

Annual Return

EDL LFG (NSW) PTY LTD



Environment,
Climate Change
& Water

A Statement of Compliance – Licence Details

ALL licence holders must check that the licence details in Section A are correct.

If there are changes to any of these details **you must advise the EPA and apply as soon as possible for a variation to your licence or for a licence transfer.**

Licence variation and transfer application forms are available on the EPA website at: <http://www.environment.nsw.gov.au/licensing>, or from regional offices of the EPA, or from the Operations Service Centre on telephone 133 372.

If you are applying to vary or transfer your licence you must still complete this Annual Return.

A1 Licence Holder

Licence Number 10042
 Licence Holder EDL LFG (NSW) PTY LTD
 Trading Name *(if applicable)*
 ABN 37 070 941 794

A2 Type of Licence

Sched Dev Work/Prem Based Sched Activity

A3 Premises to which Licence Applies

common name *(if any)* EASTERN CREEK WASTE MANAGEMENT CENTRE
 premises WALLGROVE ROAD , EASTERN CREEK, NSW

A4 Activities to which Licence Applies

Scheduled Activity
 Electricity generation

A5 Other Activities

Chemical Storage Facilities
 Waste Activities

A6 Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
Generation of electrical power from gas	> 0 - 250	Gwh generated
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A7 Assessable Pollutants (Not Applicable)

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B Monitoring and Complaints Summary

B1 Number of Pollution Complaints

Number of complaints recorded by the licensee during the reporting period (as required by condition M4 of the licence). If no complaints were received enter nil.	Nil
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B2 Concentration Monitoring Summary

For each monitoring point identified in your licence, (see licence conditions M2 and R1), complete all the details for each pollutant listed in the tables provided below.

If concentration monitoring is **not** required by licence conditions M2 and R1, **no tables** will appear below.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

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Discharge & Monitoring Point 1**301169 East 6254713 North****Gas engine exhaust stack labelled "GM1" on drawing number 902-BA-002 Rev 0.**

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Temperature	degrees Celsius	1	1	-	441	-
Nitrogen Oxides	milligrams per cubic metre	1	1	380	450	510
Volatile organic compounds	milligrams per cubic metre	1	1	-	0.44	-
Sulphur dioxide	milligrams per cubic metre	1	1	-	1.6	-
Oxygen (O ₂)	percent	1	1	6.9	7.2	7.5
Moisture content	percent	1	1	-	8	-
Carbon monoxide	milligrams per cubic metre	1	1	610	630	660
Carbon dioxide	percent	1	1	12	12.3	12.6
Velocity	metres per second	1	1	-	43	-
Volumetric flowrate	cubic metres per second	1	1	-	1.5 (dry) 1.7 (wet)	-
Dry gas density	milligrams per cubic metre	1	1	-	1,360,000	-
Molecular weight of stack gases	grams per gram mole	1	1	-	30.4 (dry) 29.4 (wet)	-
Sulfuric acid mist and sulfur trioxide (as SO ₃ equivalent)	milligrams per cubic metre	1	1	-	1.2	-

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Discharge & Monitoring Point 2

301169 East 6256713 North

Gas engine exhaust stack labelled "GM2" on drawing number 902-BA-002 Rev 0.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Sulfuric acid mist and sulfur trioxide (as SO ₃ equivalent)	milligrams per cubic metre	1	1	-	15	-
Molecular weight of stack gases	grams per gram mole	1	1	-	29.2 (wet) 30.3 (dry)	-
Dry gas density	milligrams per cubic metre	1	1	-	1,350,000	-
Volumetric flowrate	cubic metres per second	1	1	-	1.3 (wet) 1.2 (dry)	-
Velocity	metres per second	1	1	-	34	-
Carbon dioxide	percent	1	1	11.7	11.8	11.9
Carbon monoxide	milligrams per cubic metre	1	1	1000	1000	1000
Moisture content	percent	1	1	-	8.4	-
Oxygen (O ₂)	percent	1	1	7	7	7.1
Sulphur dioxide	milligrams per cubic metre	1	1	-	8.8	-
Volatile organic compounds	milligrams per cubic metre	1	1	-	0.047	-
Nitrogen Oxides	milligrams per cubic metre	1	1	370	410	470
Temperature	degrees Celsius	1	1	-	440	-

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Discharge & Monitoring Point 3

301169 East 6256713 North

Gas engine exhaust stack labelled "GM3" on drawing number 902-BA-002 Rev 0.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Temperature	degrees Celsius	1	1	-	447	-
Sulphur dioxide	milligrams per cubic metre	1	1	-	4.5	-
Oxygen (O ₂)	percent	1	1	6	6.1	6.1
Volatile organic compounds	milligrams per cubic metre	1	1	-	0.084	-
Nitrogen Oxides	milligrams per cubic metre	1	1	380	410	440
Moisture content	percent	1	1	-	8.6	-
Carbon dioxide	percent	1	1	12.6	12.6	12.7
Sulfuric acid mist and sulfur trioxide (as SO ₃ equivalent)	milligrams per cubic metre	1	1	-	7.4	-
Molecular weight of stack gases	grams per gram mole	1	1	-	29.3 (wet) 30.4 (dry)	-
Dry gas density	milligrams per cubic metre	1	1	-	1,360,000	-
Volumetric flowrate	cubic metres per second	1	1	-	1.2 (wet) 1.1 (dry)	-
Velocity	metres per second	1	1	-	32	-
Carbon monoxide	milligrams per cubic metre	1	1	510	520	520

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Discharge & Monitoring Point 4

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Gas engine exhaust stack labelled "GM4" on drawing number 902-BA-002 Rev 0

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Sulfuric acid mist and sulfur trioxide (as SO ₃ equivalent)	milligrams per cubic metre	1	1	-	7.9	-
Molecular weight of stack gases	grams per gram mole	1	1	-	29.4 (wet) 30.4 (dry)	-
Dry gas density	milligrams per cubic metre	1	1	-	1,350,000	-
Volumetric flowrate	cubic metres per second	1	1	-	1.3 (wet) 1.2 (dry)	-
Velocity	metres per second	1	1	-	33	-
Carbon dioxide	percent	1	1	12.4	12.4	12.5
Carbon monoxide	milligrams per cubic metre	1	1	730	750	760
Moisture content	percent	1	1	-	8.1	-
Oxygen (O ₂)	percent	1	1	6.4	6.4	6.5
Sulphur dioxide	milligrams per cubic metre	1	1	-	4.7	-
Volatile organic compounds	milligrams per cubic metre	1	1	-	0.067	-
Nitrogen Oxides	milligrams per cubic metre	1	1	380	410	430
Temperature	degrees Celsius	1	1	-	433	-

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Monitoring Point 5

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Landfill gas supply line labelled "supply gas" on drawing number 902-BA-001 Rev 2.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Temperature	degrees Celsius	1	1	-	22	-
Volatile organic compounds	milligrams per cubic metre	1	1	-	110	-
Oxygen (O ₂)	percent	1	1	2.6	2.6	2.7
Moisture content	percent	1	1	-	1	-
Carbon dioxide	percent	1	1	32.6	32.7	32.7
Velocity	metres per second	1	1	-	13.4	-
Volumetric flowrate	cubic metres per second	1	1	-	1.0	-
Dry gas density	milligrams per cubic metre	1	1	-	1.25	-
Molecular weight of stack gases	grams per gram mole	1	1	-	27.9 (wet) 28.0 (dry)	-

Discharge & Monitoring Point 6

301169 East 6256713 North

Landfill gas flare labelled "flare" on drawing number 902-BA-002 Rev 0.

Pollutant	Unit of measure	No. of samples required by licence	No. of samples you collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Volumetric flowrate	cubic metres per second	1	0		1.1	
Temperature	degrees Celsius	1	0		745	

B3 Volume or Mass Monitoring Summary

For each monitoring point identified in your licence, (see licence conditions M6 and R1), complete the details of the volume or mass monitoring indicated in the tables provided below.

If volume or mass monitoring is not required by licence conditions M6 and R1, **no tables** will appear below.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).