



Licence number	L7970/1997/6	
Licence Holder	Shire of Coolgardie	
Registered business address	Shire of Coolgardie Irish Mulga Drive Kambalda WA 6442	
DWER file number	2012/006869-1	
Duration	22/11/2013 to	21/11/2027
Date of issue	21/11/2013	
Date of amendment	30/04/2024	
Premises details	Kambalda Landfill Facility KAMBALDA WA 6442 Legal description - Being Ngalbain location 42 and Ngalbain location 301 Crown Reserve 31717 As depicted in Schedule 1 and as defined by the coordinates in Schedule 2	

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 12: Screening, etc, of material: premises (other than Premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	50,000 tonnes or more per year
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	Not more than 9,000 tonnes per annual period
Category 64: Class II putrescible landfill site: premises on which waste (as determined by reference to the waste types set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996 published by the CEO and as amended from time to time) is accepted for burial.	

This licence is granted to the Licence Holder, subject to the attached conditions, on 30 April 2024, by:

GRACE HEYDON

A/Manager Waste Industries – Regulatory Services

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

Licence history

Date	Reference number	Summary of changes
22/11/2007	L7970/1997/3	Licence re-issue – short term licence.
2/01/2008	L7970/1997/4	Licence re-issue.
19/11/2010	L7970/1997/5	Licence re-issue.
15/11/2013	L7970/1997/6	Licence re-issue
17/09/2015	L7970/1997/6	Licence amended and converted into the latest DER format and to remove condition 1 (C) (i) and to increase the production design capacity information.
29/04/2016	L7970/1997/6	Notice of Amendment: to extend the expiry date of the Licence
10/03/2020	L7970/1997/6	Licence amended to add Category 62 to the Licence
30/04/2024	L7970/1997/6	Licence amended to conduct a pilot trial and the screening, separation and treatment of contaminated cupels, crucibles and slag waste material from the general waste and soil.

Interpretation

In this licence:

- (a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The Licence Holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The Licence Holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Category 64		
Cells	Must meet the acceptance criteria for Class II landfills.	As depicted in Schedule 1, Figure 2
Fencing and security	Suitable fencing must be erected and maintained to prevent unauthorised access to the premises; Any entrance gates to the premises must be securely locked when the premises is unattended; and Weekly inspections of all security measures must be undertaken and any damage must be repaired within 10 working days of its discovery	Site perimeter
Signage	Signage must be erected and maintained at the entrance to the premises which clearly displays the following information: <ol style="list-style-type: none"> hours of operation; contact telephone number; a warning indicating penalties for people lighting fires; and list of materials accepted for recycling and the location of where they can be deposited on the premises. 	Entrance to the premises
Used battery storage area	Comprised of a hardstand area Of sufficient size to accommodate self-bunded pallets; and Hardstand is maintained to ensure that any cracks or damage are rectified (sealed) to prevent emissions (leaks and spills) to land and/or water.	As depicted in Schedule 1, Figure 2
Paint storage area	Comprised of a hardstand area Of sufficient size to accommodate self-bunded pallet for storage of paint containers; and Hardstand is maintained to ensure that any cracks or damage are rectified (sealed) to prevent emissions (leaks and spills) to land and/or water. Stored in the open or in special containers	
Waste oil storage area	Comprised of a hardstand area Of sufficient size to accommodate self-bunded pallets or containers; and Hardstand is maintained to ensure that any cracks or	

Site infrastructure and equipment	Operational requirement	Infrastructure location
	damage are rectified (sealed) to prevent emissions (leaks and spills) to land and/or water.	
Stormwater diversion bunds, perimeter surface water swales and stormwater retention basin.	25m x 10m x 15m deep	
Category 62		
General Solid and putrescible Waste Drop-off area	18 x 4 m ³ drop off bins area a) Comprised of concrete hardstand and concrete push walls; and b) Hardstand is maintained to ensure that any cracks or damage are rectified (sealed) to prevent emissions (leaks and spills) to land and/or water.	As depicted in Schedule 1, Figure 2

Premises operation

2. The Licence Holder must only accept waste on to the Premises if:
- (a) it is of a type listed in Table 2;
 - (b) the quantity accepted is below any quantity limit listed in Table 2;
 - (c) it meets any specification listed in Table 2; and
 - (d) in the case of contaminated solid waste is supported by documentation that demonstrates compliance with the acceptance criteria for Class II landfills.

Table 2: Waste acceptance

Waste	Quantity limit tonnes/ year	Specification ¹
Clean fill	Combined total of 9,000 tonnes per annual period for Category 64 and Category 62 activities.	None specified
Inert Waste Type 1		None specified
Inert Waste Type 2		None specified
Special Waste Type 2 (biomedical waste)		None specified
Waste oil		None specified
Vehicle batteries		None specified
Scrap metal		None specified
Other recyclables		None specified
Drum muster products		Must be triple rinsed prior to being accepted at the site
Putrescible waste (including green waste)		Must meet acceptance criteria for Class II landfills
Used tyres	Less than 100 car tyre equivalents at any one time	None specified

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

3. The Licence Holder must ensure that where waste does not meet the waste acceptance criteria set out in condition 4 it is removed from the premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.
4. The Licence Holder must ensure that wastes accepted onto the premises are only subjected to the process(es) set out in Table 3 and in accordance with any process limits described in that table.

Table 3: Waste processing

Waste type	Process	Process limits
All	Receipt, handling and associated storage prior to the disposal of waste by landfilling.	<ul style="list-style-type: none"> No waste shall be temporarily stored or landfilled within 10 metres from the boundary of the premises. The tipping area shall not exceed a maximum linear length of 75 metres. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 3 metres. A minimum distance of at least 100 metres between the waste disposal site and any superficial water body shall be maintained.
Clean fill	Receipt, handling and associated storage prior to the disposal of waste by landfilling.	None specified
Inert Waste Type 1		None specified
Inert Waste Type 2		None specified
Putrescible waste (including greenwaste)	Receipt, handling and associated storage prior to the disposal of waste by landfilling or removal from the premises.	Temporary storage within skip bins for offsite removal or disposal or waste within a defined trench or within an area enclosed by earthen or other bunds
	Disposal by Burning	Burning of Green Waste Only <ul style="list-style-type: none"> to be dried and seasoned for at least 2 months before burning. to take place in a designated burning area at least 25 m from the boundary of any active disposal areas. to take place in trenches or windrows. to take place only when an adequate supply of water is available to effectively manage the burning process. to be burnt in a manner to minimise smoke generation. ensure burning does not commence before 0800 hours and the Fire Control Officer for the premises declares the area safe by 1700 hours on the same day.
Special Waste Type 1 (asbestos waste)	Receipt, handling and associated storage prior to	Not to be deposited within 2 m of the final tipping surface of the landfill; and

	the disposal of waste by landfilling.	No works shall be carried out on the landfill that could lead to a release of asbestos fibres.
Special Waste Type 2 (biomedical waste)		<ul style="list-style-type: none"> Not to be deposited within 2 m of the final tipping surface of the landfill; immediately unload and cover the waste to a minimum depth of one metre of soil or solid waste; and No works shall be carried out on the landfill that could lead to biomedical wastes being excavated or uncovered.
Waste oil		Stored in oil receptacle within a concrete bunded area.
Vehicle batteries		Stored in concrete bunded area near waste oil.
Scrap metal		Stored in an area delineated by heaped gravel windrows.
Other recyclables		
Drum muster products		Stored in compound specifically for Drum Muster products.
Contaminated soils suitable for bioremediation	Bioremediation	<p>The licensee shall only dispose of hydrocarbon contaminated soils at the onsite bioremediation facility in such a manner that ensures bioremediation of the material is maximised through:</p> <ul style="list-style-type: none"> maintaining soil thickness at a depth of no more than 20 centimetres (cm); carrying out monthly soil aeration; and an appropriate moisture content and nutrient level is maintained within the soil which sustains biological activity.
Used tyres	Receipt, handling, storage prior to re-use or disposal by landfilling.	When tyres only are being disposed of to landfill, they are to be covered at regular intervals such that no more than 100 tyres are left exposed at any time

5. The Licence Holder must ensure that waste is only disposed of in landfill cells or phases provided with the infrastructure detailed in Table 4 for that Class of landfill cell or phase.

Table 4: Landfill infrastructure

Cell or Phase Number(s)	Class of Cell or Phase	Infrastructure requirements
1 - 7	Class II (Putrescible)	<ul style="list-style-type: none"> Clay Lined to achieve a permeability of at least $<1 \times 10^{-9}$ m/s or equivalent

6. The Licence Holder must ensure the following procedures are in place for managing asbestos wastes (Type 1 special waste) at the premises:
- (a) the disposal area(s) for any more than one cubic metre of asbestos material is defined by grid references on the site plan; and

- (b) a representative of the Licence Holder is available to witness the burial of the asbestos waste under at least one metre of fill or putrescible waste as soon as practicable after placement in the landfill and sign a bound, numbered register within two hours of the burial to attest that it has been buried in accordance with these procedures.
7. The Licence Holder must take the following measures when managing biomedical wastes (Type 2 special waste) at the premises:
 - (a) the Licence Holder, or its representative, shall note, in writing, any discrepancies between waste declared and waste received; and
 - (b) restrict access to the area where the waste is buried to authorised personnel only.
8. The Licence Holder must manage the landfilling activities to ensure:
 - (a) the size of the tipping face is kept to a minimum and not larger than 2m in vertical height;
 - (b) waste is levelled and compacted to ensure all faces are stable and capable of retaining rehabilitation material;
 - (c) waste is covered as soon as possible after it is discharged and not later than by the end of the working day; and
 - (d) rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.
9. The Licence Holder must ensure that cover is applied and maintained on landfilled wastes in accordance with Table 5 and that sufficient stockpiles of cover are maintained on site at all times.

Table 5: Cover requirements

Waste Type	Cover requirements
Inert Waste Type 1	No cover required
Inert Waste Type 2	To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste, clean fill or other appropriate cover material to prevent the spread of fire and harbouring of disease vectors.
Putrescible wastes	
Special Waste Type 1	To be covered as soon as practicable after deposit and before being compacted to prevent the release of asbestos fibres as a result of compaction and other landfilling activities.
Used Tyres	A minimum depth of 100mm of soil cover is maintained over the buried tyres following disposal

Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

10. The Licence Holder must implement control measures to prevent infestations of pests, flies and vermin at the premises.
11. The Licence Holder must take all reasonable and practical measures to ensure that no windblown waste escapes from the Premises and that windblown waste is collected on at least a weekly basis and returned to the tipping area.
12. The Licence Holder must implement the following security measures at the site:
 - (a) ensure the premises is manned at all times whilst open to public;
 - (b) maintain suitable fencing to prevent unauthorised access to the site;
 - (c) ensure that any entrance gates to the premises are securely locked when the premises are unattended; and

- (d) undertake regular inspections of all security measures and repair any damage to the fencing or gate(s) as soon as practicable.
- 13. The Licence Holder must not burn or allow the burning of non-greenwaste on the premises.
- 14. The Licence Holder must extinguish any unauthorised fire that may occur within the non-green waste area at the landfill site within eight hours of being notified of the fire.
- 15. The Licence Holder must ensure that there are appropriate procedures in place at the premises so that any unauthorised fire is promptly extinguished.
- 16. The Licence Holder must ensure the bioremediation facility is suitably bunded in such a manner that uncontaminated stormwater is diverted away from the facility.
- 17. The Licence Holder must retain any contaminated stormwater within the bioremediation facility in such a manner that it can be reticulated back over the bioremediation area.
- 18. The Licence Holder must install and maintain a sign at the entrance to the premises which clearly displays the following:
 - (a) hours of operation (if applicable);
 - (b) contact telephone number for information and complaints or notification of fires;
 - (c) where applicable, a list of materials acceptable for recycling and the location of where they can be deposited on the premises;
 - (d) the types of waste that must not be deposited on the premises and a contact telephone number for alternative disposal options; and
 - (e) a warning, indicating penalties for people lighting fires.

Monitoring

- 19. The Licence Holder must ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
 - (c) all laboratory samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured unless indicated otherwise in relevant table.
- 20. The Licence Holder must ensure that quarterly monitoring is undertaken at least 45 days apart.
- 21. The Licence Holder must ensure that all monitoring equipment used on the Premises to comply with the conditions of this licence is calibrated in accordance with the manufacturer's specifications.
- 22. The Licence Holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.
- 23. The Licence Holder must undertake the monitoring specified in Table 6.

Table 6: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Waste inputs	Inert 1, inert 2, special waste 1, special waste 2, clean fill, putrescible waste, waste that complies with Class II criteria in the document titled "Landfill Waste Classification and Waste Definitions" 1996.	tonnes (where a weighbridge is present on the site) m ³ (where no weighbridge is present)	N/A	Each load arriving at the premises
Waste outputs	Waste type as defined in the Landfill Waste Classification and Waste Definitions 1996			Each load leaving or rejected from the premises

Ambient environmental quality monitoring

24. The Licence Holder must undertake the groundwater monitoring in Table 7 according to the specifications in that table.

Table 7: Monitoring of ambient groundwater quality

Monitoring point reference	Parameter	Units	Averaging period	Frequency
Monitoring bores: KBF1 KBF1A KBF2 KBF4S KBF4D and KBF7 As depicted in Figure 3, Schedule 1	Standing water level (SWL) ¹	m(AHD)	Spot sample	Quarterly
	pH ²	-		
	Electrical conductivity	µS/cm		
	Ammonia- nitrogen	mg/L		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		
	Chloride	mg/L		
	Total soluble solids	mg/L		
	Lead	mg/L		
	Manganese	mg/L		
	Copper	mg/L		
	Chromium	mg/L		
	Nickel	mg/L		
	Zinc	mg/L		
	Cadmium	mg/L		

Note 1: SWL shall be determined on site prior to collection of water samples

Note 2: pH to be determined during field analysis.

Records and reporting

25. All information and records required by the licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;

- (c) except for records listed in 25(d) be retained for at least six years from the date the records were made or until the expiry of the licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the licence or any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect condition of the land or waters.
- 26.** The Licence Holder must ensure that:
 - (a) any person left in charge of the premises is aware of the conditions of the licence and has access at all times to the licence or copies thereof; and
 - (b) any person who performs tasks on the premises is informed of all of the conditions of the licence that relate to the tasks which that person is performing.
- 27.** The Licence Holder must record the following information in relation to complaints received by the Licence Holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the Licence Holder to investigate or respond to any complaint.
- 28.** The Licence Holder must:
 - (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by no later than 28 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 29.** The Licence Holder must maintain a register of Special Waste Type 1 (Asbestos waste) and Special Waste Type 2 (Biomedical and clinical waste) disposed of at the Premises which shall include a plan showing the position of Special Waste Type 1 (Asbestos waste) and Special Waste Type 2 (Biomedical and clinical waste) disposed of at the Premises.
- 30.** The Licence Holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
 - (a) the calculation of fees payable in respect of this licence;
 - (b) the works conducted in accordance with condition 39 of this licence;
 - (c) monitoring programmes undertaken in accordance with conditions 23, 24, 40, 45 and 46 of this licence; and
 - (d) complaints received under condition 27 of this licence.
- 31.** The books specified under condition 30 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the Licence Holder for the duration of the licence; and

(d) be available to be produced to an inspector or the CEO as required.

- 32.** The Licence Holder must submit to the CEO an Annual Environmental Report within 28 calendar days after the end of the annual period. The report shall contain the information listed in Table 8 in the format or form specified in that table.

Table 8 Annual environmental report

Condition or table (if relevant)	Parameter	Format or form
-	Summary of any failure or malfunction of any pollution control equipment or any environmental incidents that have occurred during the annual period and any action taken	None specified
-	The number and severity of any fires on site	
-	The measures taken to suppress dust	
-	The measures taken to control windblown waste	
Condition 27 Table 6	The volume of waste received at the site during the reporting period	Tabular
Condition 28 Table 7	Ambient groundwater quality monitoring	None specified
Condition 32	Compliance	AACR
Condition 31	Complaints summary	None specified

- 33.** The Licence Holder must ensure that the Annual Environmental Report also contains:
- (a) an assessment of the information contained within the report against previous monitoring results; and
 - (b) a list of any original monitoring reports submitted to the Licensee from third parties for the annual period and make these reports available on request.
- 34.** The Licence Holder must ensure that the parameters listed in Table 9 are notified to the CEO in accordance with the notification requirements of the table.

Table 9: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement	Format or form
14	Unauthorised fire	Within fourteen (14) days of an unauthorised fire as per condition 14 of this licence	None specified

Construction phase

- 35.** The Licence Holder must construct or install each item of infrastructure in Table 10 in accordance with the corresponding requirements and at the corresponding locations specified in Table 10.

Table 10: Infrastructure construction requirements

Infrastructure	Design, construction, and installation requirements	Infrastructure location(s)
Mobile crushing and screening plant	<p>2-stage mobile crushing and screening plant not exceeding 50,000 m³ throughput, consisting of:</p> <ul style="list-style-type: none"> • Komatsu WA 470 Loader (or equivalent) • Terex Finlay 693 Screen (or equivalent) • 424 Telestack Stacker (or equivalent) • Terex Finlay 683 Pugmill (or similar) • constructed and installed as per the manufacturer's specifications. <p><u>Dust controls:</u></p> <ul style="list-style-type: none"> • Water cart • Dust suppressant system – misting cannon or similar. 	Mobile across the two fenced areas shown in Schedule 1, Figure 2 labelled "Contaminated lead stockpile"
Drainage bunds and culverts	<ul style="list-style-type: none"> • surface water diversion / drainage controls implemented. • drainage bunds constructed and positioned to prevent clean stormwater from entering operational areas. 	Located so as to prevent clean stormwater from entering operational areas

Construction compliance document

- 36.** The Licence Holder must, within 30 calendar days of each infrastructure being installed or construction completed:
- undertake an audit of their compliance with the requirements of condition 39; and
 - submit to the CEO an Environmental Compliance Report on that compliance.
- 37.** The Environmental Compliance Report required by condition 36 must include, as a minimum, the following:
- certification by a suitably qualified professional that the items of infrastructure, as specified in condition 35, have been constructed in accordance with the relevant requirements specified in condition 35;
 - as-constructed plans and a detailed site plan for each item of infrastructure specified in condition 35;
 - be signed by a person authorised to represent the Licence Holder and contain the printed name and position of that person within the company.

Screening and Immobilisation pilot testing requirements

38. The Licence Holder must only undertake the screening pilot test outlined in Condition 39 once the Environmental Compliance Report required by Condition 36 has been submitted to the CEO.
39. The Licence Holder must undertake screening and testing for each waste type in Table 11 in accordance with the processing requirements specified in Table 11.

Table 11: Screening and Immobilisation pilot test requirements

Waste type	Processing requirements
Contaminated soil containing cupels, crucibles and slag waste (from laboratory fire assay processes) as defined by Figure 3	<p>No more than 1,600 m³ of contaminated soil must be screened.</p> <p>Contaminated soil used in the screening pilot testing must be sourced from stockpiles 1 – 4 located within the premises as defined by Figure 3.</p> <p>Stockpiles must be maintained in a damp state.</p> <p>The following screens must be used for the pilot testing:</p> <ul style="list-style-type: none"> • 150 - 250 mm grizzly; • 90 - 200 mm top deck; and • 5 - 20 mm bottom deck <p>Material must be screened through the crushing and screening plant.</p> <p>The dust suppression system must be operational when screening is undertaken.</p> <p>Dust monitoring must be undertaken using two light scatter aerosol monitors.</p>
Screened stockpiles of contaminated soil	<p>A record must be kept of sampling results for screened contaminated soil.</p> <p>Screened contaminated soil must be treated with an immobilisation agent composed of calcium hydroxide or magnesium oxide or similar.</p> <p>No more than 400 m³ of screened contaminated soil must be treated with the immobilisation agent.</p> <p>Treatment of the screened contaminated soil must occur within a pug mill.</p> <p>Treatment within the pug mill must not result in the discharge of liquid from the pug mill.</p> <p>Stockpiles must be maintained in a damp state.</p> <p>Any screened material of a particle size larger than <10 mm must be stored in a separate stockpile prior to disposal at an appropriately licenced facility.</p> <p>All loads of screened material leaving the premises must be wet down and/or covered.</p> <p>After treatment, screened contaminated soil must be tested to determine the classification of the waste in line with the <i>Landfill Classification and Waste Definitions</i>.</p>

- 40.** The Licence Holder must undertake monitoring of contaminated soil in accordance with the specifications in Table 12.

Table 12: Contaminated soil monitoring during pilot

Monitoring point reference	Parameter	Units	Frequency	Method
Contaminated soil stockpiles	BTEX and TRH C6-C9 petroleum hydrocarbons C16-C35 petroleum hydrocarbons (aromatics) C10->C35 petroleum hydrocarbons (aliphatics)	mg/Kg	Before treatment with immobilisation agent	AS4482.2
Screened and treated stockpiles of contaminated soil	PAHs (total) Benzo (a) pyrene Toulene Xylenes Lead (Pb) Zinc (Zn) Cadmium (Cd) Chromium (Cr) Copper (Cu) Nickel (Ni)		After treatment with immobilisation agent and prior to disposal or removal from site	

- 41.** The Licence Holder must, within 60 calendar days of completing the screening pilot test outlined in Condition 39, submit to the CEO a Screening and Immobilisation Pilot Test Review report.
- 42.** The Screening and Immobilisation Pilot Test Review report required by Condition 41 must include, as a minimum, the following:
- Outcomes and recommended actions following the completion of the trial, including what methodology will be implemented for further remedial works at the premises;
 - A summary of the environmental performance of all infrastructure as constructed or installed;
 - Laboratory analysis results for all samples taken during the trial (provided in raw data files, being Excel, CSV or equivalent format);
 - An assessment of the sample and monitoring data obtained in accordance with Condition 40, with data presented in either a graphical or tabulated format for interpretation;
 - Dust monitoring data from the two light scatter aerosol monitors; and
 - A proposed remedial action plan for managing the remaining contaminated soil on the site, including monitoring specifications for contaminants throughout the remediation.

Remedial works requirements

- 43.** The Licence Holder must only commence the remedial works outlined in Condition 44 once the CEO has provided notification that the report required by Condition 41 meets the requirements of that condition.
- 44.** The Licence Holder must undertake screening and testing for each waste type in Table 13 in accordance with the processing requirements specified in Table 13.

Table 13: Remedial works requirements

Waste type	Processing requirements
Contaminated soil containing cupels, crucibles and slag waste (from laboratory fire assay processes) as defined by Figure 3	<p>No more than 50,000 m³ of contaminated soil must be screened.</p> <p>Stockpiles must be maintained in a damp state.</p> <p>Material must be screened through the crushing and screening plant.</p> <p>The dust suppression system must be operational when screening is undertaken.</p> <p>Dust monitoring must be undertaken using two light scatter aerosol monitors.</p>
Screened and treated stockpiles of contaminated soil	<p>A record must be kept of sampling results for screened contaminated soil.</p> <p>Screened contaminated soil must be treated with an immobilisation agent composed of calcium hydroxide or magnesium oxide or similar.</p> <p>Treatment of the screened contaminated soil must occur within a pug mill.</p> <p>Treatment within the pug mill must not result in the discharge of liquid from the pug mill.</p> <p>Stockpiles must be maintained in a damp state.</p> <p>Any screened material of a particle size larger than <10 mm must be stored in a separate stockpile prior to disposal at an appropriately licenced facility.</p> <p>All loads of screened material leaving the premises must be wet down.</p> <p>After treatment, screened contaminated soil must be tested to determine the classification of the waste in line with the <i>Landfill Classification and Waste Definitions</i>.</p>

45. The Licence Holder must undertake monitoring of contaminated soil in accordance with the specifications in Table 14.

Table 14: Contaminated soil monitoring during remedial works

Monitoring point reference	Parameter	Units	Frequency	Method
Contaminated soil stockpiles	BTEX and TRH C6-C9 petroleum hydrocarbons C16-C35 petroleum hydrocarbons (aromatics) C10->C35 petroleum hydrocarbons (aliphatics)	mg/Kg	Before treatment with immobilisation agent	AS4482.2
Screened and treated stockpiles of contaminated soil	PAHs (total) Benzo (a) pyrene Toulene Xylenes Lead (Pb) Zinc (Zn) Cadmium (Cd) Chromium (Cr) Copper (Cu) Nickel (Ni)		Prior to disposal or removal from site	

46. The Licence Holder must monitor and record volumes of material disposed of or removed from the premises according to the specifications in Table 15.

Table 15: Screened contaminated soil monitoring requirements

Material type	Units	Frequency
Screened contaminated soil disposed of directly to Class II cell at premises	Tonnes	Each load
Screened contaminated soil treated with immobilizing agent prior to disposal to Class II cell at premises.		
Waste material removed from the premises for disposal at an appropriately licensed facility.		

47. The Licence Holder must, within 60 calendar days of completing the remedial works outlined in Condition 44, submit to the CEO a Remedial Works Review report.
48. The Remedial Works Review report required by Condition 47 must include, as a minimum, the following:
- (a) a summary of the remedial works (including timeframes and outcomes);
 - (b) a summary of the environmental performance of all infrastructure as constructed or installed;
 - (c) Laboratory analysis results for all samples taken during remedial works (provided in raw data files, being Excel, CSV or equivalent format);

- (d) An assessment of the sample and monitoring data obtained in accordance with Condition 45, with data presented in either a graphical or tabulated format for interpretation;
- (e) A summary of the monitoring of volumes of material disposed of at or removed from the premises as obtained in accordance with Condition 46; and
- (f) Dust monitoring data from the two light scatter aerosol monitors.

Definitions

In this licence, the terms in Table 16 have the meanings defined.

Table 16: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
HIL-D	<i>Health Investigation level – Commercial/Industrial sites</i>
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
Licence Holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
NEPC 2013	National Environment Protection Council
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in

Term	Definition
	Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
SSTLs	
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

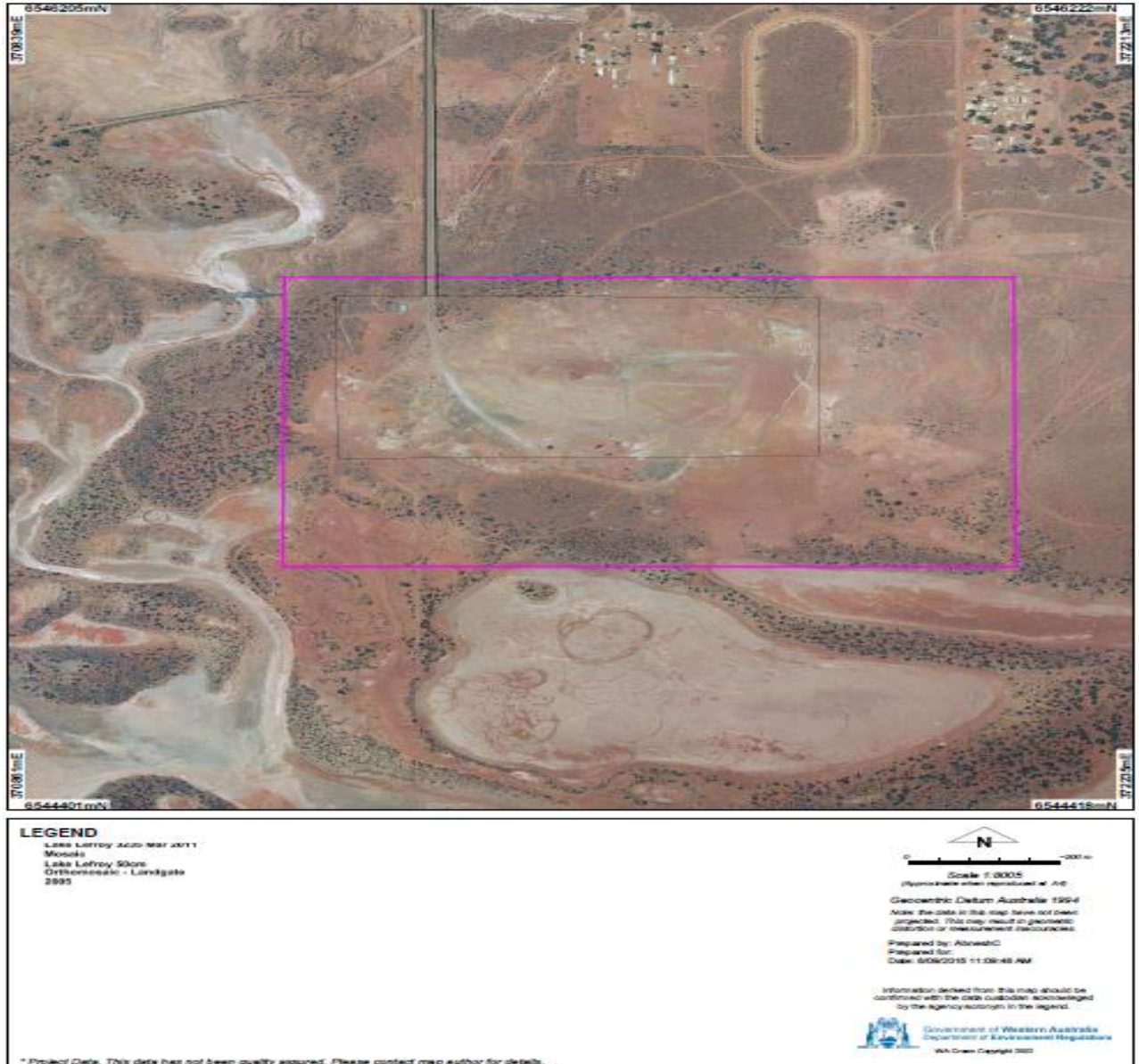
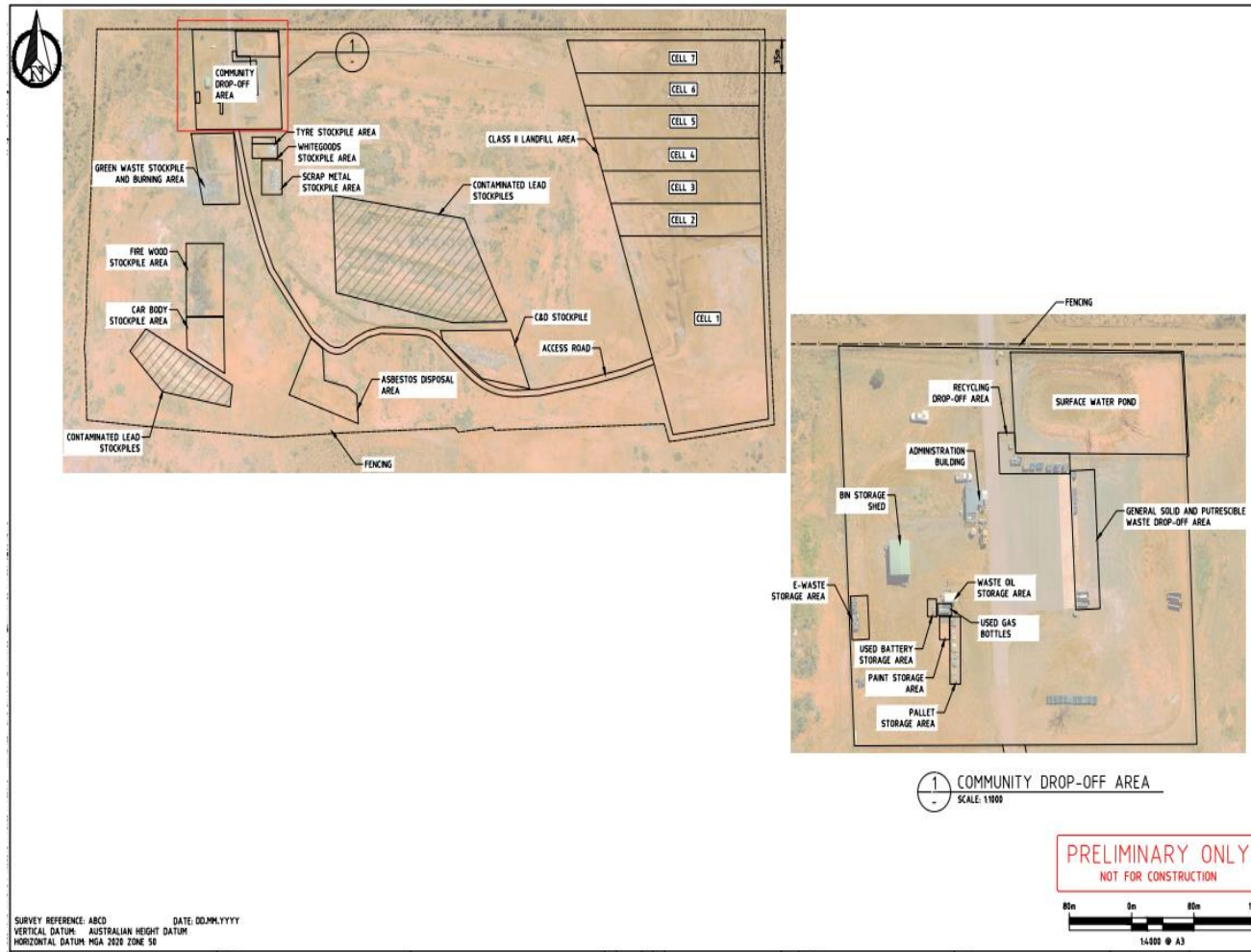


Figure 1: Map of the boundary of the prescribed premises

Site plan

The site plan of the prescribed premises is shown in the map below.



Stockpile location

The location of the stockpiles of contaminated soil within the prescribed premises are shown in the map below.

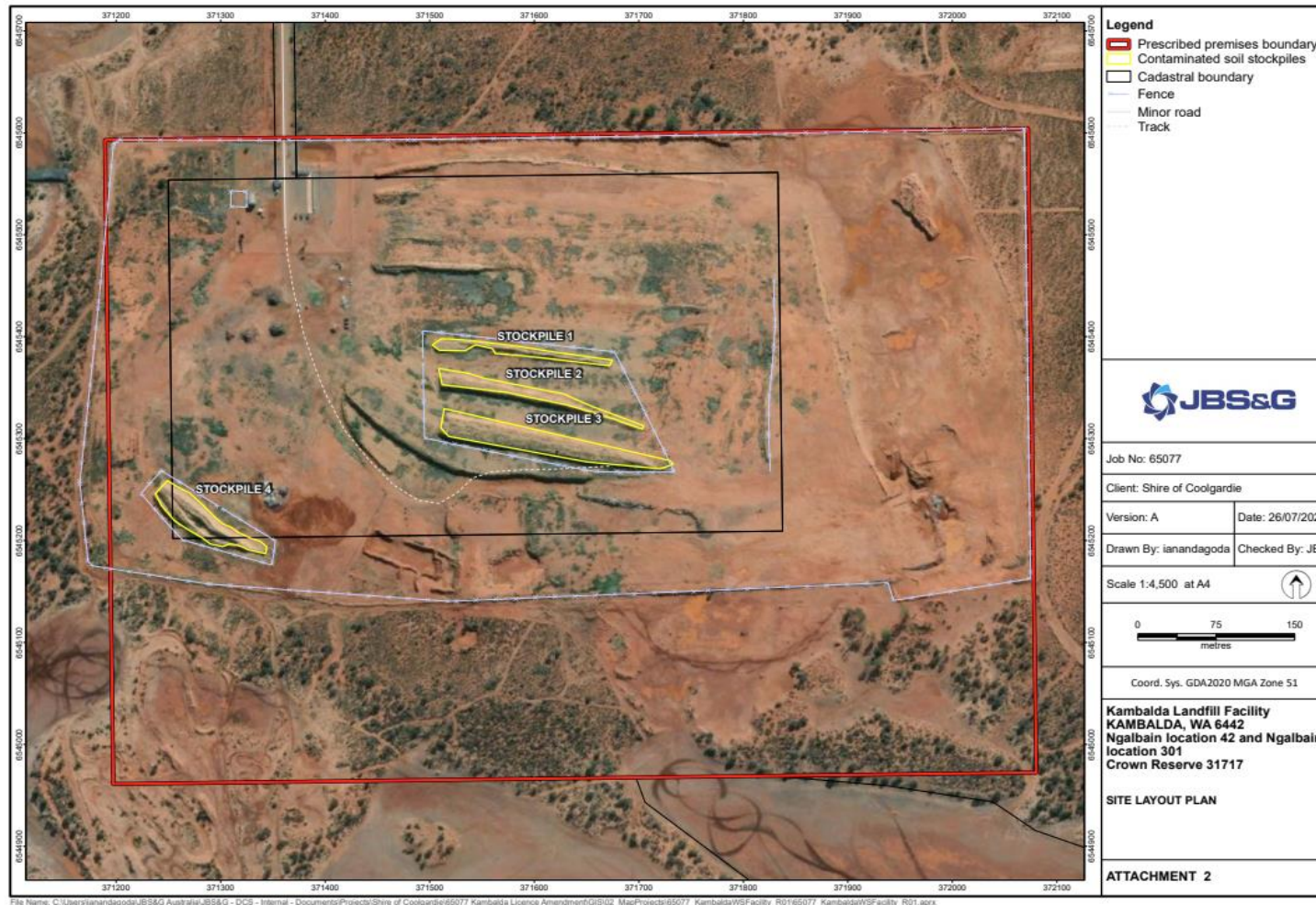


Figure 3: Locations of stockpiles to undergo the screening and immobilisation pilot and remedial works

L7970/1997/6

Monitoring bore locations

The locations of the monitoring points defined in Table 7 are shown below in figure 3.

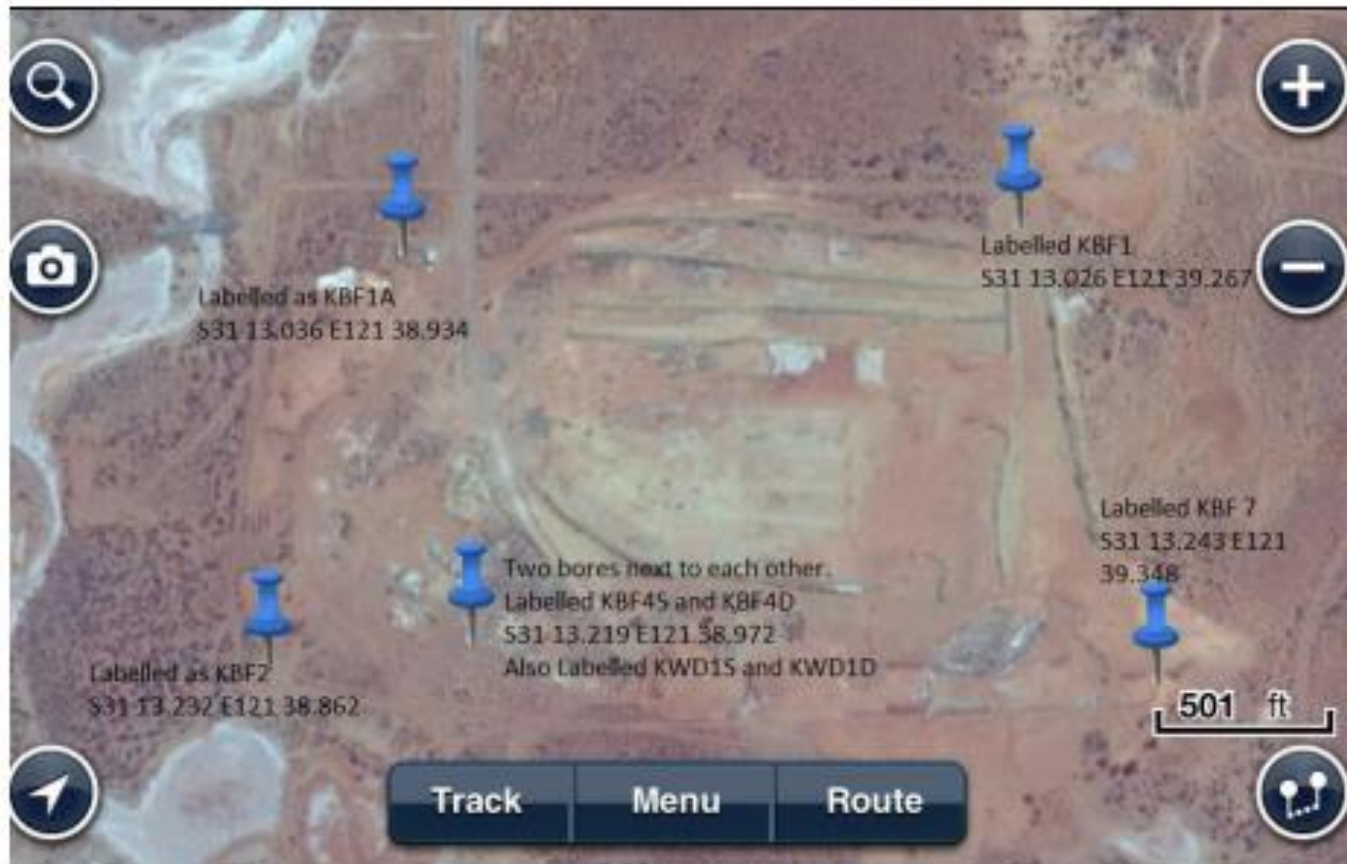


Figure 4: Monitoring bore locations

[L7970/1997/6](#)

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 17.

Table 17: Premises boundary coordinates (GDA2020)

	Easting	Northing
1.	371188.5 E	6545591.5 N
2.	372071.4 E	6545602.6 N
3.	371196.4 E	6544959.7 N
4.	372079.4 E	6544497.9 N