



Licence Number	L7970/1997/6
Licence Holder	Shire of Coolgardie
ACN	NA
File Number:	2012/006869-1
Premises	Kambalda Landfill Facility KAMBALDA WA 6442 Being Ngalbain location 42 and Ngalbain location 301 Crown Reserve 31717
Date of Report	10/03/2020

1. Definitions and interpretation

Definitions

In this Amendment Report, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
ACN	Australian Company Number
Amendment Report	refers to this document
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 JOONDALUP DC WA 6027 info@dwer.wa.gov.au
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review
Licence Holder	Shire of Coolgardie
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Amendment Report applies, as specified at the front of this Amendment Report.
Revised Licence	the amended Licence issued under Part V, Division 3 of the EP Act, with changes that correspond to the assessment outlined in this Amendment Report.
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>

2. Amendment Description

The following guidance statements have informed the assessment and decision outlined in this Amendment Report.

- *Guidance Statement: Regulatory Principles (July 2015)*
- *Guidance Statement: Setting Conditions (October 2015)*
- *Guidance Statement: Land Use Planning (February 2017)*
- *Guidance Statement: Licence Duration (August 2016)*
- *Guidance Statement: Decision Making (February 2017)*
- *Guidance Statement: Risk Assessment (February 2017)*
- *Guidance Statement: Environmental Siting (November 2016)*

Additional documents used to inform the decision are listed in Appendix 1.

2.1. Purpose and scope of assessment

Shire of Coolgardie operates a Category 64 landfill facility within Lots 42 and 301 on Crown Reserve 31717, Kambalda, WA, 6442. An application for a licence (L7970/1997/6) amendment was received on 6 December 2019 to include Category 62. The application was based on the completion of the transfer station (refer to figure 1 below), constructed under W5644/2014/1. DWER has risk assessed the activities associated with the proposed operation of this transfer station for inclusion on the existing Licence .

Table 2 lists the documents and information provided with the amendment application and submitted as part of the assessment process.

Table 2: Licence amendments

Document/information description	Date received
Amendment application form signed by manager waste and emergency services (Shire of Coolgardie) and attached supporting documentation	6 December 2019

The following amendments to the licence have therefore been made:

- incorporated the 2019 amendment request to add category 62 to the licence;
- amended Table 1.3.1 to include reference to Category 62 waste type; and
- amended Table 1.3.1 to combine the waste acceptance quantity limit for Category 62 and Category 64 operations.

2.2. CEO Initiated amendment

In applying the above requested amendment the CEO has also:

- updated the expiry date to align with the 2016 amended expiry date;
- updated the definitions in the Licence;
- updated the style and appearance of the Licence;
- updated the Licence conditions to reflect wording in current licence template. The word “Licensee” was removed from the licence and the word “Licence Holder” was added to the licence instead;
- deleted the redundant AACR form set out in attachment 2 of the previous Licence and advise the Licence Holder to obtain the form from the Department’s website; and

- removed former condition 1.3.1 (Table 1.3.1) relating to the disposal of no more than 30,000 tonnes of asbestos contaminated soil, carried out between the periods 21 September 2015 to 21 March 2016.

3. Amendment history

Table 3 provides the amendment history for L7970/2003/7.

Table 3: Licence amendments

Instrument	Issued	Amendment
L7970/1997/4	02/01/2008	Licence re-issue
L7970/1997/5	19/11/2010	Licence re-issue
L7970/1997/6	15/11/2013	Licence re-issue
L7970/1997/6	17/09/2015	Licence amended and converted into the latest format
L7970/1997/6	29/04/2016	Notice of Amendment: to extend the expiry date of the Licence
L7970/1997/6	10/03/2020	Amendment to add category 62 to the licence Amendment was granted in the form of a revised licence, including consolidation of amendment notice issued on 29 April 2016.

4. Location and receptors

Table 4 below lists the relevant sensitive land uses currently in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 4: Receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Nearest residential premises	Approximately 2 km from the facility (known as Mac Kambalda Village)

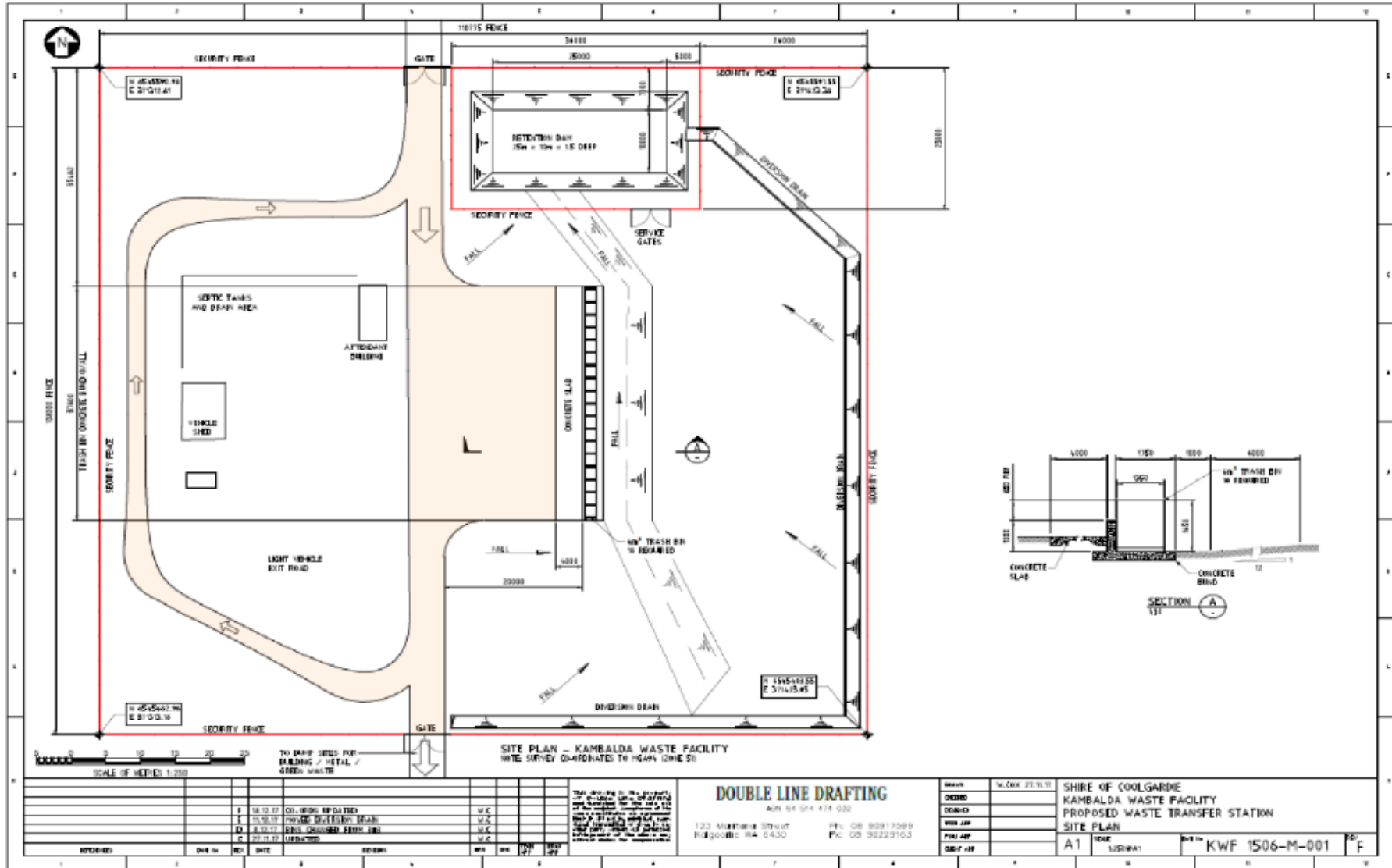


Figure 1: Transfer station layout

Table 5 below lists the relevant environmental receptors in the vicinity of the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 5: Environmental receptors and distance from activity boundary

Environmental receptors	Distance from Prescribed Premises
Surface water	There are no identified surface water features within the site, although the site is known to flood, it is considered that prior to development as a landfill the site was likely a salt pan and ephemeral water feature associated with Lake Lefroy.
Lake Lefroy	Located approximately 3 km from the facility.
Groundwater dependent ecosystem	No groundwater dependent ecosystems were identified in the vicinity of the site
Groundwater	Recent groundwater monitoring in the area showed that onsite SWL ranged from 1.77 m to 2.97 m. The assumed groundwater flow direction for the site is expected to be to the south, towards Lake Lefroy (DoW 2017) Surficial groundwater in the vicinity of site is considered to be a limited resource (very low anticipated yield) as well as being non-palatable for stock (including sheep). No beneficial uses of groundwater in the site vicinity. Groundwater licence number 62505, allocated to St Ives Gold Mining Company Pty Ltd, but there were no known abstraction bores within 1 km of the site (DWER 2018c)
Public Drinking Water Source Area	The site is not located within a public drinking water source area

5. Risk assessment

Table 6 below describes the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. This table identifies whether the emissions present a material risk to public health or the environment and outlines relevant regulatory controls.

Table 6: Risk assessment for proposed amendment during operation

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
Cat 62: Solid waste deport Waste acceptance and vehicle movement	Dust	No residences or other sensitive receptors in close proximity	Bins will be placed on hardstand areas. Vehicle movements will on hardstand concrete structures. Waste stored in enclosed bins fitted with lids.	Minimal onsite impact Specific Consequence Criteria (for environment) met Slight	The risk event will probably not occur in most circumstances Unlikely	Low	Dust emissions are not anticipated as part of the operation of the transfer station. All road surfaces where vehicle movements will take place on sealed surfaces. No receptors in close proximity. The Delegated Officer considers that the risk event will be adequately managed.	The Delegated Officer considers that the provisions of section 49 of the EP Act is sufficient to regulate dust emissions during operation.
	Odour	No residences or other sensitive receptors in close proximity	Putrescible waste will be stored in enclosed skip bins with tight fitting lids. Waste will be transferred to the landfill for burial once every week.	Low level onsite impacts, with no offsite impacts detectable and specific consequence criteria for environment likely to be met. Minor	The risk event will probably not occur in most circumstances Unlikely	Medium	The Delegated Officer considers that putrescible wastes stored in enclosed bins with lids is unlikely to result in significant odour emissions. The Delegated Officer considers that the risk event will be adequately managed.	The Delegated Officer considers that the provisions of section 49 of the EP Act is sufficient to regulate odour emissions during operation.

Risk Event				Consequence rating ¹	Likelihood rating ¹	Risk ¹	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities*	Potential emissions	Potential receptors, pathway and impact	Applicant controls					
	Noise	No residences or other sensitive receptors in close proximity	Vehicle movement will only occur during daytime and on hardstand areas. Waste transfer station will be open Monday to Saturday for 4 hours only.	Minimal onsite impact Specific Consequence Criteria (for environment) met Slight	The risk event will probably not occur in most circumstances Unlikely	Low	With a separation distance of over 2 km, the Delegated Officer considers noise emissions will not significantly impact upon the amenity of residents.	Noise emissions from premises activities are regulated the <i>Environmental Protection (Noise) Regulations 1997</i> .
	Leachate - contamination of surface water runoff	Surrounding soil and groundwater	Putrescible waste will be stored in enclosed skip bins with tight fitting lids, no contact with rainwater. Waste will be transferred to the landfill for burial once every week.	Minimal onsite impact Specific Consequence Criteria (for environment) met Slight	The risk event will probably not occur in most circumstances Unlikely	Low	The Delegated Officer considers that the storage of putrescible wastes within enclosed bins with lids is unlikely to generate significant leachate and unlikely to result in the contamination of surface water runoffs.	Condition 1.2.3 on the existing licence ensures the Licence Holder implements all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises, and treats contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises. The <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> also makes it an offence to discharge certain materials into the environment.

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the Department's Guidance Statement: Risk Assessments (February 2017)

6. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a licence amendment will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

6.1. Summary of amendments

Table 7 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 7 Licence amendments

Condition No.	Proposed amendments
NA	Updated the format and appearance of the Licence.
Front page	Updated the expiry date to align with the 2016 amended expiry date and proposed new category 62 added to the licence.
Definitions	Definitions updated to reflect department name changes and add some new definitions.
1.2.1 – 2.3.1, 3.1.2 – 3.3.1	Licence conditions updated to reflect wording in current licence template. The word "Licensee" has been removed and the word "licence holder" was added instead to the licence.
Table 1.3.1	Included reference to category 62 waste type and deleted text that allowed for the disposal of 30,000 tonnes of asbestos contaminated soil.
Schedule 2	Deleted the redundant AACR form.

6.2. Licence Holder comments

The Licence Holder was provided with a draft Licence and Amendment Report on 24 February 2020 for review and comment. Comments received from the Licence Holder have been considered by the delegated Officer as shown in Appendix 2.

A/MANAGER WASTE INDUSTRIES REGULATORY SERVICES

An officer delegated under section 20 of the Environmental Protection Act 1986

Appendix 1: Key documents

	Document title	In text ref	Availability
1.	Licence L7970/1997/6	L7970/1997/6	Accessed at www.dwer.wa.gov.au
2.	Category 64 Licence amendment application form signed by the manager waste and emergency services (Shire of Coolgardie) and attached supporting documentation.	Licence amendment application	DWER record (DWERDT232560)
3.	DER, July 2015. <i>Guidance Statement: Regulatory principles.</i> Department of Environment Regulation, Perth.	DER 2015a	Accessed at www.dwer.wa.gov.au
4.	DER, October 2015. <i>Guidance Statement: Setting conditions.</i> Department of Environment Regulation, Perth.	DER 2015b	
5.	DER, May 2016. <i>Guidance Statement: Publication of Annual Audit Compliance Reports.</i> Department of Environment Regulation, Perth.	DER 2016a	
6.	DER, August 2016. <i>Guidance Statement: Licence duration.</i> Department of Environment Regulation, Perth.	DER 2016b	
7.	DER, September 2016. <i>Guidance Statement: Environmental Standards.</i> Department of Environment Regulation, Perth.	DER 2016c	
8.	DER, November 2016. <i>Guidance Statement: Environmental Siting.</i> Department of Environment Regulation, Perth.	DER 2016d	
9.	DER, February 2017. <i>Guidance Statement: Land Use Planning.</i> Department of Environment Regulation, Perth.	DER 2017a	
10.	DER, February 2017. <i>Guidance Statement: Risk Assessments.</i> Department of Environment Regulation, Perth.	DER 2017b	
11.	DWER, June 2019. <i>Guideline: Decision Making.</i> Department of Water and Environmental Regulation, Perth.	DWER 2019a	
12.	DWER, June 2019. <i>Guideline: Industry Regulation Guide to Licensing.</i> Department of Water and Environmental Regulation, Perth.	DWER 2019b	
13.	DWER, June 2019. <i>Guideline: Odour emissions.</i> Department of Water and Environmental Regulation, Perth.	DWER 2019c	

Appendix 2: Summary of applicant's comments on risk assessment and draft conditions

Condition	Summary of Licence Holder comment	DWER response
Front cover- Design capacity table	<p>Typographical changes requested, relating to the proposed annual throughput limit for Category 62 and 64, noting that the waste acceptance table and assessed design capacity included reference to an incorrect annual tonnage.</p> <p>The Licence Holder outlined that the requested throughput tonnage for Category 62 operations (9,000 tonnes) relates an expected increase in waste inputs to the transfer station, following the expected addition of new gold and lithium mines commencing operations in the next 12 months to 2 years. As a result the Licence Holder confirmed the request for Category 62 and Category 64 operations to have combined design capacity of 9,000 tonnes per annum to allow the flexibility to accept, store or dispose these wastes throughout the year.</p>	Typographical changes acknowledged and relevant tables updated.