

Licence

Licence number	L9367/2022/1
Licence holder	City of Albany
Registered business address	102 North Road YAKAMIA WA 6330
DWER file number	DER2022/000634~1
Duration	20/02/2023 to 24/12/2030
Date of issue	20/02/2023
Date of amendment	28/08/2024
Premises details	Bakers Junction Waste Management Facility 1206 Chester Pass Road KALGAN WA 6030
	Legal description – Reserve 31472 Lot 7190 on Deposited Plan 175897 (As depicted in Figure 1)

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
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	5, 000 tonnes per annual period
Category 64: Class II or III putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	50, 000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 28 August 2024 by:

Adam Green A/MANAGER, WASTE INDUSTRIES an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Licence history

Date	Reference number	Summary of changes
06/10/2000	L7048/1997/4	Licence reissued – Category 64
05/12/2001	L7048/1997/5	Licence reissued – Category 64
17/12/2002	L7048/1997/6	Licence reissued – Category 64
15/12/2003	L7048/1997/7	Licence reissued – Category 64
15/12/2004	L7048/1997/8	Licence reissued – Category 64
15/12/2007	L7048/1997/9	Licence reissued – Category 64
18/12/2008	L7048/1997/10	Licence reissued – Category 64
22/12/2011	L7048/1997/11	Licence reissued – Category 64
23/07/2021	W6565/2021/1	Works approval for construction of food organics and garden organics (FOGO) waste storage depot issued - category 62
08/12/2022	W6565/2021/1	Works approval emended to facilitate on site shredding of FOGO waste - category 61A.
20/02/2023	L9367/2022/1	Replaced lapsed licence L7048/1997/11– Category 64
16/11/2023	L9367/2022/1	Licence amended to incorporate activities approved under works approval W6565/2021/1
05/02/2024	L9367/2022/1	Department-initiated administrative amendment to correct administrative and typographical errors
28/08/2024	L9367/2022/1	Licence amendment to temporarily receive and process FOGO waste at the landfill tipping area

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:

Waste acceptance and management

- **1.** The licence holder shall accept and bury only the following types of waste at the premises:
 - (a) Clean fill;
 - (b) Inert waste type 1;
 - (c) Inert waste type 2;
 - (d) Putrescible wastes;
 - (e) Special waste type 1;
 - (f) Special waste type 2;
 - (g) Quarantine waste; and
 - (h) Other wastes that comply with Class II criteria in the Landfill Definitions.
- 2. The licence holder shall ensure that all green waste received at the premises is mulched:
 - (a) For disposal at the premises; or
 - (b) For removal from the premises.

Disposal of special waste type 1

- **3.** The licence holder shall ensure that special waste type 1 (asbestos and asbestos products) is accepted and buried at the premises according to the following requirements:
 - (a) Upon entry to the site, special waste type 1 shall be wrapped in heavy duty plastic;
 - (b) Clearly signpost the area for asbestos waste disposal;
 - (c) Define the disposal area(s) by grid references on the site plan;
 - (d) Keep a copy of the site plan marked with the locations used for asbestos disposal as described in licence condition 3(c);
 - Record the contact details and vehicle registrations of persons or operators bringing asbestos waste to the site for disposal, and record the individual volumes disposed;
 - (f) Witness the burial of the asbestos waste under at least 300 mm of soil or one (1) metre of putrescible waste as soon as practicable after placement in the landfill;
 - (g) Sign a bound, numbered register within two (2) hours of the burial to attest that the special waste type 1 has been buried in accordance with the relevant legislative requirements.

Disposal of special waste type 2

- **4.** The licence holder shall ensure that special waste type 2 (clinical waste) is accepted and buried at the premises according to the following requirements:
 - (a) The licence holder, or their representative, must complete and sign the original controlled waste tracking form, noting, in writing, any discrepancies between waste declared and waste received;
 - (b) Keep a record of the controlled waste tracking form for at least three years;
 - (c) Immediately unload and cover the waste to a minimum depth of one metre of soil or solid waste;
 - (d) Define the disposal area(s) by grid reference on the site plan;
 - (e) Keep a copy of the site plan marked with the locations used for clinical waste disposal as described in licence condition 4(d) as a permanent record;
 - (f) Ensure the disposal areas are not excavated or uncovered during subsequent landfill operations; and
 - (g) Restrict access to the landfill site where the special waste type 2 is buried to authorised personnel only.

Disposal of quarantine waste

- 5. The licence holder may accept quarantine waste other than human waste, provided:
 - (a) Such waste is solid;
 - (b) Such waste complies with Landfill Definitions contaminant limits for the class of landfill;
 - (c) The landfill is approved by the Department of Agriculture, Fisheries, and Forestry for the receipt of quarantine waste:
 - (d) Quarantine waste accepted at the landfill is despatched to the landfill by a biosecurity officer or a party that has been accredited by the Department of Agriculture, Fisheries, and Forestry to carry out the transport of quarantine wastes to the site;
 - (e) The quarantine waste is handled in accordance with Department of Agriculture, Fisheries, and Forestry requirements for the disposal of the waste; and
 - (f) The licence holder makes the information recorded in accordance with Department of Agriculture, Fisheries, and Forestry requirements available for viewing or copying by the CEO during any inspection of the premises.

Management of landfill activities

- **6.** The licence holder shall:
 - (a) Dispose of waste on the premises no closer than at least five (5) metres from the premises boundary;
 - Place waste within a defined cell or within an area enclosed by earthen or other bunds;
 - (c) Restrict the tipping area to a maximum linear length of 30 metres;
 - (d) Cover waste with at least 150 mm of cover material every day the site is open;
 - (e) Cover municipal waste within 24-hours of delivery;

- (f) Stockpile sufficient cover material to allow waste to be covered in accordance with licence conditions 6(d) and 6(e) of this licence and to cover waste in the event of a fire;
- (g) Manage the active landfill area such that at no time does landfilling result in an exposed face exceeding two (2) metres in vertical height; and
- (h) Cover waste with a final soil cover of at least one (1) metre.

Tyres

- 7. The licence holder shall ensure that:
 - (a) No more than 100 tyres are stored on the premises at one time; and
 - (b) No tyres or burnt tyres are buried at the premises.

FOGO waste transfer station

8. 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.

Site infrastructure and equipment	Operational requirements	Infrastructure location
Hardstanda) The integrity of the surface and bunding (including joining seals) to be maintained free from cracks and defects, and		As depicted in Schedule 1, Figure 2 and Figure 3
	 All liquid runoff, leachate or seepage from the FOGO processing hardstand is to be directed into the lined drainage infrastructure. 	
	 c) Base dimensions of hardstand expanded from 20 m by 30 m to 30 m by 30 m as depicted in Figure 3 	
Drainage infrastructure (Open swale from hardstand to detention	 The integrity of the drainage channel connecting the hardstand to the detention basin to be maintained, and 	As depicted in Schedule 1, Figure 2
basin)	 b) Vegetation and debris (emergent or otherwise) are prevented from blocking or encroaching onto the drainage channel. 	
Detention basin	 a) A freeboard ≥ 500mm is maintained, b) Overtopping of the detention basin does not occur, 	As depicted in Schedule 1, Figure 2
	c) The integrity of the containment infrastructure is maintained,	
	 Vegetation and floating debris (emergent or otherwise) are prevented from encroaching onto the detention basin surface or inner basin embankments, and 	
	 e) Any leachate drained from the detention basin must be removed for disposal or treatment to an appropriately licenced offsite facility. 	

Table 1: FOGO infrastructure and equipment requirements.

Site infrastructure and equipment	Operational requirements	Infrastructure location
Mobile shredder/grinder	 a) Must be maintained in good working order in accordance with the manufacturer's specifications. 	Within the hardstand footprint as depicted in Schedule 1, Figure 2
FOGO shelter	 a) Open-walled, impervious roofed structure constructed over the hardstand. b) FOGO shelter fitted with wire surrounds. c) Stormwater from roof catchment diverted to stormwater basin via existing drain. 	Within the hardstand footprint as depicted in Schedule 1, Figure 3

9. The licence holder shall only accept waste onto to the premises for processing if:

- (a) it is of a type listed in Table 2,
- (b) the quantity accepted is below any quantity limit listed in Table 2, and
- (c) it meets any specification listed in Table 2.

Table 2: FOGO waste acceptance.

Waste type	Rate at which waste is received	Acceptance specification
FOGO	Not more than 5,000 tonnes per	Bulk FOGO waste collected as part of the City of
waste	annual period	Albany's kerbside waste collection service

10. The licence holder must ensure that the waste types specified in Table 2, are only subjected to the corresponding process(es), subject to the corresponding process limits and/or specifications, as set out in Table 3.

Waste type	Process(es)	Pro	ocess limits and/or specifications
FOGO waste	Unloading, decontamination ¹ and/or shredding prior to offsite removal and composting.	a)	All FOGO waste materials must only be processed on the hardstand (as depicted in Schedule 1) or in accordance with item Table 3, process limits and/or specifications, item b.
		b)	For the period 02/09/2024 to 30/09/2024 FOGO waste material may be received, processed and stored at the location depicted in Schedule 1, Figure 4. Licence holder must notify the CEO prior to, and at the completion of FOGO acceptance at the tipping area.
		c)	Storage of FOGO waste is limited to 72-hours from the time of receipt.
		d)	FOGO stockpiles are to be no more than 5m high, 45m long, 10m wide and 2.5m away from the hardstand boundary.
		e)	FOGO stockpile moisture content is to be maintained at 25% or higher.
		f)	FOGO is to contain no more than 10% non- organic content (by weight) prior to removal from site for composting.
		g)	All non-organic and non-conforming waste removed from FOGO is to be contained in a vessel that is able to be covered, sealed and free from leaks.
		h)	All windblown waste is to be removed from fences, access roads and any other affected areas on a weekly basis.
		i)	Shredded FOGO waste is to be transferred to sealed trucks within 12 hours after shredding. Movement of shredded waste around the pad is to be minimised.
		j)	Storage of shredded FOGO waste in sealed trucks is limited to 24-hours from the time of shredding prior to being transported offsite for further processing.
		k)	Shredded and unshredded FOGO shall be damped down or covered during dry, windy conditions.

Table 3: FOGO waste processing

Note 1: Non-organic and non-conforming waste removed as part of FOGO waste decontamination to be collected and disposed of to onsite landfill or an appropriately authorised facility.

- **11.** Where waste does not meet the waste acceptance criteria set out in condition 9, the licence holder must:
 - (a) reject the waste;
 - (b) record the following details of the presented waste:
 - (i) waste (type and description).
 - (ii) source of the waste load.
 - (iii) name of the waste carrier.
 - (iv) registration number of the delivery vehicle.
 - (v) date that the waste load was rejected.

and

- (c) maintain accurate and auditable records of all waste loads rejected from the premises.
- **12.** The licence holder must ensure that where waste does not meet the waste acceptance criteria set out in condition 9, it is removed from the FOGO waste transfer stations by the delivery vehicle or stored in a quarantined storage area or container and transported for disposal to the onsite landfill or removed to an appropriately authorised facility as soon as practicable.

Fencing

- **13.** The licence holder shall maintain a security mesh fence along the Chester Pass Road boundary and a wire stock fence around the remaining perimeter of the premises of the active landfill area, except when there is a lockable gate. The licence holder shall ensure that any entrance to the premises is securely locked when the premises is unattended.
- **14.** The licence holder shall ensure that weekly inspections of the fence and gates referred to in licence condition 13, and any litter screens on the premises are undertaken and that any damage is repaired within two (2) working days of its discovery.

Windblown waste

- **15.** The licence holder shall ensure that all windblown waste is contained within the prescribed premises boundary.
- **16.** The licence holder shall ensure that any windblown waste is removed from the fences and roads within the premises, and any windblown waste emanating from the premises is collected and returned to the active landfill area on a weekly basis.

Emission to air

- **17.** The licence holder shall ensure that no visible dust crosses the premises boundary.
- **18.** The licence holder shall not burn or allow the burning of any waste on the premises.
- **19.** The licence holder shall extinguish any fire that occurs within the premises within eight (8) hours of being notified of the fire.

Discharge to land

Stormwater management

- **20.** The licence holder shall:
 - (a) Ensure stormwater is directed away from the tipping areas;
 - (b) Ensure stormwater is directed into a sedimentation pond prior to its release off the premises or into an infiltration basin on the premises; and
 - (c) Ensure stormwater drains on the premises are kept clear of waste.
- **21.** The licence holder shall ensure that stormwater that has come into contact with waste is diverted into a sump or infiltration basin on the premises or otherwise retained on the premises.

Discharge to water

Groundwater protection

22. The licence holder shall maintain an undisturbed separation distance of at least three (3) metres between the base of the current and future waste disposal areas and the highest level of the groundwater.

Monitoring

Complaints

- **23.** 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.

Groundwater

- **24.** The licence holder shall maintain three (3) monitoring bores around the landfill site, designated BJ1, BJ2 and BJ3 at the locations depicted in Figure 1, to allow representative water samples to be collected.
- **25.** The licence holder shall conduct a monitoring program which measures the parameters stated in column 3 of Table 4, at the frequencies listed in column 2 of Table 4, using the corresponding methods listed in column 4 of Table 4.

Monitoring and sampling locations	Sampling frequency	Parameters to be measured	Methodology
BJ1, BJ2 and	Biannually	Ammonia-nitrogen	AS/NZS 5667.1:1998
BJ3	(March to April	Cadmium	Standard Methods
	and September to October)	Chloride	for Examination of Water and Wastewater - AWWA-WEF-
		Chromium	
		Conductivity	АРНА
		Copper	
		Lead	
		Manganese	
		Nickel	
		Nitrate-nitrogen	
		Potassium	
		Total dissolved solids	
		Total nitrogen	
		Total phosphorus	
		Zinc	
		рН	
		SWL ^{1, 2}	

Table 4: Water monitoring and sampling

Note 1: Standing Water Levels (SWL) to be taken prior to sampling for water quality. Note 2: With the exception of pH, conductivity and SWL, all measurements are to be reported in mg/L.

26. The licence holder shall submit all water monitoring samples to a laboratory with current NATA accreditation for the specified parameters for analysis.

FOGO waste acceptance

27. The licence holder must record the total amount of waste accepted onto and removed from the premises for the waste type listed in Table 5, in the corresponding unit, and for the corresponding time period, as set out in Table 5.

Table 5: Waste input and output monitoring.

Waste type	Units	Time period
FOGO waste	Tonnes	Each load arriving at and leaving the premises.

Reporting conditions

Retention of records

- **28.** The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
 - (a) any maintenance of infrastructure that is performed in the course of complying with condition 8;
 - (b) Loads of waste rejected in accordance with Condition 11 and 12;
 - (c) complaints received under condition 23; and
 - (d) monitoring programmes undertaken in accordance with condition 25 and condition 27.
- **29.** The books specified under condition 28 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.

Annual environmental report

- **30.** The licence holder must provide to the CEO an Environmental Report by 31 January 2024 and biennially thereafter for the preceding two annual periods. The report shall contain, but not necessarily be limited to:
 - (a) An assessment of the premises operation and all data including:
 - (i) Waste acceptance and operations;
 - (ii) Compliance with licence conditions; and
 - (iii) All monitoring data or other collected data required by any condition of this licence, including all previous years' data (data should be provided in tables and in graphical format);
 - (b) Any issues raised from inspections or incident responses during the reporting period together with details as to how these have been addressed and/or rectified.
 - (c) The licence holder shall provide details of:
 - (i) Measures taken to control pests and vermin;

- (ii) Number and severity of any fires onsite;
- (iii) Measures taken to suppress dust;
- (iv) The number and type of complaints received including complainants name, address, nature of complaint (where appropriate cross referenced with prevailing wind directions) and action taken;
- (d) Copies of any original monitoring reports submitted to the licence holder for the reporting period (submitted electronically as separate appendices).

Annual audit compliance report

- **31.** The licence holder must:
 - (a) undertake an audit of their compliance with the conditions of their licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by 31 January in each year an Annual Audit Compliance Report in the approved form.

Definitions

In this licence, the terms in Table 6 have the meanings defined.

Table 6: Definitions

Term	Definition
active landfill area	means the area within the premises which has been, is being, or will be used in the future for burial of waste
AHD	means Australian Height Datum
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates available on the Department's website).
annual period	a 12-month period commencing from 1 January until 31 December of the immediately following year
APHA-AWWA-WEF	means American Public Health Association — American Water Works Association — Water Environment Federation
asbestos	means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite and any mixture containing two or more of those
Australian and New Zealand Guidelines for Fresh and Marine Water Quality (October 2000)	refers to the document with this title published by the Australian and New Zealand Environment and Conservation Council and the Agriculture and Resource Management Council of Australia and New Zealand in October 2000
AS/NZS	means the most recent version (unless otherwise stated) of the specified Australia and New Zealand Standard as jointly published by Standards Australia International Ltd, Sydney and Standards New Zealand, Wellington
AS/NZS 5667	means the most recent version and the relevant parts of the Australian and New Zealand series of guidance standards on Water Quality Sampling
AS/NZS 5667.1	means the current version of 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
AS/NZS 5667.11	means the current version of Australian Standard AS/NZS 5667.11 Water Quality Sampling — Guidance on sampling of groundwaters

Term	Definition
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</i> <i>1986</i> Locked Bag 10 Joondalup DC WA 6919
	or:
	info@dwer.wa.gov.au
clean fill	as defined in the Landfill Definitions
clinical waste	means waste generated by medical, nursing,
	dental, veterinary, pharmaceutical, or other related activity which is —
	(a) poisonous or infectious; or
	(b) likely to cause injury to public health; or
	(c) contains human tissue or body parts
cover material	means subsoil or other approved inert waste used for covering of waste
Department	means the department established under section 35 of the <i>Public</i> Sector Management Act 1994 (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	Environmental Protection Act 1986 (WA)
EP Regulations	Environmental Protection Regulations 1987 (WA)
FOGO waste	means a source separated mixture of food organics and garden organics collected from bins designated for this purpose
garden waste or green waste	means biodegradable waste comprising plants and their component parts such as flower cuttings, hedge trimmings, branches, grass, leaves, plants, seeds, shrub, and tree loppings, tree trunks, tree stumps and similar materials and includes any mixture of those materials
Inert waste Type 1	as defined in the Landfill Definitions
Inert waste Type 2	as defined in the Landfill Definitions

Term	Definition
Landfill Definitions	refers to the <i>Landfill Waste Classification and Waste Definitions</i> 1996, as amended from time to time
Litter screen	means a chicken wire fence, with a maximum hole aperture of 50millimetres and at least 1.8 metres in height
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
mg/L	means milligrams per litre
municipal waste	means waste collected at the kerbside by the local authority collection vehicle or its contractor
NATA	means Australian National Association of Testing Authorities
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 Schedule 1 to this licence
prescribed premises	has the same meaning given to that term under the EP Act
putrescible waste	component of the waste stream likely to become putrid – including wastes that contain organic materials such as food wastes or wastes of animal or vegetable origin, which readily bio- degrade within the environment of a landfill
quarantine waste	means material from a foreign region or country that is capable of being host to insects, helminths or other parasites, diseases, weeds or any other organisms that are not existent or prevalent in this country and pose a potential threat to local ecosystems, people or local plant or animal industries. Quarantine waste may include:
	a. material used to pack and stabilise imported goods;
	b. galley, food and any other waste brought into Australia;
	c. animal or plant waste brought into Australia;
	d. refuse or sweepings from a hold of an overseas vessel;
	e. any other waste or other material, which comes into contact with quarantine waste;
	f. contents of airport biosecurity amnesty bins; and
	g. articles seized by biosecurity officers and/or not collected by clients.

Term	Definition
security mesh fence	means a 'cyclone' style of fence with a minimum height of 1.8 metres and topped with 3 strands of barbed wire
special waste type 1	as defined in the Landfill Definitions
special waste type 2	as defined in the Landfill Definitions
Standard Methods for Examination of Water and Wastewater -AWWA- WEF-APHA	means the Standard Methods for the Examination of Water and Wastewater, jointly published by the American Water Works Association (AWWA), the Water Environment Federation (WEF) and the American Public Health Association (APHA)
SWL	or 'standing water level' means the water level of any surface water or in any piezometer measured prior to sampling and expressed in metres AHD
tipping area	means the area of the premises where waste (other than greenwaste) currently being brought to the premises is being deposited for burial
wire stock fence	means a fence at least 1.2 metres in height which is constructed from 5 strand plain or barbed wire or a ring-lock fence with at least one strand of plain or barbed wire on top
waste	has the same meaning given to that term under the EP Act

END OF CONDITIONS

Schedule 1: Maps

Premises map

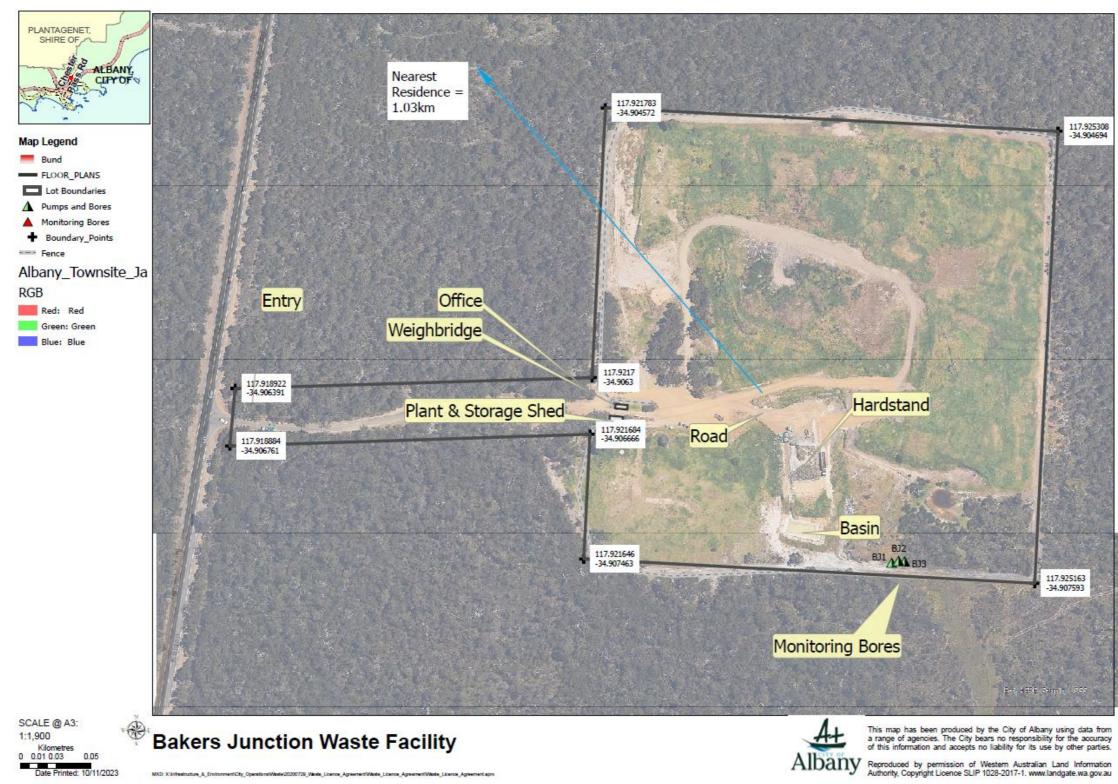


Figure 1: Map of the boundary of the prescribed premises.

BAKERS JUNCTION LANDFILL SITE F.O.G.O. HARDSTAND AND DETENTION BASIN AS CONSTRUCTED SURVEY

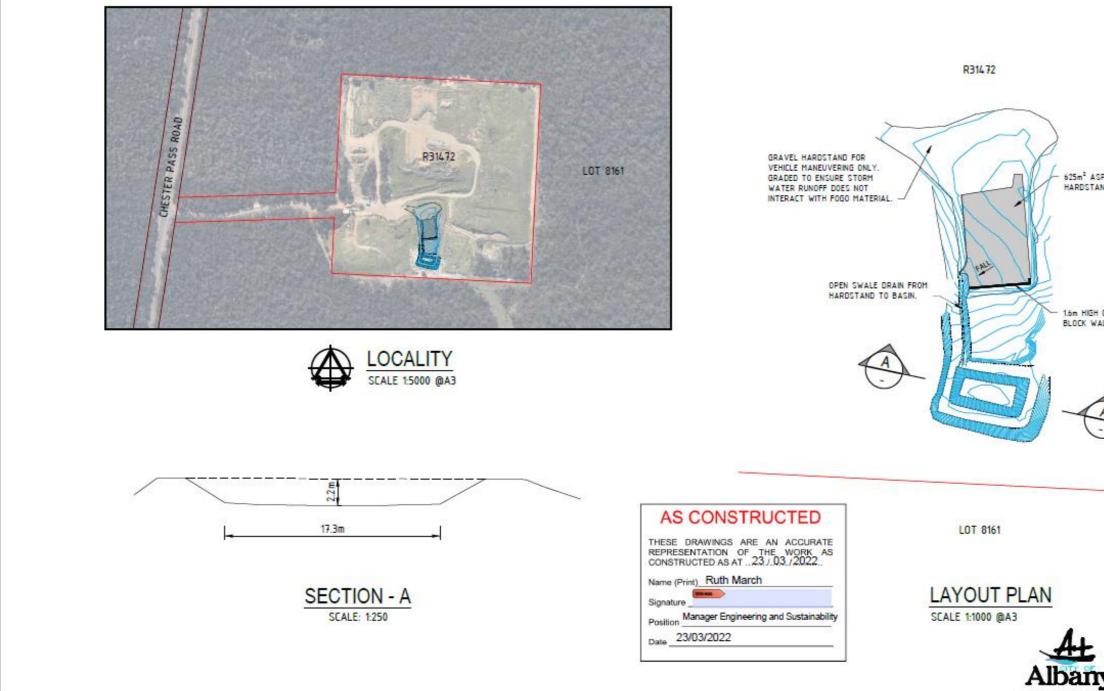


Figure 2: FOGO waste processing infrastructure layout.

J
HALT D
ONCRETE L.
102 NORTH ROAD, YAKAMA WA 6330 PO BOX 464 ALBANY WA 6331 Tel: (06) 6820 3000 Emelt: cityssets@olbany.ws.gov.au Wabele: www.elbany.ws.gov.au

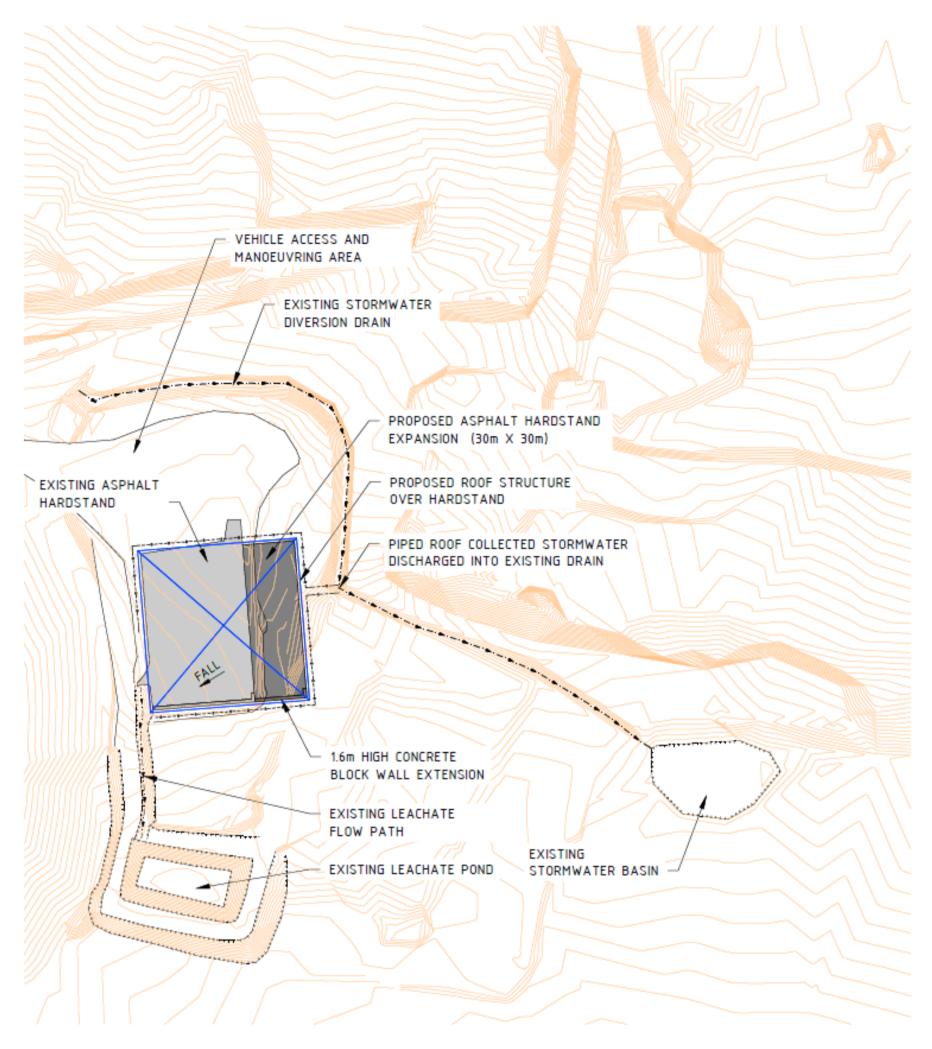


Figure 3: FOGO hardstand improvements.

