



# Environment Protection Licence

Licence - 4627

| Licence Details   |             |
|-------------------|-------------|
| Number:           | 4627        |
| Anniversary Date: | 01-December |

| Licensee               |
|------------------------|
| TRANSPORT FOR NSW      |
| WALLGROVE ROAD         |
| EASTERN CREEK NSW 2766 |

| Premises                 |
|--------------------------|
| M8 ST PETERS INTERCHANGE |
| 10-16 ALBERT STREET      |
| ST PETERS NSW 2044       |

| Scheduled Activity |
|--------------------|
| Road construction  |

| Fee Based Activity           | Scale           |
|------------------------------|-----------------|
| Road construction (<50,000T) | 0-10 Kilometres |

| Contact Us  |
|---|
| NSW EPA   |
| 4 Parramatta Square   |
| 12 Darcy Street   |
| PARRAMATTA NSW 2150   |
| Phone: 131 555  |
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## Information about this licence

### Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

### Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

### Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

### Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

### Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

### Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).



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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

### Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

### Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

### This licence is issued to:

|                        |
|------------------------|
| TRANSPORT FOR NSW      |
| WALLGROVE ROAD         |
| EASTERN CREEK NSW 2766 |

subject to the conditions which follow.



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## 1 Administrative Conditions

### A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

| Scheduled Activity | Fee Based Activity           | Scale             |
|--------------------|------------------------------|-------------------|
| Road construction  | Road construction (<50,000T) | 0 - 10 Kilometres |

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

| Premises Details  |
|---|
| M8 ST PETERS INTERCHANGE  |
| 10-16 ALBERT STREET   |
| ST PETERS   |
| NSW 2044  |
| PART LOT 1 DP 88087, PART LOT 3 DP 234704, LOT 4 DP 234704, PART LOT 5 DP 234704, PART LOT 2 DP 316359, LOT A DP 335583, PART LOT B DP 376645, PART LOT A DP 391775, LOT B DP 394647, PART LOT X DP 421363, LOT 13 DP 606737, PART LOT 14 DP 606737, LOT 101 DP 845651, PART LOT 102 DP 871150, PART LOT 1 DP 1168612, PART LOT 2 DP 1168612, PART LOT 2 DP 1227450 |
| LOT SP DP 35749.  |
| EXCLUDING PART LOT 1 DP 88087, PART LOT B DP 376645, PART LOT 2 DP 1168612, PART LOT 1 DP 1168612, PART LOT 3 DP 234704 AND AREA SHOWN ON MAP RECEIVED BY THE EPA ON 27 JULY 2020 TITLED "FORMER LANDFILL ARE LICENSED TO EPL 21149", MARKED AS "WCX3A CONSTRUCTION SITE". MAP REF: SF20/58221.   |

A2.2 In relation to Condition A2.1, the premise is defined by the most recent premise maps held on EPA Electronic File EF16/3654 and approved in writing by the EPA.

A2.3 Premises maps must be available for public access on the project website(s) no more than 3 business days after approval by the EPA.

### A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

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In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

- A3.2 The following documents (and any future amendments to them) are not to be taken as part of the documentation in A3.1, other than those parts specifically referenced in this licence:
- a) The licence operates subject to the Infrastructure approval under section 115ZB of the Environmental Planning & Assessment Act 1979, application no. SSI6788, dated 20 April 2016;
  - b) St Peters Interchange – Landfill Closure Management Plan (LCMP), dated 4 August 2017 and prepared by Golders Associates; and
  - c) Alexandria Landfill Closure – Landfill Environmental Management Plan (LEMP), dated 25 June 2020 and prepared by Golder.

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

- P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.
- P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

#### *Water and land*

| EPA Identification no. | Type of Monitoring Point       | Type of Discharge Point | Location Description  |
|------------------------|--------------------------------|-------------------------|---|
| 2                      | Groundwater Quality Monitoring |                         | Groundwater monitoring point labelled as "LDS-BH-3057B" on Map showing monitoring points.<br>Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 3                      | Groundwater Quality Monitoring |                         | Groundwater monitoring point labelled as "LDS-BH-3059B" on Map showing monitoring points.<br>Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |

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|----|--------------------------------|--|
| 4  | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "LDS-BH-3087" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 5  | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "LDS-BH-3088" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 6  | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "LDS-BH-3089A" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 7  | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "LDS-BH-3090" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 8  | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "LDS-BH-3091A" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 9  | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "LDS-GW-MW3" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701   |
| 10 | Groundwater Quality Monitoring | Groundwater monitoring point labelled as "MW4D" on Map showing monitoring points. Map reference:<br>"M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701         |



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|----|----------------------------------|---|
| 11 | Groundwater Quality Monitoring   | Groundwater monitoring point labelled as "WCX_BH157A" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701   |
| 12 | Groundwater Quality Monitoring   | Groundwater monitoring point labelled as "LDS-BH-3907A" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 13 | Surface Water Quality Monitoring | Surface Water monitoring point labelled as "SW1" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701        |
| 14 | Surface Water Quality Monitoring | Surface Water monitoring point labelled as "SW2" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701        |
| 15 | Surface Water Quality Monitoring | Surface Water monitoring point labelled as "SW3" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701        |
| 16 | Leachate quality monitoring      | Leachate Sump monitoring point labelled as "LP1" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-000 4", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701        |

P1.3 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

| <i>Air</i>             |                          |                         |                      |
|------------------------|--------------------------|-------------------------|----------------------|
| EPA identification no. | Type of Monitoring Point | Type of Discharge Point | Location Description |

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|    |                         |   |
|----|-------------------------|---|
| 17 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-BH-10321A" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 18 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-BH-10322" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 19 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-BH-10329" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 20 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-BH-10331" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 21 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-BH-10332" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 22 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-001" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701    |
| 23 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-002a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701   |
| 24 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-003a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701   |
| 25 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-003b" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701   |
| 26 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-004" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701    |

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|----|-------------------------|---|
| 27 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-005" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 28 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-006a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 29 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-006b" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 30 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-007a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 31 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-007b" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 32 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-008a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 33 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-008b" on Map showing monitoring points. Map reference: "M5N-GOL-DG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 34 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-009c" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 35 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-009d" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 36 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-010a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |

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|----|-------------------------|---|
| 37 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-010b" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 38 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-011a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 39 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-012c" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 40 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-012d" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 41 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-013" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 42 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-014" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 43 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-015" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 44 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-016" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 45 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-017" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 46 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-018" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |

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|----|-------------------------|---|
| 47 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-019" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 48 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-020" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 49 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-021" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 50 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-022a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 51 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-023" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 52 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-024a" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 53 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-024b" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 54 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-025" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 55 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-026" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |
| 56 | Landfill Gas Monitoring | Gas Monitoring point labelled as "LDS-GM-027" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701  |

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| 57 | Landfill Gas Monitoring                    | Gas Monitoring point labelled as "LDS-GM-028" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 58 | Landfill Gas Monitoring                    | Gas Monitoring point labelled as "LDS-GM-029" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 59 | Landfill Gas Monitoring                    | Gas Monitoring point labelled as "LDS-GM-030" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701 |
| 60 | T2 Basal Passive Gas Vent Riser Monitoring | Gas Monitoring point labelled as "GV48" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701       |
| 61 | T2 Basal Passive Gas Vent Riser Monitoring | Gas Monitoring point labelled as "GV49" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701       |
| 62 | T2 Basal Passive Gas Vent Riser Monitoring | Gas Monitoring point labelled as "GV50" on Map showing monitoring points. Map reference: "M5N-GOL-DWG-900-300-EV-0004", version sent to EPA on 01/07/2020. EPA Ref: DOC20/520701       |

## 3 Limit Conditions

### L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

### L2 Noise limits

- L2.1 All works and activities must be undertaken in a manner that will minimise noise and vibration impacts on sensitive receivers.

### L3 Hours of operation

- L3.1 The hours of operation for maintenance of the landfill infrastructure premises that has the potential to disrupt the amenity of nearby residents is:

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- a) restricted to between the hours of 7:00 am and 6:00 pm Monday to Friday;
- b) restricted to between the hours of 7:30 am and 4:00 pm Saturday; and
- c) not to be undertaken on Sundays or Public Holidays.

- L3.2 The licensee may undertake works outside of standard construction hours if:
- a) the delivery of oversized plant or structures has been determined by the police or other authorised authorities to require special arrangements to transport along public roads; or
  - b) emergency work is required to avoid the loss of lives or property, or to prevent environmental harm.

## L4 Potentially offensive odour

- L4.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

## 4 Operating Conditions

### O1 Activities must be carried out in a competent manner

- O1.1 Licensed activities must be carried out in a competent manner.
- This includes:
- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
  - b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

### O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
- a) must be maintained in a proper and efficient condition; and
  - b) must be operated in a proper and efficient manner.

### O3 Emergency response

- O3.1 The licensee must prepare, maintain and implement as necessary, a current Pollution Incident Response Management Plan (PIRMP) for the premises.

Note: NOTE: The licensee must develop their PIRMP in accordance with the requirements in Part 5.7A of the Protection of the Environment Operations Act 1997 (the POEO Act) and the Protection of the Environment Operations (Waste) Regulation 2014.



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- O3.2 The licensee must have adequate fire prevention measures in place, and ensure that facility personnel are able to access fire-fighting equipment and manage fire outbreaks at any part of the premises.
- O3.3 The licensee must extinguish fires at the premises as soon as possible.

## O4 Processes and management

- O4.1 The premises must be maintained in a condition which prevents the pollutants entering the stormwater system.
- O4.2 All erosion and sediment controls must be designed (stability, location, type and size), constructed, operated and maintained in accordance with the following guidelines:
  - a) "Environmental Guidelines Solid Waste Landfills. Second Edition" NSW EPA 2016;
  - b) "Department of Environment and Climate Change NSW, Soils and Construction – Managing Urban Stormwater, Volume 2B, Waste Landfills" DECC 2008;
  - c) "Managing Urban Stormwater – Soils and Construction, Volume 2D, Main road construction" DECC 2008; and
  - d) Volume 1 of "Managing urban stormwater: soils and construction" Landcom 2006.
- O4.3 The licensee must endeavour to maximise the reuse of captured stormwater on the premises, if appropriate.
- O4.4 The licensee must inspect the condition of the surface of the landfill cover and the operation of all sediment control structures installed on the premises as referenced in section 5.4.1.5 of the LEMP and undertake any works required to repair and/or maintain these controls:
  - a) on a quarterly basis; and
  - b) following periods of rainfall that causes runoff to occur.
- O4.5 The licensee must record all such inspections, including observations and works undertaken to repair and/or maintain soil and water management works.
- O4.6 The landfill gas management infrastructure must be maintained and operating at all times.

## O5 Waste management

- O5.1 There must be no incineration or burning of any waste at the premises.
- O5.2 Leachate must only be disposed of by pumping to sewer in accordance with the licensee's Trade Waste Agreement with Sydney Water, or removed from the premises by tanker and disposed of lawfully off-site.
- O5.3 Landfill leachate must not be irrigated at the premises.
- O5.4 Should leachate seeps be identified in the cap surface, the licensee must investigate the source of seepage, undertake repair works and any leachate will be captured and treated in the leachate management system.
- O5.5 The excavation of material on the premises can only be undertaken if those works do not intercept leachate or generate further leachate as a result of the works. To achieve this condition, the licensee



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must ensure that leachate levels are appropriately managed to ensure leachate is not encountered during any excavation on the premises.

If leachate is encountered or there is potential for further leachate generation, works in the area must cease (except works to manage and mitigate leachate) until such time that leachate levels are reduced to below the excavated area.

- O5.6 Condition O5.5 does not apply to works undertaken for the construction of sumps or other infrastructure necessary to dewater leachate and for installation of piles.

## Landfill Closure

- O5.7 The former landfill must be closed substantially in accordance with the document “Technical Report: St Peters Interchange – Landfill Closure Management Plan LCMP, Golders Associates, 11 May 2016, Document: M5N-MNP-900-300-WT-9400-DE (the LCMP) and Annexures.” This includes capping layers comprising from bottom to top a:
- 300 mm thick seal bearing layer;
  - 600mm thick clay layer with a maximum permeability of 10<sup>-9</sup> meters per second or a geosynthetic clay liner and a 200 mm thick clay layer with a maximum permeability of 10<sup>-9</sup> meters per second;
  - 400mm thick subsoil layer; and
  - 100 mm thick topsoil layer.
- O5.8 The licensee must progressively cover the landfill, with a 300 mm thick layer of cover material, within five days after the final contours have been graded.
- O5.9 A floor liner and leachate collection system must be installed below the waste mound. The system must be substantially in accordance with 3.8.3 of the LCMP and comprise leachate feeder drains, a 200mm thick bearing layer, a 500 mm thick layer of clay rich material, leachate drainage aggregate and leachate collection drains.
- O5.10 Leachate management must be substantially in accordance with section 3.8 of the LCMP. Leachate must be collected and conveyed to the leachate treatment plant and discharged to sewer.
- O5.11 Any subsequent detailed leachate management design reports must be submitted to the EPA.
- O5.12 Landfill gas management comprising passive, shallow gas collection and venting, and active gas extraction via deep wells and flaring must be installed substantially in accordance with section 3.7 of the LCMP.
- O5.13 The licensee must submit the following reports to the EPA no later than 5 October 2020:
- a Construction Quality Assurance Report in accordance with section 3.10 of the LCMP and section 11.2 NSW Environmental Guidelines Solid Waste Landfills second edition 2016; and
  - plans at a suitable scale of the installed barrier wall, leachate collection and conveyance systems, landfill gas management systems, and groundwater and gas monitoring wells including bore logs.

## 5 Monitoring and Recording Conditions

### M1 Monitoring records

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- M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.
- M1.2 All records required to be kept by this licence must be:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
  - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
  - c) produced in a legible form to any authorised officer of the EPA who asks to see them.
- M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
- a) the date(s) on which the sample was taken;
  - b) the time(s) at which the sample was collected;
  - c) the point at which the sample was taken; and
  - d) the name of the person who collected the sample.

## M2 Requirement to monitor concentration of pollutants discharged

- M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

### M2.2 Air Monitoring Requirements

**POINT 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62**

| Pollutant                | Units of measure  | Frequency           | Sampling Method  |
|--------------------------|-------------------|---------------------|------------------|
| Carbon dioxide           | percent by volume | Special Frequency 1 | Special Method 1 |
| Carbon monoxide          | parts per million | Quarterly           | Special Method 1 |
| Hydrogen Sulfide         | parts per million | Quarterly           | Special Method 1 |
| Methane                  | percent by volume | Special Frequency 1 | Special Method 1 |
| Oxygen (O <sub>2</sub> ) | parts per million | Quarterly           | Special Method 1 |

### M2.3 Water and/ or Land Monitoring Requirements

**POINT 2,3,4,5,6,7,8,9,10,11,12,16**

| Pollutant                         | Units of measure     | Frequency | Sampling Method |
|-----------------------------------|----------------------|-----------|-----------------|
| Alkalinity (as calcium carbonate) | milligrams per litre | Quarterly | Grab sample     |
| Aluminium                         | milligrams per litre | Yearly    | Grab sample     |
| Ammonia                           | milligrams per litre | Quarterly | Grab sample     |

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|                                  |                             |           |             |
|----------------------------------|-----------------------------|-----------|-------------|
| Arsenic                          | milligrams per litre        | Yearly    | Grab sample |
| Barium                           | milligrams per litre        | Yearly    | Grab sample |
| Benzene                          | milligrams per litre        | Yearly    | Grab sample |
| Bicarbonate                      | milligrams per litre        | Quarterly | Grab sample |
| Cadmium                          | milligrams per litre        | Yearly    | Grab sample |
| Calcium                          | milligrams per litre        | Quarterly | Grab sample |
| Chloride                         | milligrams per litre        | Quarterly | Grab sample |
| Chromium (hexavalent)            | milligrams per litre        | Yearly    | Grab sample |
| Chromium (total)                 | milligrams per litre        | Yearly    | Grab sample |
| Cobalt                           | milligrams per litre        | Yearly    | Grab sample |
| Copper                           | milligrams per litre        | Yearly    | Grab sample |
| Electrical conductivity          | microsiemens per centimetre | Quarterly | Probe       |
| Ethyl benzene                    | milligrams per litre        | Yearly    | Grab sample |
| Fluoride                         | milligrams per litre        | Quarterly | Grab sample |
| hydrocarbons                     | milligrams per litre        | Yearly    | Grab sample |
| Iron                             | milligrams per litre        | Yearly    | Grab sample |
| Lead                             | milligrams per litre        | Yearly    | Grab sample |
| Magnesium                        | milligrams per litre        | Quarterly | Grab sample |
| Manganese                        | milligrams per litre        | Yearly    | Grab sample |
| Mercury                          | milligrams per litre        | Yearly    | Grab sample |
| Nickel                           | milligrams per litre        | Yearly    | Grab sample |
| Nitrate                          | milligrams per litre        | Quarterly | Grab sample |
| Nitrite                          | milligrams per litre        | Quarterly | Grab sample |
| Organochlorine pesticides        | milligrams per litre        | Yearly    | Grab sample |
| Organophosphate pesticides       | milligrams per litre        | Yearly    | Grab sample |
| pH                               | pH                          | Quarterly | Probe       |
| Phenols                          | milligrams per litre        | Yearly    | Grab sample |
| Phosphorus                       | milligrams per litre        | Quarterly | Grab sample |
| Polycyclic aromatic hydrocarbons | milligrams per litre        | Yearly    | Grab sample |
| Potassium                        | milligrams per litre        | Quarterly | Grab sample |
| Redox potential                  | millivolts                  | Quarterly | Probe       |
| Sodium                           | milligrams per litre        | Quarterly | Grab sample |
| Sulfate                          | milligrams per litre        | Quarterly | Grab sample |
| Temperature                      | degrees Celsius             | Quarterly | Grab sample |
| Toluene                          | milligrams per litre        | Yearly    | Grab sample |
| Total dissolved solids           | milligrams per litre        | Quarterly | Grab sample |
| Total organic carbon             | milligrams per litre        | Quarterly | Grab sample |
| Xylene                           | milligrams per litre        | Yearly    | Grab sample |
| Zinc                             | milligrams per litre        | Yearly    | Grab sample |

## POINT 2,4,5,6,7,8,9,11,12

| Pollutant | Units of measure | Frequency | Sampling Method |
|-----------|------------------|-----------|-----------------|
|-----------|------------------|-----------|-----------------|

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|                      |                                  |           |         |
|----------------------|----------------------------------|-----------|---------|
| Standing Water Level | metres (Australian Height Datum) | Quarterly | In situ |
|----------------------|----------------------------------|-----------|---------|

**POINT 3,10,16**

| Pollutant            | Units of measure                 | Frequency  | Sampling Method                    |
|----------------------|----------------------------------|------------|------------------------------------|
| Standing Water Level | metres (Australian Height Datum) | Continuous | Level sensor and continuous logger |

**POINT 13,14,15**

| Pollutant                         | Units of measure            | Frequency           | Sampling Method |
|-----------------------------------|-----------------------------|---------------------|-----------------|
| Alkalinity (as calcium carbonate) | milligrams per litre        | Special Frequency 2 | Grab sample     |
| Bicarbonate                       | milligrams per litre        | Special Frequency 2 | Grab sample     |
| Dissolved Oxygen                  | milligrams per litre        | Special Frequency 2 | Probe           |
| Electrical conductivity           | microsiemens per centimetre | Special Frequency 2 | Probe           |
| Nitrogen (ammonia)                | milligrams per litre        | Special Frequency 2 | Grab sample     |
| pH                                | pH                          | Special Frequency 2 | Probe           |
| Potassium                         | milligrams per litre        | Special Frequency 2 | Grab sample     |
| Temperature                       | degrees Celsius             | Special Frequency 2 | Probe           |
| Total dissolved solids            | milligrams per litre        | Special Frequency 2 | Grab sample     |
| Total organic carbon              | milligrams per litre        | Special Frequency 2 | Grab sample     |
| Total suspended solids            | milligrams per litre        | Special Frequency 2 | Grab sample     |

M2.4 For the purposes of condition M2.2 and M2.3:

a) 'Special Frequency 1' means:

i) Quarterly; and

ii) If landfill gas levels are detected above the limits identified in Section 6.3 of the LEMP, in which case the frequency should increase in accordance with Section 6.4 of the LEMP.

b) 'Special Frequency 2' means:

i) Quarterly; and

ii) Following rainfall events with more than 100 mm of rain within 24 hours.

c) Special Method 1 means in accordance with the methods outlined in the LEMP.

## M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

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- M3.2 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
- a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
  - b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
  - c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

## M4 Weather monitoring

- M4.1 The licensee must monitor daily temperature, humidity, wind velocity, atmospheric pressure and rainfall at either the premises weather station, or through analysis of equivalent weather information obtained from the Australian Bureau of Meteorology.

## M5 Recording of pollution complaints

- M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.
- M5.2 The record must include details of the following:
- a) the date and time of the complaint;
  - b) the method by which the complaint was made;
  - c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
  - d) the nature of the complaint;
  - e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
  - f) if no action was taken by the licensee, the reasons why no action was taken.
- M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.
- M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.
- M5.5 Monthly Complaint Reports
- a) The licensee must submit, by 2:00 pm on the last weekday of each month, a report to the EPA that provides details of all complaints received in relation to odour or pollution through the telephone complaints line required by Condition M6.1. The licensee is not required to submit a report on a Saturday, Sunday or public holiday until 2:00 pm on the following weekday that is not a public holiday. The licensee is not required to submit a report for any monthly reporting period during which no complaints were received; and
  - b) The report must:
    - i) be submitted to the email address nominated by the EPA;
    - ii) include a unique identifier number for each complaint;
    - iii) the details required by condition M5.2;

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- iv) include the date and time, as reported by the complainant, of the event the subject of the complaint; and
- v) include an outline of the work or activity the subject of the complaint.

## M6 Telephone complaints line

- M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.
- M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.
- M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

## 6 Reporting Conditions

### R1 Annual return documents

- R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:
  - 1. a Statement of Compliance,
  - 2. a Monitoring and Complaints Summary,
  - 3. a Statement of Compliance - Licence Conditions,
  - 4. a Statement of Compliance - Load based Fee,
  - 5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
  - 6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
  - 7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

- R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.
- R1.3 Where this licence is transferred from the licensee to a new licensee:
  - a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
  - b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.
- R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
  - a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
  - b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.



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- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').
- R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.
- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
  - a) the licence holder; or
  - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

## R2 Notification of environmental harm

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

## R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
  - a) where this licence applies to premises, an event has occurred at the premises; or
  - b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
 and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.
- R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.
- R3.3 The request may require a report which includes any or all of the following information:
  - a) the cause, time and duration of the event;
  - b) the type, volume and concentration of every pollutant discharged as a result of the event;
  - c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
  - d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after



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making reasonable effort;

e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;

f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and

g) any other relevant matters.

- R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

## R4 Other reporting conditions

### R4.1 Notification of groundwater pollution

In the event that statistically significant evidence of groundwater pollution is verified as per section 5.5.2.3 of the LEMP, the licensee must notify the NSW EPA as soon as practicable and in any case within 24 hours of the monitoring results becoming available. Within 14 days of this notification, the licensee must submit a report to NSW EPA detailing the nature and source of pollution and the actions put in place to prevent recurrence.

### R4.2 Notification of surface water pollution

In the event that surface water monitoring or visual observations demonstrate surface water pollution, the licensee must notify the NSW EPA as soon as practicable and in any case within 24 hours. Within 14 days of this notification, the licensee must submit a report to NSW EPA detailing the nature and source of pollution and the actions put in place to prevent recurrence.

### R4.3 Notification of surface landfill gas methane exceedance

The licensee must notify the NSW EPA as soon as practicable and in any case within 24 hours if methane is detected at concentrations exceeding 500ppm during landfill gas surface monitoring.

### R4.4 Notification of sub-surface landfill gas methane exceedance

The licensee must notify the NSW EPA as soon as practicable and in any case within 24 hours if methane is detected above concentrations of 1.0% (v/v) during landfill gas sub-surface monitoring. Within 14 days of this notification, the licensee must submit a plan to the NSW EPA for further investigation and/or remediation of the elevated gas levels.

### R4.5 Notification of landfill gas accumulation in enclosed structures

The licensee must notify the NSW EPA as soon as practicable and in any case within 24 hours if methane is detected above concentrations above 1.0% (v/v) during gas accumulation monitoring within buildings. Within 14 days of this notification, the licensee must submit a plan to the NSW EPA for further investigation and/or remediation of the elevated gas levels.

- R4.6 The licensee must notify the NSW EPA as soon as practicable and in any case within 24 hours in the event that the licensee no longer has a trade waste agreement with Sydney Water or access to dispose of treated leachate to sewer.



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The licensee must also advise the NSW EPA of the actions it will take to dispose of leachate in compliance with the conditions of this licence. This advice must be provided to the NSW EPA in writing within 7 days of the licensee no longer having a trade waste agreement or access to dispose of treated leachate to sewer.

## R4.7 Annual Report

In addition to the provision of the annual return in condition R1, in accordance with the section 8.2 of the LEMP, the licensee must submit an Annual Report, which will include the following sections:

- a) Hydrogeological Report; and
- b) Leachate Collection Report; and
- c) Surface Water Report; and
- d) Landfill Gas Emissions Report; and
- e) Incident Report; and
- f) Complaints Report; and
- g) Proposed Site Operations for the following year.

## 7 General Conditions

### G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

### G2 Contact number for incidents and responsible employees

G2.1 The licensee must provide the EPA with up to date contact details to enable the EPA:

- a) to contact either the licensee or a representative of the licensee who can respond at all times to incidents relating to the premises; and
- b) to contact the licensee's senior employees or agents authorised at all times to:
  - i) speak on behalf of the licensee; and
  - ii) provide any information or document required under licence.

G2.2 The contact details required by Condition G2.1 above must include:

- a) the full name and title of the authorised representatives and the scope of their respective authorisations; and
- b) the direct telephone number, mobile number, pager number, fax number, email address and postal address for contacting each authorised representative.

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## 8 Pollution Studies and Reduction Programs

### U1 Assessment and Management of Hazardous Ground Gases Background

#### U1.1 Objectives

The licensee will undertake a revised hazardous ground gases risk assessment ("the assessment") for the land subject to the St Peters Interchange – Landfill Closure Management Plan (LCMP) (4 August 2017).

The objectives of the assessment are to:

- a) Assess the hazards posed by landfill gas at the premises in the form of multi-tiered risk assessments for emissions of landfill gases through sub-surface, surface or in building accumulation in accordance with the NSW Contaminated Land Guidelines: Assessment and Management of Hazardous Ground Gases (2020) and other guidelines made and approved under s105 of the Contaminated Lands Management Act 1997 that are applicable;
- b) Assess all landfill monitoring data collected both prior to and following the previous hazardous ground gases risk assessment "Construction and Permanent Works Hazardous Ground Gas Risk Assessment" undertaken by Epic in June 2020; and
- c) Revise the hazardous ground gases risk assessment prepared by Epic in June 2020 to include recent monitoring data and works.

#### U1.2 Development of the Hazardous Ground Gases Risk Assessment

By 30 September 2021 the licensee must submit a report to the EPA which details the outcomes of the revised hazardous ground gases risk assessment at the premises.

The assessment must:

1. Assess all landfill monitoring data for the land subject to the LCMP which has been collected since the hazardous ground gases risk assessment undertaken by Epic in June 2020. This includes but is not limited to monitoring data collected in accordance with: the LEMP; the "St Peters Interchange Subsurface Gas Management – Contingency Plan" prepared by Golder Associates Pty Ltd (December 2020); "St Peters Interchange Northern Share Path Monitoring" prepared by TfNSW (April 2021); and any other additional monitoring undertaken;
2. Provide an updated Conceptual Site Model (CSM) that identifies all sources, pathways and receptors of hazardous ground gases from the premises;
3. Address all potential sources, pathways and receptors for landfill gas migration. The source assessment should consider the types of wastes, the size of the landfill, the gas generating potential, monitoring results, gas volumes and flow rates;
4. Delineate the extent of migration of hazardous ground gases from the premises and provide a map containing relevant contours including, but not limited to, details such as Lower Explosive Limit (LEL) and Upper Explosive Limit (UPL) concentrations;
5. Assess the risk to human health and the environment for both onsite and offsite receptors;
6. Assess the operational performance of the hazardous ground gas controls and management practices at the premises against best practice;
7. Evaluate additional best practice controls and mitigation measures for hazardous ground gases where identified exceedances are occurring that pose a risk to human health or the environment;
8. Using the evaluation of best practice controls in (6), recommend measures to manage the identified risk including any contingencies should the risk profile change;
9. Provide a timeframe for the implementation of any required additional controls and mitigation measures; and
10. Be reviewed by an EPA accredited Site Auditor who must provide interim site auditor advice regarding the suitability and appropriateness of the assessment and any proposed mitigation or management measures.

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## U2 Use of Site Auditor

- U2.1 The licensee must engage a NSW EPA accredited Site Auditor throughout the duration of works required under the LEMP and LCMP, to review any reports on hazardous ground gases and contaminated land matters which are submitted to the EPA.
- U2.2 For any report on hazardous ground gases and contaminated land matters, the licensee must submit to the EPA an interim audit advice from the Site Auditor commenting on the appropriateness of the report/s.
- U2.3 Before the licence can be surrendered to the EPA, the licensee must submit to the EPA a Section B Site Audit Statement certifying that the nature and extent of contamination has been determined and that the requirements of the LCMP have been fulfilled to ensure that there will be no unacceptable risks to human health and environment.

## 9 Special Conditions

### E1 Definitions

#### E1.1 Special Dictionary

| Term  | Meaning   |
|---|---|
| Project Website                             | means a website that is under the control of the licensee and which is easily available for viewing by the community  |
| Leachate                                    | means<br>(1) Water which has come into contact with waste (other than inert waste); and/or the area where waste is exhumed or exhumed waste is stored; and<br>(2) Liquid removed from the leachate collection system on the premises.; and<br>(3) that has been treated in the leachate pre-treatment facility on the premises required under a Sydney Water Trade Waste Agreement. |
| Sensitive Receiver                          | Land uses that are sensitive to noise or vibration, such as residential areas, churches, schools and recreation areas.  |
| Landfill Environment Monitoring Plan (LEMP) | means "Alexandria Landfill Closure – Landfill Environmental Management Plan" dated 25 June 2020 and prepared by Golder.   |
| Landfill Closure Management Plan (LCMP)     | means "St Peters Interchange – Landfill Closure Management Plan" dated 4 August 2017 and prepared by Golder Associates.   |

### E2 Voluntary Environmental Audit

- E2.1 The licensee has agreed to engage an environmental auditor, or team of auditors, to undertake a voluntary environmental audit ("the Audit") in relation to the premises and the activities carried out at the premises. The engagement of an environmental auditor, or team of auditors will:
- Examine the systems, procedures and control measures that the licensee has in place to ensure that any activities performed at the site are undertaken in accordance with Environmental Protection Licence 4627, the LEMP and LCMP;
  - Examine the systems, procedures and control measures that the licensee has in place to ensure it can

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reliably and robustly comply with the Protection of the Environment Operations Act 1997 (the Act);  
c) Examine the accuracy and completeness of the sites monitoring data collected in accordance with EPL 4627, the LEMP, the LCMP and the Act;  
d) Identify any deficiencies in the systems and procedures referred to above at a), b) and c); and  
e) Identify measures that, so far as reasonably practicable, could be implemented or installed to ensure compliance with the EPL 4627, LEMP, the LCMP and the Act. This must include an appropriate potential implementation timeframe for each measure identified.

- E2.2 Prior to the surrender of EPL 4627, the licensee must submit to the EPA a final Audit Report, being a report prepared by the auditor or team of auditors covering all the matters described in Condition E1.1.
- E2.3 The licensee must also submit a summary of the Audit, including any conclusions or recommendations, in electronic format.
- E2.4 Proposed Implementation of Recommendations of Voluntary Environmental Audit

The licensee must submit to the EPA an Audit Implementation Proposal Report by no later than two calendar months after receipt of EPA's comments on the final Audit report.

The Audit Implementation Proposal Report must:

- a) Identify what actions the licensee proposes to take in response to the Audit Report;
- b) Propose a timeframe for these actions; and
- c) Provide an explanation for the licensee's proposals where there is any variance from the recommendations in the Audit Report.

Note: Implementation of any actions identified in the Audit Implementation Proposal Report will be required via a further and subsequent licence variation once the Audit Implementation Proposal Report has been submitted to and accepted by the EPA.



# Environment Protection Licence

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## Dictionary

### General Dictionary

|  |  |
|--|--|
| <b>3DGM [in relation to a concentration limit]</b> | Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples |
| <b>Act</b>   | Means the Protection of the Environment Operations Act 1997  |
| <b>activity</b>                                    | Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997  |
| <b>actual load</b>                                 | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>AM</b>  | Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .   |
| <b>AMG</b>   | Australian Map Grid  |
| <b>anniversary date</b>                            | The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.                            |
| <b>annual return</b>                               | Is defined in R1.1   |
| <b>Approved Methods Publication</b>                | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>assessable pollutants</b>                       | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>BOD</b>   | Means biochemical oxygen demand  |
| <b>CEM</b>   | Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .  |
| <b>COD</b>   | Means chemical oxygen demand   |
| <b>composite sample</b>                            | Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.   |
| <b>cond.</b>                                       | Means conductivity   |
| <b>environment</b>                                 | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>environment protection legislation</b>          | Has the same meaning as in the Protection of the Environment Administration Act 1991   |
| <b>EPA</b>   | Means Environment Protection Authority of New South Wales.   |
| <b>fee-based activity classification</b>           | Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.   |
| <b>general solid waste (non-putrescible)</b>       | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |

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|  |  |
|--|--|
| <b>flow weighted composite sample</b>                                | Means a sample whose composites are sized in proportion to the flow at each composites time of collection.   |
| <b>general solid waste (putrescible)</b>                             | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>grab sample</b>   | Means a single sample taken at a point at a single time  |
| <b>hazardous waste</b>   | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>licensee</b>  | Means the licence holder described at the front of this licence  |
| <b>load calculation protocol</b>                                     | Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009  |
| <b>local authority</b>   | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>material harm</b>   | Has the same meaning as in section 147 Protection of the Environment Operations Act 1997   |
| <b>MBAS</b>  | Means methylene blue active substances   |
| <b>Minister</b>  | Means the Minister administering the Protection of the Environment Operations Act 1997   |
| <b>mobile plant</b>  | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>motor vehicle</b>   | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>O&amp;G</b>   | Means oil and grease   |
| <b>percentile [in relation to a concentration limit of a sample]</b> | Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.   |
| <b>plant</b>   | Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.  |
| <b>pollution of waters [or water pollution]</b>                      | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>premises</b>  | Means the premises described in condition A2.1   |
| <b>public authority</b>  | Has the same meaning as in the Protection of the Environment Operations Act 1997   |
| <b>regional office</b>   | Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence   |
| <b>reporting period</b>  | For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act. |
| <b>restricted solid waste</b>  | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>scheduled activity</b>  | Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997  |
| <b>special waste</b>   | Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997   |
| <b>TM</b>  | Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .  |



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|                         |   |
|-------------------------|---|
| <b>TSP</b>              | Means total suspended particles   |
| <b>TSS</b>              | Means total suspended solids  |
| <b>Type 1 substance</b> | Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements                               |
| <b>Type 2 substance</b> | Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements |
| <b>utilisation area</b> | Means any area shown as a utilisation area on a map submitted with the application for this licence   |
| <b>waste</b>            | Has the same meaning as in the Protection of the Environment Operations Act 1997  |
| <b>waste type</b>       | Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste    |

Mr Bernie Weir

Environment Protection Authority

(By Delegation)

Date of this edition: 15-January-2001

# Environment Protection Licence

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## End Notes

- 1 Licence transferred through application 140516, approved on 18-Jun-2001, which came into effect on 01-Dec-2000.
- 2 Licence varied by change to Common Name field, issued on 16-Jan-2002, which came into effect on 16-Jan-2002.
- 3 Licence transferred through application 140976, approved on 25-Jan-2002, which came into effect on 23-Jan-2002.
- 4 Licence varied by correction of File Number , issued on 04-Apr-2002, which came into effect on 04-Apr-2002.
- 5 Licence varied by notice 1024148, issued on 07-Jan-2003, which came into effect on 07-Jan-2003.
- 6 Licence varied by notice 1028703, issued on 04-Jul-2003, which came into effect on 29-Jul-2003.
- 7 Licence varied by notice 1040317, issued on 02-Sep-2004, which came into effect on 27-Sep-2004.
- 8 Licence varied by notice 1041133, issued on 29-Sep-2004, which came into effect on 24-Oct-2004.
- 9 Licence varied by notice 1042998, issued on 30-Sep-2005, which came into effect on 04-Oct-2005.
- 10 Licence varied by notice 1057971, issued on 31-Mar-2006, which came into effect on 25-Apr-2006.
- 11 Licence varied by notice 1061862, issued on 02-Nov-2006, which came into effect on 02-Nov-2006.
- 12 Licence varied by notice 1067504, issued on 04-Dec-2006, which came into effect on 04-Dec-2006.
- 13 Licence varied by notice 1068196, issued on 21-Jun-2007, which came into effect on 21-Jun-2007.
- 14 Licence varied by notice 1093194, issued on 31-Oct-2008, which came into effect on 31-Oct-2008.
- 15 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 16 Licence varied by notice 1099148, issued on 30-Mar-2009, which came into effect on 30-Mar-2009.
- 17 Licence varied by Correction to EPA Region data record., issued on 25-Jun-2010, which came into effect on 25-Jun-2010.
- 18 Licence varied by correction to DECCW Region data record, issued on 07-Jul-2010, which came into effect on 07-Jul-2010.



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|    |   |                               |
|----|---|-------------------------------|
| 19 | Licence varied by notice  | 1507165 issued on 03-Aug-2012 |
| 20 | Licence transferred through application 1529361 approved on 23-Mar-2015 , which came into effect on 23-Mar-2015 |                               |
| 21 | Licence transferred through application 1535067 approved on 27-Oct-2015 , which came into effect on 14-Oct-2015 |                               |
| 22 | Licence varied by notice  | 1535597 issued on 27-Apr-2016 |
| 23 | Licence varied by notice  | 1540748 issued on 20-May-2016 |
| 24 | Licence transferred through application 1541481 approved on 17-Jun-2016 , which came into effect on 20-Jun-2016 |                               |
| 25 | Licence varied by notice  | 1545898 issued on 26-Oct-2016 |
| 26 | Licence varied by notice  | 1549125 issued on 08-Feb-2017 |
| 27 | Licence varied by notice  | 1550068 issued on 16-Mar-2017 |
| 28 | Licence varied by notice  | 1550780 issued on 31-Mar-2017 |
| 29 | Licence varied by notice  | 1551203 issued on 13-Apr-2017 |
| 30 | Licence varied by notice  | 1552047 issued on 17-May-2017 |
| 31 | Licence varied by notice  | 1552509 issued on 26-May-2017 |
| 32 | Licence varied by notice  | 1552538 issued on 26-May-2017 |
| 33 | Licence varied by notice  | 1552934 issued on 14-Jun-2017 |
| 34 | Licence varied by notice  | 1555235 issued on 25-Aug-2017 |
| 35 | Licence varied by notice  | 1560076 issued on 12-Jan-2018 |
| 36 | Licence varied by notice  | 1564521 issued on 05-Jun-2018 |
| 37 | Licence varied by notice  | 1567566 issued on 14-Aug-2018 |
| 38 | Licence varied by notice  | 1571099 issued on 06-Sep-2019 |
| 39 | Licence varied by notice  | 1597180 issued on 13-Aug-2020 |
| 40 | Licence transferred through application 1598887 approved on 14-Aug-2020 , which came into effect on 14-Aug-2020 |                               |
| 41 | Licence format updated on 06-May-2021   |                               |
| 42 | Licence varied by notice  | 1609171 issued on 28-May-2021 |