gas Flare Unit 02	1/03/2016	13/04/2016	28/04/2016	Temperature	Degrees Celsius	>760	1	1	887
	1/03/2016	13/04/2016	28/04/2016	Volumetric flowrate	m3/s	>0.6	1	1	13.9

Note: The Engines for Monitoring Points 1, 3, 4 and 5 are not installed on site - no monitoring is applicable

Change Log

Date Change

24/07/2020 Corrected spelling of sulfur trioxide from 'sulfur trioxide'

24/07/2020 Removed methane content from data sheet - not required

24/07/2020 Updated Location description for Monitoring Point 8 from Monitoring Point 7 and the associated testing required for 2016 as the flare at Point 7 was not in operation in 2016 when the test was conducted

24/07/2020 Updated Monitoring Point 8 with additional information to clarify its location

24/07/2020 Inserted Testing Frequency into data sheet

24/07/2020 Included note regarding apparent missing data

24/07/2020 Replaced 'Min', 'Mean' and 'Max' column titles with 'Value' as per licence