



Decision Document

Environmental Protection Act 1986, Part V

Licensee: SITA Australia Pty Ltd

Licence: L8477/2010/2

Registered office: SITA Australia Pty Ltd
Level 3, 3 Rider Boulevard
RHODES NSW 2038

ACN: 002 902 650

Premises address: SITA Australia
Lot 79 on Diagram 57260, 15 Atwell Street
LANDSDALE WA 6065

Issue date: Thursday, 15 October 2015

Commencement date: Wednesday, 21 October 2015

Expiry date: Saturday, 20 October 2035

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a licence. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by: Melissa Chamberlain
Licensing Officer

Decision Document authorised by: Rebecca Kelly
Delegated Officer



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

| Administrative details | | |
|---|---|---|
| Application type | Works Approval <input type="checkbox"/> New Licence <input checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/> | |
| Activities that cause the premises to become prescribed premises | Category number(s) | Assessed design capacity |
| | 13 | 40,000 |
| | 62 | 65,000 |
| Application verified | Date: 14/08/2015 | |
| Application fee paid | Date: 28/08/2015 | |
| Works Approval has been complied with | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | |
| Compliance Certificate received | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | |
| Commercial-in-confidence claim | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Commercial-in-confidence claim outcome | | |
| Is the proposal a Major Resource Project? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | |
| Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/> |
| Is the proposal subject to Ministerial Conditions? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Ministerial statement No: |



| | | |
|---|---|---|
| | | EPA Report No: |
| Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Environmental Protection Swan Coastal Plain Lakes Policy 1992 | | |
| Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | |

3 Executive summary of proposal and assessment

SITA Australia (SITA) is located on 15 Attwell Street Landsdale within the City of Wanneroo, in an area zoned 'General Industrial' under the City's District Planning Scheme No. 2. The premises receives a range of waste types including municipal waste, commercial and industrial (C&I) waste, and construction and demolition (C&D) waste. SITA have advised that all activities on site occur in enclosed sheds or on concrete hardstand areas. The premises is also licensed to conduct crushing and screening, however this activity currently does not occur.

The premises is located on the Swan Coastal Plain which is characterised by sandy soils. The Department of Water's Perth Groundwater Atlas indicates that depth to groundwater is approximately 11m. The Department of Environment Regulation's GIS mapping system shows that two areas designated as sumplands are located approximately 450m to the east and north east of the premises. The mapping system shows that the premises is surrounded by other industrial facilities, with cement works located immediately adjacent to the north and west and factories or warehouses located to the south and east. The nearest residential receptor is located approximately 550m to the south. The premises conforms with the Environmental Protection Authority's Separation Distances between Industrial and Sensitive Land Uses No. 3 for buffer distances from solid waste depot (200m) but does not conform with guidance on buffer distances from crushing of building material (1000m). SITA holds works approval W5498/2013/1 for the premises, which includes a requirement to notify DER when commissioning of crushing and screening activities begins, conduct noise monitoring and complete a noise assessment.

The incoming waste delivery vehicles are weighed in at the Attwell street entrance weighbridge and from there proceed up a ramp on to the raised western portion of the site. Municipal waste and the majority of C&I waste is deposited in the roofed waste transfer station building, while C&D waste and some selected C&I waste is deposited in the open C&D hardstand sorting area.

An excavator with a grab and a front end loader sorts through both the waste in the transfer station and the C&D sorting area. The sorting process removes the larger recyclable portions of the waste, which is separated and stored in bins until the bins are full of a particular type of recyclable material and then removed from site.

The remaining inert waste resides in the C&D sorting area, and is loaded into waste bins and removed off-site to an inert landfill site. The remaining Class II waste residue from both the C&D sorting area and the waste transfer station is loaded into bulk transfer trailers and removed from site to a Class II landfill site.



Inert waste and recyclable materials (non-odorous) remain on site until a bin of a particular product has been filled, after which it is removed from site. SITA also indicate that Class II residue waste material (potentially odorous) will be removed from site within 48 hours of being received on site.

The premises also receives clean recyclable paper and cardboard, which is baled, placed in 40-foot sea containers and removed from site.

Potential emissions from the premises include contaminated stormwater run-off, noise and odour. These are controlled via a range of measures including the use of silt traps, bunding, limiting operating hours, containing most operations within enclosed sheds and dust suppression sprinkler systems.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

| DECISION TABLE | | | |
|----------------------------------|---|--|--------------------------------------|
| Works Approval / Licence section | Condition number W = Works Approval L = Licence | Justification (including risk description & decision methodology where relevant) | Reference documents |
| General conditions | L1.2.3 | <p><u>Emission Description</u> <i>Emission:</i> Leachates and contaminants in stormwater that has come into contact with waste on site. <i>Impact:</i> Leachates and contaminants may enter the groundwater impacting on water quality. Surface water (sumplands) are located within 500m of the site. <i>Controls:</i> All operations occur on concrete hardstand areas. SITA have indicated that the drainage system on site directs uncontaminated stormwater away from operational areas to soakwells. The C&D sorting area is directed to a dedicated silt trap to remove the surface water silt loading prior to the water being discharged to the soakwells. The stormwater system caters for a 1 in 100 year, 24 hour stormwater event.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition 1.2.3 has been included to require that stormwater is prevented from becoming contaminated from activities on the premises, and that potentially contaminated stormwater is treated prior to being discharged. Table 1.3.2 further specifies that waste storage and sorting must occur on hardstand areas to prevent leachate runoff.</p> <p><u>Residual Risk</u></p> | Application supporting documentation |



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| | | <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate | |
| Premises operation | | <p>Condition 1.3.1 specifies the waste type and quantity that can be accepted. This condition replicates the requirements of condition 1 of the previous licence.</p> <p>Condition 1.3.2 requires that where waste does not meet the acceptance criteria specified in condition 1.3.1 it is removed from the premises.</p> <p>Condition 1.3.3 outlines the waste processing limits and is risk assessed under the stormwater section above and odour section below.</p> <p>Condition 1.3.4 outlines the security measures necessary on site and replicates the requirements of conditions 6 and 7 of the previous licence. This condition is intended to prevent unauthorised access to the premises which may lead to destruction of infrastructure or machinery, or potential dumping of materials not permitted to be accepted under the licence.</p> <p>Condition 1.3.5 requires the licensee to maintain signage at the premises to inform patrons of the types of wastes that can be accepted and where to deposit them, the operating hours of the facility and a contact number to ensure this disposal occurs in the manner assessed during the licence application. The signage is also intended to deter patrons from lighting fires at the premises, as putrescibles wastes are particularly flammable and there are industrial facilities immediately adjacent to the premises.</p> | L8477/2010/1 |
| Fugitive emissions | | <p><u>Emission Description</u></p> <p><i>Emission:</i> Dust emission from activities on the premises such as driving vehicles, unloading waste and crushing and screening operations.</p> <p><i>Impact:</i> Dust can negatively impact on the health, welfare and amenity of those on</p> | Application supporting documentation |



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| Works Approval / Licence section | Condition number W = Works Approval L= Licence | Justification (including risk description & decision methodology where relevant) | Reference documents |
| | | <p>nearby properties as well as flora and fauna. The nearest residential receptor is 550m to the south.</p> <p><i>Controls:</i> SITA indicates that dusty loads are rejected from the premises and a fine water spray is installed into the roof of the waste sorting area. Crushing does not currently take place, however in future crushing would cease when wind conditions may cause excessive dust generation. A road sweeper/pressure cleaner is used to maintain site cleanliness.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Fugitive dust emissions are sufficiently regulated under the general provisions of the <i>Environmental Protection Act 1986</i>. Conditions 4 and 5 of the previous licence are not replicated in this reissue.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> | General provisions of the <i>Environmental Protection Act 1986</i> |
| Odour | | <p><u>Emission Description</u> <i>Emission:</i> Odour from receipt and disposal of malodorous waste, or from putrescible and green waste kept on site for excessive periods. <i>Impact:</i> Odour can negatively impact on the welfare and amenity of those on nearby properties. There are industrial premises immediately adjacent to the premises and</p> | Application supporting documentation |



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|----------------------------------|--|---|---|
| Works Approval / Licence section | Condition number W = Works Approval L= Licence | Justification (including risk description & decision methodology where relevant) | Reference documents |
| | | <p>residential properties are located 600m to the south.</p> <p><i>Controls:</i> SITA indicates that waste is removed from the premises no later than 72hrs from receipt. SITA also proposes to use deodorisers sprayed onto the materials, tipping floor or storage bays and bins should excessive odour be identified. SITA does not generally accept food wastes or liquid waste which reduces the likelihood of odourous leachate generation.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Odour emissions are sufficiently regulated under the general provisions of the <i>Environmental Protection Act 1986</i>. Condition 10 of the previous licence is not replicated in this reissue. Table 1.3.2 further specifies that waste must be removed from the premises within 72 hours of receipt.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> | General provisions of the Environmental Protection Act 1986 |
| Noise | | <p><u>Emission Description</u> <i>Emission:</i> Noise from vehicles on the premises, material landing on tipping floors, general movement of waste on the premises. <i>Impact:</i> Noise can cause a nuisance for people on nearby properties. There are industrial premises immediately adjacent to the premises and residential properties are</p> | Application supporting documentation |



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| Works Approval / Licence section | Condition number W = Works Approval L= Licence | Justification (including risk description & decision methodology where relevant) | Reference documents |
| | | <p>located 550m to the south.</p> <p><i>Controls:</i> SITA proposes to drop the noisiest material types (glass and metal sheeting) onto material already on the tipping floor rather than directly onto the floor. Crushing and screening does not currently occur on site; however SITA have indicated that should crushing and screening operations begin noise abatement equipment will be installed including sound screens.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Noise emissions are sufficiently regulated under the general provisions of the <i>Environmental Protection Act 1986</i> and the <i>Environmental Protection (Noise) Regulations 1997</i></p> <p>The premises holds works approval W5498/2013/1, which includes a requirement to notify DER when commissioning of crushing and screening activities begins and to complete noise monitoring and a noise assessment.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> | <p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p><i>Environmental Protection (Noise) Regulations 1997</i></p> <p>W5498/2013/1</p> |
| Monitoring general | L2.1.1-2.1.2 | Conditions 2.1.1 and 2.1.2 are required to ensure that monitoring equipment (i.e. the weighbridge) is calibrated in accordance with the manufacturers specifications, and where these requirements cannot be met the issues are brought to the attention of the | N/A |



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| | | CEO. | |
| Monitoring of inputs and outputs | L2.2.1 | Condition 2.2.1 is included to monitor inputs and outputs to ensure compliance with condition 1.3.1 in regards to waste acceptance. | N/A |
| Improvements | L3.1 | IR1 requires the licensee to submit an asbestos management plan in accordance with DER's Guidelines for managing asbestos at construction and demolition waste recycling facilities (Department of Environment and Conservation, 18 th December 2012). | Guidelines for managing asbestos at construction and demolition waste recycling facilities, Department of Environment and Conservation, 18 th December 2012 |
| Information | L4.1.1-4.3.1 | Conditions 4.1.1 - 4.1.4 outline the records required to be kept by the licensee. Condition 4.2.1 and Table 4.2.1 outline the requirements of the annual report. This replicates the requirements of condition 13 of the previous licence. Condition 4.3.1 and Table 4.3.1 outline the notification requirements required under the licence. | N/A |
| Licence Duration | N/A | An environmental assessment has been conducted as part of this amendment and the site is classed as moderate risk. There is no expiry on the City of Wanneroo planning approval for the premises. As per DER's Licence Duration guidance statement, May 2015 the licence is issued for 20 years. | Department of Environment Regulation Licence Duration Guidance Statement, May 2015. |



5 Advertisement and consultation table

| Date | Event | Comments received/Notes | How comments were taken into consideration |
|------------|---|-------------------------|--|
| 31/08/2015 | Application advertised in West Australian | No comments received | N/A |
| 5/10/2015 | Proponent sent a copy of draft instrument | No comments received | N/A |



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

| Likelihood | Consequence | | | | |
|----------------|---------------|----------|----------|----------|---------|
| | Insignificant | Minor | Moderate | Major | Severe |
| Almost Certain | Moderate | High | High | Extreme | Extreme |
| Likely | Moderate | Moderate | High | High | Extreme |
| Possible | Low | Moderate | Moderate | High | Extreme |
| Unlikely | Low | Moderate | Moderate | Moderate | High |
| Rare | Low | Low | Moderate | Moderate | High |