



|                                    |   |
|------------------------------------|---|
| <b>Licence Number</b>              | L8149/2003/3  |
| <b>Licence Holder</b>              | Opal Vale Pty Ltd   |
| <b>ACN</b>                         | 106 512 896   |
| <b>Registered business address</b> | Level 1 10 Kings Park Road<br>WEST PERTH WA 6005  |
| <b>Date of amendment</b>           | 11 August 2016  |
| <b>Prescribed Premises</b>         | Category 63 – Class I Landfill  |
| <b>Premises</b>                    | Salt Valley Road Inert Landfill<br>Lot 1 on Diagram 20534, Salt Valley Road<br>HODDY'S WELL WA 6566 |

## Amendment

The Department of Environment Regulation (DER) CEO delegated officer has amended the above licence in accordance with section 59 of the *Environmental Protection Act 1986* as set out in this Amendment Notice.

**Alan Kietzmann**

**MANAGER LICENSING (WASTE INDUSTRIES)**

*an officer delegated under section 20 of the Environmental Protection Act 1986 (WA)*

## Amendment Notice

This Notice is issued under section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

## Amendment Description

Licence L8149/2003/3 was granted on 29/05/2013 and amended on 26/06/2014 into the latest format for the operation of a Class 1 inert landfill site; accepting and landfilling up to 150,000 tonnes of Inert Type I waste and clean fill per annual period.

The Licence Holder applied to amend the licence on 22/05/2016 to now also allow the acceptance of Inert Waste Type 2 material (plastics only). No increase in annual throughput is requested. Under normal operations, materials received on site will have a low ratio of plastic material integrated with other inert material which is landfilled on site. Where waste materials received contain a high ratio of plastic, the waste will be landfilled in smaller cells, 30m long x 30m wide x 3m deep. Each of these cells is proposed to be separated by at least three metres of incombustible inert material and capped with one metre inert material. This is to ensure that in the event of a fire, the fire is unable to spread to any other cell. The Licence Holder states that only one tipping face will be operational at a time.

## Decision

This amendment is made pursuant to section 59(2) of the EP Act.

The Delegated Officer considers that the acceptance of plastics will not increase the risk of leachate generation. The application does recognise an increased risk of fire associated with accepting plastics as part of the waste stream (integrated with Inert Waste Type 1 or clean fill), there are no ignition sources associated with the operations, unlike putrescible landfills. Furthermore, the proposed capping and separation between cells containing high ratios of plastics will reduce possibility of spread in the unlikely event of a fire. Condition 1.3.3 is expanded to include the amendment application commitment to maintain separation distances between cells containing plastic and capping, while a specification will also include weekly covering of exposed plastics to reduce fire risk and windblown waste.

The amendment application states that litter from light plastic blown around the site will be managed by regularly covering the waste. According to the application, litter blown from the fill area will be collected on a fortnightly basis and placed in the landfill cell. However, it is noted that the existing condition of licence (condition 1.3.6) requires windblown waste to be collected on at least a weekly basis. The Delegated Officer has determined that the existing condition to collect weekly remains.

Existing fire-fighting capabilities exist on the premises according to the amendment application. The premises is secured when unmanned to avoid unauthorised access and vandalism as per existing condition 1.3.5.

The additional risk of fire and windblown waste due to acceptance of plastics is determined to be low. It is considered that these changes to the acceptance criteria are deemed to be reasonable and managed through the conditions of licence, general provisions of the Act under section 49 and the *Environmental Protection (Unauthorised Discharge) Regulations 2004*.

## Amendment History

| Instrument   | Issued     | Amendment   |
|--------------|------------|---|
| L8149/2003/3 | 26/06/2014 | Licence amended to convert to new format licence  |
| L8149/2003/3 | 11/08/2016 | Amendment Notice 1<br>Licence amendment to include acceptance of Inert Type 2 Waste (plastics only) |

## Amendments

- Condition 1.3.1 of the licence is amended by the insertion of the red text shown in underline:

- 1.3.1 *The Licensee shall only accept waste on to the Premises if:*
  - (a) *it is of a type listed in Table 1.3.1;*
  - (b) *the quantity accepted is below any quantity limit listed in Table 1.3.1; and*
  - (c) *it meets any specification listed in Table 1.3.1.*

**Table 1.3.1: Waste acceptance**

| Waste type                       | Quantity limit<br>tonnes/<br>annual<br>period | Specification  |
|----------------------------------|---|--|
| <i>Inert Waste Type 1</i>        | <i>Combined total<br/>of up to 150 000</i>    | <i>Waste containing visible<br/>asbestos or ACM shall not be<br/>accepted.</i> |
| <u><i>Inert Waste Type 2</i></u> |   | <u><i>Plastics only</i></u>  |
| <i>Clean Fill</i>                |   | <i>None specified</i>  |

- Condition 1.3.3 of the licence is amended by the insertion of the red text shown in underline:

- 1.3.3 *The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.*

**Table 1.3.2: Waste processing**

| Waste type                    | Process(es)  | Process limits  |
|-------------------------------|--|---|
| <i>Inert Waste<br/>Type 1</i> | <i>Receipt,<br/>handling,<br/>associated<br/>storage and<br/>disposal of</i> | <ul style="list-style-type: none"> <li>• <i>Disposal of waste by landfilling shall only take place within the landfill area shown on the Landfill Area Map in Schedule 1</i></li> <li>• <i>No waste shall be temporarily stored or landfilled within 35 meters from the boundary of the premises</i></li> </ul> |

| <b>Table 1.3.2: Waste processing</b> |                      |  |
|--------------------------------------|----------------------|--|
| <b>Waste type</b>                    | <b>Process(es)</b>   | <b>Process limits</b>  |
| <u>Inert Waste Type 2</u>            | waste by landfilling | <ul style="list-style-type: none"> <li>The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m.</li> <li><u>Each landfill cell containing plastics shall be separated by at least 3 metres horizontally and capped with 1 metre vertically of incombustible inert material.</u></li> <li><u>Any exposed plastic material will be covered with a minimum of 100 mm incombustible inert material on a weekly basis after compaction.</u></li> </ul> |
| Clean Fill                           |                      |  |

3. Condition 3.6.1 of the licence is amended by the insertion of the red text shown in underline:

3.6.1 The Licensee shall undertake the monitoring in Table 3.6.1 according to the specifications in that table.

| <b>Table 3.6.1: Monitoring of inputs and outputs</b> |   |                |                         |   |
|--|---|----------------|-------------------------|---|
| <b>Input/Output</b>                                  | <b>Parameter</b>                                  | <b>Units</b>   | <b>Averaging period</b> | <b>Frequency</b>                                |
| Waste Inputs   | <u>Inert Type 1, Inert Type 2, and Clean Fill</u> | m <sup>3</sup> | N/A                     | Each load arriving at the Premises              |
| Waste Outputs  | Waste type as defined in the Landfill Definitions |                |                         | Each load leaving or rejected from the Premises |