



Licence number	L8572/2011/1
Licence holder	Western Resource Recovery Pty Ltd
ACN	099 144 180
Registered business address	Level 4 Bay Centre, 65 Pirrama Road, PYRMONT NSW 2009
DWER file number	2012/002663
Duration	14/07/2011 to 13/07/2024
Date of issue	14/07/2011
Premises details	Hampton Location 221, Portion of Reserve 42000, Celebration Road BOULDER WA 6429 As defined by Figure 1 in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 61: Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage) is stored, reprocessed, treated or irrigated	Not more than 40 000 tonnes per annual period
Category 61A: Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated or discharged onto land.	Not more than 20 000 tonnes per annual period
Category 62: Solid Waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use	Not more than 20 000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 14 March 2022, by:

Melissa Chamberlain
SENIOR ENVIRONMENTAL OFFICER
REGULATORY SERVICES

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

Licence history

Date	Reference number	Summary of changes
14/07/2011	L8572/2011/1	Licence granted.
8/11/2013	L8572/2011/1	DER amendment to add general condition 9 relating to not undertaking any waste immobilisation/fixation or encapsulation processes until actions specified in Table 2 of condition 9 have been completed
15/01/2015	L8572/2011/1	Licence amendment to REFIRE format, replacing condition 9 with a condition that will allow the Licence Holder to undertake waste immobilisation/fixation and encapsulation processes in accordance with the Total Waste Management – Waste Operations Working Plan and Management System and addition of category 61A to the current licence
10/07/2019	L8572/2011/1	Licence amendment to extend expiry date until 13 July 2024. Updates to style and format of licence
14/03/2022	L8572/2011/1	Licence amendment to transfer ownership to Western Resource Recovery Pty Ltd

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:

- 1 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:
 - (a) pollution;
 - (b) unreasonable emission;
 - (c) discharge of waste in circumstances likely to cause pollution; or
 - (d) being contrary to any written law.
2. The Licence Holder shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.
3. The Licence Holder shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
4. The Licence Holder shall:
 - (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
 - (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.¹

Note 1: *The Environmental Protection (Unauthorised Discharges) Regulations 2004* make it an offence to discharge certain materials into the environment.

Premises Operation

5. The Licence Holder shall record and investigate the exceedance of any descriptive or numerical limit or target specified in this Licence.
6. The Licence Holder shall only allow waste to be accepted at the Premises if:
 - (a) it is of a type listed in Table 1; and
 - (b) the quantity accepted is below any limit listed in Table 1; and
 - (c) it meets any specifications listed in Table 1.

Table 1: Waste acceptance

Waste	Waste Code	Quantity limit	Specification ^{1,2}
Plating and Heat Treatment		As per approved premises production capacity	Brought to the Premises by a controlled waste carrier and discharged in the waste receipt vessel via flexible reinforced hose or received and stored appropriately as packaged waste as depicted in schedule 1.
Waste resulting from surface treatment of metals and plastics	A100		
Inorganic cyanide	A130		
Waste from heat treatment and tempering processes which use cyanide	A110		
Acids			Liquid Waste: all liquid waste is to be stored in impervious
Acidic solutions or acids in solid form	B100		
Alkalis			
Basic solution or bases in solid form	C100		
Inorganic Chemicals			

Waste	Waste Code	Quantity limit	Specification ^{1, 2}
Metal Carbonyls	D100		storage tanks.
Inorganic fluorine compounds (excluding calcium fluoride)	D110		
Mercury and mercury compounds	D120		
Arsenic and arsenic compounds	D130		
Chromium compounds	D140		
Tannery wastes containing chromium	D141		
Cadmium of cadmium compounds	D150		
Used nickel cadmium batteries	D151		
Beryllium and beryllium compounds	D160		
Antimony or Antimony compounds	D170		
Thallium and thallium compounds	D180		
Copper compounds	D190		
Cobalt compounds	D200		
Nickel compounds	D210		
Used nickel metal hydride batteries	D211		
Lead and lead compounds	D220		
Used lead acid batteries	D221		
Zinc compounds	D230		
Selenium; selenium compounds	D240		
Tellurium and tellurium compounds	D250		
Vanadium compounds	D270		
Barium and barium compounds	D290		
Non toxic salts	D300		
Boron compounds	D310		
Inorganic sulphides	D330		
Perchlorates	D340		
Chlorates	D350		

Waste	Waste Code	Quantity limit	Specification ^{1, 2}
Phosphorous	D360		
Paints, Resins, Inks and Organic Sludge			
Aqueous based waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F110		
Solvent based waste from the production, formulation and use of resins, latex, plasticisers, glues and adhesives	F130		
Aqueous based waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers and varnish	F100		
Organic Solvents			
Dry cleaning waste containing perchloroethylene	G130		
Halogenated organic solvents not otherwise specified	G150		
Waste from production, use and formulation of organic solvents not otherwise specified	G160		
Pesticides			
Waste from production, formulation or use of biocides & phytopharmaceuticals	H100		
Organic phosphorous compounds	H110		
Waste wood preserving chemicals	H170		
Oils			
Oil interceptor waste	J130		
Waste oil and water mixtures or emulsions and hydrocarbon and water mixtures or emulsions	J120		
Oil sludge	J180		
Waste oils unfit for their intended purpose	J100		
Used oil filters	J170		
Putrescible and Organic wastes			
Waste from grease traps	K110		
Food and beverage processing wastes	K200		
Industrial Wash Water			

Waste	Waste Code	Quantity limit	Specification ^{1, 2}
Car and truck wash waters	L100		
Industrial wash water contaminated with a controlled waste	L150		
Organic chemicals			
Non halogenated organic chemicals	M130		
Isocyanate compounds	M220		
Surfactants and detergents	M250		
Soils and Sludge			
Soils contaminated with a controlled waste	N120		
Fire debris and wash water	N140		
Fly ash excluding fly ash generated from Australian coal fired power stations	N150		
Filter cake containing controlled waste	N190		
Containers or drums contaminated with residues of controlled waste	N100		
Encapsulated, chemically fixed, solidified or polymerised controlled wastes	N160		
Industrial waste treatment plant residues	N205		
Miscellaneous			
Waste from production or formulation of photographic chemicals or processing materials	T120		

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

Note 2: The DWER Controlled Waste Tracking and Permitting Section should be notified immediately in the event of a load arriving onsite that is suspected of non-conformance with the requirements of the *Environmental Protection (Controlled Waste) Regulations 2004*.

7. The Licence Holder shall ensure that the wastes accepted onto the Premises are only subjected to the process(es) set out in Table 2 and in accordance with any process requirements described in that table.

Table 2: Waste processing

Waste type	Process	Process requirements
All	Consolidation Physical, biological and chemical treatment	All wastes received for consolidation shall be assessed by a chemist or suitably qualified person to ensure compatibility. The Licence Holder is permitted to undertake any waste immobilisation/fixation or encapsulation processes in accordance with Veolia WA Manual

		Issue 22 December 2021 ' <i>Site Waste Management Plan Kalgoorlie Liquid & Hazardous Waste Facility</i> '.
Solid wastes	Storage	Waste drum shredding operations are only to be conducted onsite between 08:00 hours to 17:00 hours The Licence Holder shall ensure that all solid waste material accepted onto the premises is removed from the premises within 6 weeks of receipt.

8. The Licence Holder shall ensure that where waste does not meet the waste acceptance criteria set out in condition 6 Table 1 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.
9. The Licence Holder shall manage the storage ponds such that:
 - (a) Overtopping of the ponds does not occur;
 - (b) A minimum top of embankment freeboard of 300mm is maintained;
 - (c) The integrity of the containment infrastructure is maintained; and
 - (d) Vegetation does not grow on the inner pond embankments.
10. The Licence Holder shall implement the following security measures at the site:
 - (a) Erect and maintain fencing to prevent unauthorised access to the site;
 - (b) Ensure that any entrance gates to the premises are securely locked when the premises are unattended; and
 - (c) Undertake regular inspections of all security measures and repair damage as soon as practicable.
11. The Licence Holder shall implement control measures to prevent infestations of pests, flies and vermin at the Premises.
12. The License Holder shall take all reasonable and practical measures to ensure that no windblown waste escapes from the Premises.
13. The Licence Holder shall maintain and clean out any drains, oil traps and sumps are appropriate to ensure the continued performance of the system.
14. The Licence Holder shall remove oil collected in the oil traps as necessary for recycling.

Emissions

15. The Licence Holder shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.
16. The Licence Holder shall ensure that no visible dust generated by the activities on the Premises crosses the boundary of the Premises.
17. The Licence Holder shall ensure that odour emitted from the Premises does not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person who is not on the Premises.

Monitoring

18. The Licence Holder shall 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;

- (c) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.

19. The Licence Holder shall ensure that quarterly monitoring is undertaken at least 45 days apart.
20. The Licence Holder shall undertake the monitoring in Table 3 according to the specifications in that table.

Table 3: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Waste types as specified in Table 1	kL	N/A	Each load arriving at the Premises (controlled waste tracking form)
Waste Outputs	Waste types as specified in Table 1 or as specified in the <i>Environmental Protection (Controlled Waste) Regulations 2004</i>			Each load leaving or rejected from the Premises

21. The Licence Holder shall undertake the monitoring in Table 4 according to the specifications in that table.
22. The Licence Holder shall ensure that the siting of ambient air monitoring equipment is in accordance with AS 3580.1.1.

Table 4: Monitoring of ambient air quality

Monitoring point reference and location	Parameter	Units	Averaging period	Frequency	Method
NH ₃ Downwind 1	Ammonia ¹	µg/m ³	24 hours	Continuous	None specified
NH ₃ Downwind 2	Ammonia ¹	ppm	24 hours		

1: Ammonia monitoring to be conducted during treatment of pesticide and/or herbicide

23. The Licence Holder shall, at the frequencies stated in Column 5 of Table 5, take measurement of standing water levels (SWL) and take representative water samples from the monitoring sites, and have them analysed for the parameters listed in Column 2 of Table 5.

Table 5: Monitoring of ambient groundwater quality

Column 1	Column 2	Column 3	Column 4	Column 5
Monitoring point reference and location	Parameter	Units	Averaging period	Frequency
North Bore 1-3 South Bore 1-3	Standing water level	m(AHD)	Spot sample	Quarterly (January, April, July and October)
	pH ¹	N/A		
	Total dissolved solids	mg/L		
	Heavy Metals	µg/L		
	Oil and grease	mg/L		
	Total recoverable hydrocarbons	mg/L		

Note1: pH to be determined during field analysis.

Information

- 24.** 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 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence;
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
 - (e) be available to be produced to an inspector or the CEO as required.
- 25.** The Licence Holder shall 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.
- 26.** 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.
- 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 shall 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 6 in the format or form specified in that table.

Table 6: Annual Environmental Report

Condition or table	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Condition 20 Table 3	Summary of inputs and outputs: data on the volumes by month, of waste types received and transported from the premises	None specified
Condition 22 Table 4	Monitoring of ambient air quality	None specified
Condition 23 Table 5	Monitoring of ambient groundwater quality	None specified
Condition 26	Compliance	Annual Audit Compliance Report (AACR)
Condition 27	Complaints summary	None specified

Note 1: Forms are in Schedule 2

- 29.** The Licence Holder shall ensure that the Annual Environmental Report also contains:
- any relevant process, production or operational data recorded under Conditions 18 - 20; and
 - an assessment of the information contained within the report against previous monitoring results and Licence limits and/or targets

Notification

- 30.** The Licence Holder shall ensure that the parameters listed in Table 7 are notified to the CEO in accordance with the notification requirements of the table.

Table 7: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
Condition 6	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1
	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2

Definitions

In this licence, the terms in Table 8 have the meanings defined.

Table 8: Definitions

Term	Definition
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).
ACN	Australian Company Number
AHD	means the Australian height datum
annual period	a 12 month period commencing from 1 June the previous year and ending on 30 May in that year
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples
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
Code of practice for the storage and handling of dangerous goods	means the document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;
Controlled waste	has the definition in Environmental Protection (Controlled Waste) Regulations 2004
Dangerous goods	meaning defined in the Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994 (WA)</i> 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.
Environmentally hazardous material	means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the

Term	Definition
	manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Fugitive emissions	means all emissions not arising from point sources
hardstand	means a surface with a permeability of 10 ⁻⁹ metres/second or less
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.
NATA	means the National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
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(s) (Figure 1) in Schedule 1 to this licence.
Prescribed premises	has the same meaning given to that term under the EP Act.
Schedule 1	means Schedule 1 of this Licence unless otherwise stated
Schedule 2	means Schedule 2 of this Licence unless otherwise stated
Temporary	means that material is generally stored less than 30 days
Waste operations working plan and management system boulder	means TWM work instruction based on sector guidance note IPPC S5.06
waste	meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Premises Maps

Figure 1: Premises Map



Figure 2: Map of monitoring locations

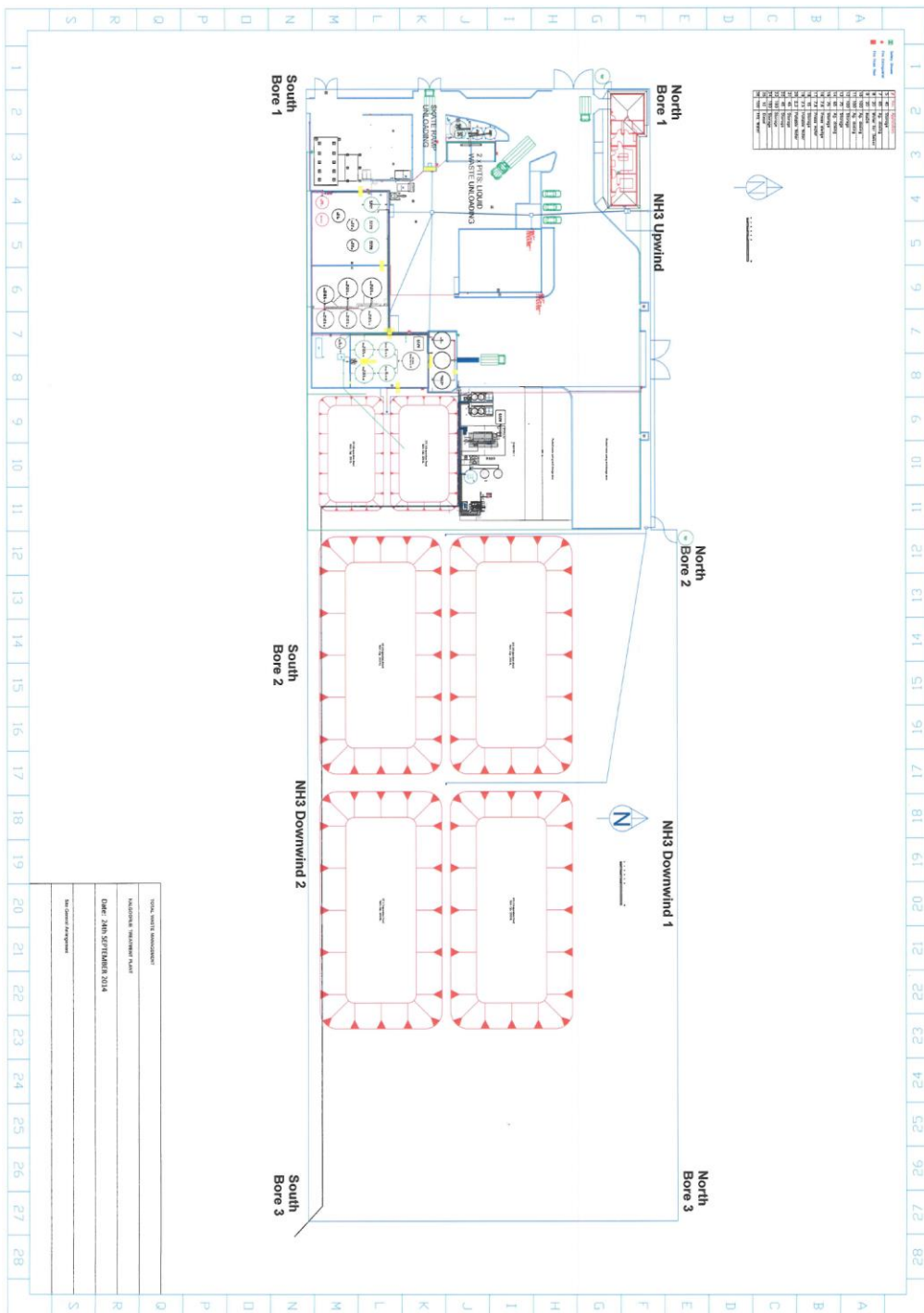
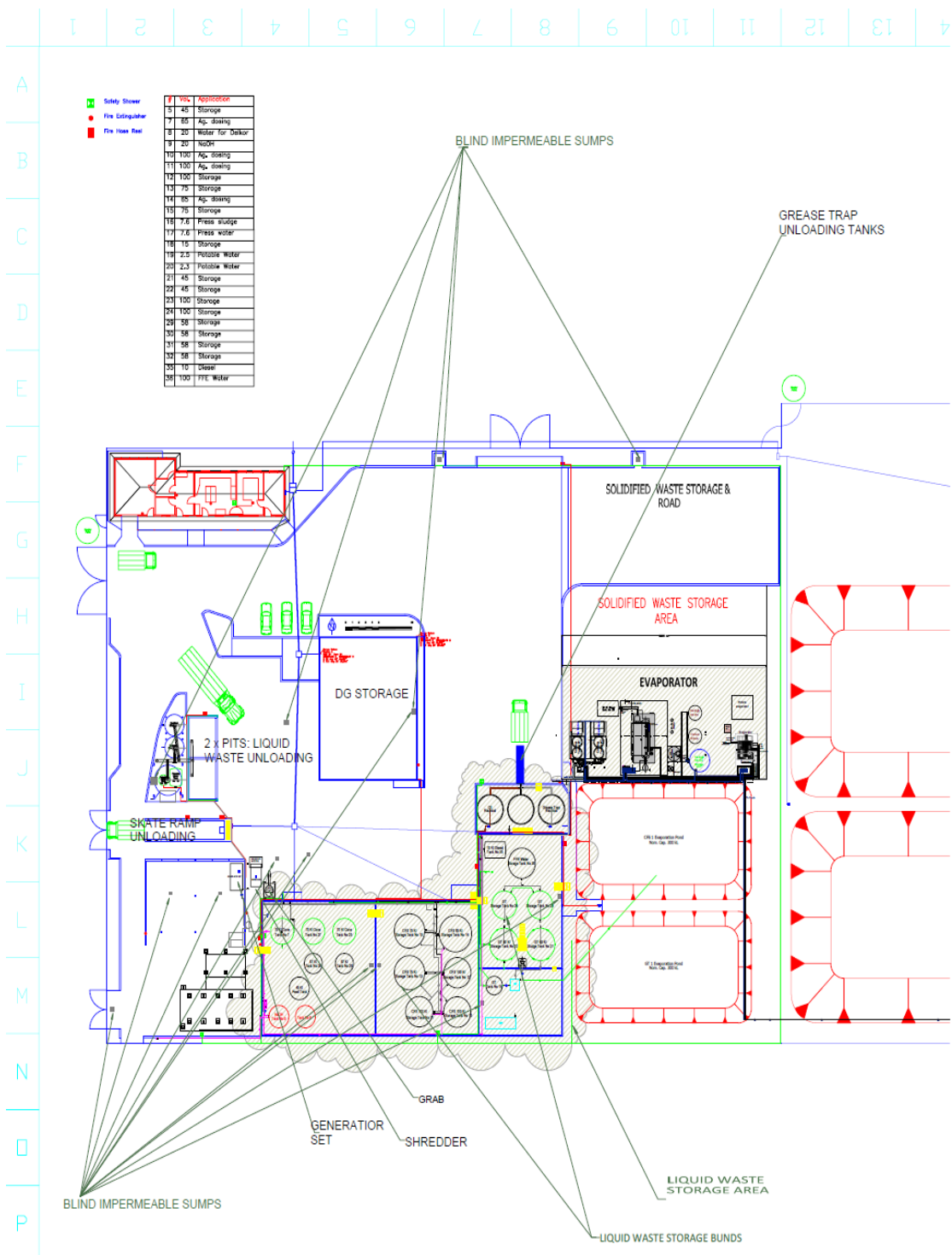


Figure 3: Map of storage locations



Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L8572/2011/1 Licence Holder:
Form: N1 Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

These pages outline the information that the operator must provide. Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Western Resource Recovery Pty Ltd	
Date	