

Lucas Heights 2
 Licence Number: 6345
 Licence Holder: EDL LFG (NSW) PTY LTD
 Licensee Address: Lucas Heights 2
 Testing Year 2023
 Testing Required EPA Points 3 and 21
 Testing Frequency



Engines (1-20) and the Flare are required to be tested once every 5 years. The Gas Supply Line is required to be tested whenever engines are also tested.

| Location of Monitoring Point | Sampled | Obtained | Published | Pollutant | Units of Measure | No. Samples Required by Licence | No. Samples collected and Analysed | Value | Licence Limit | Exceedance (Yes/No) |
|--|----------|----------|---------------------|---|-------------------|---------------------------------|------------------------------------|-------|---------------|---------------------|
| Discharge and Monitoring Point 3, Discharge to air, Gas engine exhaust stack labelled 'G103' on drawing number 840-BA-048, Rev A | 27/02/23 | 24/05/23 | 5/06/23 | Carbon dioxide | % | 1 | 1 | 12.8 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Carbon monoxide | mg/m ³ | 1 | 1 | 1400 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Dry gas density | kg/m ³ | 1 | 1 | 1.36 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Moisture content | % | 1 | 1 | 12 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Molecular weight of stack gases | g/g mol | 1 | 1 | 30.5 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Nitrogen Oxides (as NO ₂) (Corrected @7%) | mg/m ³ | 1 | 1 | 420 | 450 | No |
| | 27/02/23 | 24/05/23 | 5/06/23 | Oxygen | % | 1 | 1 | 7.6 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Sulfuric acid mist and sulphur trioxide (as SO ₃) (Corrected @7%) | mg/m ³ | 1 | 1 | 2.5 | 100 | No |
| | 27/02/23 | 24/05/23 | 5/06/23 | Sulphur dioxide | mg/m ³ | 1 | 1 | <30 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Temperature | °C | 1 | 1 | 520 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Velocity | m/s | 1 | 1 | 37 | | |
| 27/02/23 | 24/05/23 | 5/06/23 | Volumetric flowrate | m ³ /s | 1 | 1 | 0.94 | | | |
| Discharge and Monitoring Point 21, Gas Supply Monitoring, LFG Supply Line to gas engines labelled 'LFG SUPPLY LINE' on drawing 840-BA-048, Rev A | 27/02/23 | 24/05/23 | 5/06/23 | Carbon dioxide | % | 1 | 1 | 39 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Dry gas density | mg/m ³ | 1 | 1 | 1.26 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Moisture content | % | 1 | 1 | 1 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Molecular weight of stack gases | g/g mol | 1 | 1 | 28.3 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Oxygen | % | 1 | 1 | 0.7 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Temperature | °C | 1 | 1 | 62 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Velocity | m/s | 1 | 1 | 42 | | |
| | 27/02/23 | 24/05/23 | 5/06/23 | Volatile organic compounds | mg/m ³ | 1 | 1 | 470 | | |
| 27/02/23 | 24/05/23 | 5/06/23 | Volumetric flowrate | m ³ /s | 1 | 1 | 2.6 | | | |