

Jacks Gully Power Station

Licence Number: 10021

Licence Holder: EDL LFG (NSW) PTY LTD

Licensee Address: Jacks Gully Waste Managemetn Centre, Richardson Road, Mount Annan NSW 2567

Testing year: 2013

Testing Required Discharge and Monitoring Point: Unit 1, LFG Line, Flare.

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	No. Samples Required by Licence	No. Samples you collected and Analysed	Min. Value	Mean Value	Max. Value
Monitoring Point 1, Unit 1 - Gas engine exhaust stack labelled 'gas engine' on drawing number 874-BA-001 Rev 5	7/05/2013	3/07/2013	16/07/2013	Temperature	Degrees Celsius	1	1	825		
	7/05/2013	3/07/2013	16/07/2013	Nitrogen Oxides	Milligrams per cubic metre	1	1	430		
	7/05/13	3/07/13	16/07/13	Volatile organic compounds (as n-propane)	Milligrams per cubic metre	1	1	0.071		
	7/05/13	3/07/13	16/07/13	Sulphur dioxide	Milligrams per cubic metre	1	1	< 6.1	< 6.1	< 6.1
	7/05/13	3/07/13	16/07/13	Oxygen (O2)	Percent	1	1	7.3	7.8	7.9
	7/05/13	3/07/13	16/07/13	Moisture content	Percent	1	1	9.1		
	7/05/13	3/07/13	16/07/13	Carbon monoxide	Milligrams per cubic metre	1	1	790	830	880
	7/05/13	3/07/13	16/07/13	Carbon dioxide	Percent	1	1	10.9	11	11.3
	7/05/13	3/07/13	16/07/13	Velocity	Metres per second	1	1	47		
	7/05/13	3/07/13	16/07/13	Volumetric flowrate	Cubic metres per second	1	1	4.6		
	7/05/13	3/07/13	16/07/13	Dry gas density	Kilograms per cubic metre	1	1	1.35		
	7/05/13	3/07/13	16/07/13	Molecular weight of stack gases	Grams per gram mole	1	1	30.2 (dry) 29.1 (wet)		
	7/05/13	3/07/13	16/07/13	Sulfuric acid mist and sulfur trioxide (as SO3 equivalent)	Milligrams per cubic metre	1	1	5.4		

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	No. Samples Required by Licence	No. Samples you collected and Analysed	Min. Value	Mean Value	Max. Value
Monitoring Point 2, LFG Line - Landfill gas supply line labelled 'gas supply line' on drawing number 874-BA-001 Rev 5	7/05/13	3/07/13	16/07/13	Molecular weight of stack gases	Grams per gram mole	1	1	33.6 (dry) 33.5 (wet)		
	7/05/13	3/07/13	16/07/13	Dry gas density	Kilograms per cubic metre	1	1	1.5		
	7/05/13	3/07/13	16/07/13	Volumetric flowrate	Cubic metres per second	1	1	0.3		
	7/05/13	3/07/13	16/07/13	Velocity	Metres per second	1	1	Refer to volumetric flow rate		
	7/05/13	3/07/13	16/07/13	Carbon dioxide	Percent	1	1	33.6	34.2	34.5
	7/05/13	3/07/13	16/07/13	Moisture content	Percent	1	1	1		
	7/05/13	3/07/13	16/07/13	Oxygen (O2)	Percent	1	1	1	1.1	1.2
	7/05/13	3/07/13	16/07/13	Volatile organic compounds (as n-propane)	Milligrams per cubic metre	1	1	60		
	7/05/13	3/07/13	16/07/13	Temperature	Degrees Celsius	1	1	20		
Monitoring Point 3, Flare - Landfill gas flare labelled 'flare' on	7/05/13	3/07/13	16/07/13	Temperature	Degrees Celsius	1	1	549.9		
	7/05/13	3/07/13	16/07/13	Volumetric flowrate	Cubic metres per second	1	1	2.9		