



Application form: Works Approval / Licence / Renewal / Amendment / Registration

Part V Division 3, *Environmental Protection Act 1986*
Environmental Protection Regulations 1987

Part 1: Application type

INSTRUCTIONS:

- Completion of this form is a statutory requirement under s.54(1)(a) of the *Environmental Protection Act 1986 (WA) (EP Act)* for works approval applications; s.57(1)(a) for licence and licence renewal applications; s.59B(1)(a) for applications for an amendment; and under r.5B(2)(a) of the *Environmental Protection Regulations 1987 (WA) (EP Regulations)* for applications for registration of premises.
- The instructions set out in this application form are general in nature.
- A reference to 'you' in these instructions is a reference to the applicant.
- The information provided to you by the Department of Water and Environmental Regulation (DWER) in relation to making applications does not constitute legal advice. DWER recommends that you obtain independent legal advice.
- Applicants seeking further information relating to requirements under the EP Act and/or EP Regulations are directed to the Parliamentary Counsel's Office website (www.legislation.wa.gov.au). Schedule 1 of the EP Regulations contains the categories of prescribed premises.
- For prescribed premises where activities fall within more than one category, ALL applicable categories must be identified. This applies for existing prescribed premises seeking renewal or amendment, as well as new prescribed premises.
- The application form must be completed with all relevant information attached. Attachments can be combined and submitted as one or more consolidated documents if desired, provided it is clear which section of the application form the information / attachments relate to. Where attachments are submitted separately, avoid duplicating information. Ensure that any cross-references between the application form and the supporting document(s) are accurate.
- If an application form has been submitted which is incomplete or materially incorrect, the Chief Executive Officer of DWER (CEO) will decline to deal with the application and advise the applicant accordingly.
- On completing this application form, please submit it to DWER in line with the instructions in Part 15 of the form.

1.1 This is an application for:
[Select one option only. Your application may be returned if multiple options are selected.]

under Part V, Division 3 of the EP Act.

Please see the:

- [Guideline: Industry Regulation Guide to Licensing](#)
- [Procedure: Prescribed premises works approvals and licences](#)

for more information to assist in understanding DWER's regulatory regime for prescribed premises.

Works approval

Licence

Existing registration number(s): []

Existing works approval number(s): []

Renewal

Existing licence number: []

Amendment

Number of the existing licence or works approval to be amended: []

Registration (works approval already obtained)

Existing works approval number(s): []

1.2 For a works approval amendment or licence amendment, are there less than 90 business days until the expiry of the existing works approval or licence?

Only active instruments can be amended. Applications to amend a works approval or licence must be made 90 business days or more prior to the existing works approval or licence expiring to ensure there is adequate time to assess the amendment.

Yes

1.3 This application is for the following categories of prescribed premises:
(specify all prescribed premises category numbers)

61 and 62

All activities that meet the definition of a prescribed premises as set out in Schedule 1 of the EP Regulations have been specified above (tick, if yes).

Completion Matrix

The matrix below explains what sections are required to be completed for different types of applications.

Application form section	New application / registration	Renewal	Amendment
Part 1: Application type	•	•	•
Part 2: Applicant details	•	•	•
Part 3: Premises details	•	•	△
Part 4: Proposed activities	•	•	•
Part 5: Index of Biodiversity Surveys for Assessment and Index of Marine Surveys for Assessment	If required.	If required.	If required.
Part 6: Other DWER approvals	•	•	•
Part 7: Other approvals and consultation	•	•	•
Part 8: Applicant history	•	•	△
Part 9: Emissions, discharges, and waste	•	•	△
Part 10: Siting and location	•	•	△
Part 11: Submission of any other relevant information	•	•	If required.
Part 12: Category checklist(s)	•	•	•
Part 13: Proposed fee calculation	•	•	•
Part 14: Commercially sensitive or confidential information	•	•	•
Part 15: Submission of application	•	•	•
Part 16: Declaration and signature	•	•	•
Attachment 1A: Proof of occupier status	•	•	N/A
Attachment 1B: ASIC company extract	•	•	N/A
Attachment 1C: Authorisation to act as a representative of the occupier	•	•	•
Attachment 2: Premises map/s	•	•	△
Attachment 3A: Environmental commissioning plan	If required.	N/A	If required
Attachment 3B: Proposed activities	•	•	△
Attachment 3C: Map of area proposed to be cleared (only applicable if clearing is proposed)	•	•	•
Attachment 3D: Additional information for clearing assessment	If required.	If required.	If required.
Attachment 4: Marine surveys (only applicable if marine surveys included in application)	•	•	•
Attachment 5: Other approvals and consultation documentation	•	•	△
Attachment 6A: Emissions and discharges	If required.	If required.	If required.
Attachment 6B: Waste acceptance	If required.	If required.	If required.
Attachment 7: Siting and location	•	•	△
Attachment 8: Additional information submitted	If required.	If required.	If required.
Attachment 9: Category-specific checklist(s)	•	If required.	If required.
Attachment 10: Proposed fee calculation	•	•	•
Attachment 11: Request for exemption from publication	If required.	If required.	If required.

Key:

• Must be completed / submitted.

△ To the extent changed / required in relation to the amendment.

N/A Not required with application, but may be requested subsequently depending on DWER records.

"If required" Sections for applicants to determine.

Part 2: Applicant details**INSTRUCTIONS:**

- The applicant (the occupier of the premises) must be an individual(s), a company, body corporate, or public authority, but not a partnership, trust, or joint-venture name. Applications made by or on behalf of business names or unincorporated associations will not be accepted.
- If applying as an individual, your full legal name must be provided.
- If applying as a company, body corporate, or public authority, the full legal entity name must be inserted.
- Australian Company Number's (ACN) must be provided for all companies or body corporates.
- DWER prefers to send all correspondence electronically via email. We request that you consent to receiving all correspondence relating to instruments and notices under Part V of the EP Act (Part V documents) electronically via email, by indicating your consent in Section 2.3.
- Companies or body corporates making an application must nominate an authorised representative from within their organisation. Proof of authorisation must be submitted with the application (see Section 2.10). If you are applying as an individual, you are the representative.
- Details of a contact person must be provided for DWER enquiries in relation to your application. This contact person can be a consultant if authorised to represent the applicant. Written evidence of this authorisation must be provided.
- Details of the occupier of the premises must be provided. One of the options must be selected and if you have been asked to specify, please provide details. For example, if 'lease holder' has been selected, please specify the type of lease (for example, pastoral lease, mining lease, or general lease) and provide a copy of the lease document(s). Note that contracts for sale of land will not be sufficient evidence of occupancy status.

2.1	Applicant name/s (full legal name/s): The proposed holder of the works approval, licence or registration.	Western Resource Recovery Pty Ltd		
	ACN (if applicable):	099 144 180		
2.2	Trading as (if applicable):	Western Resource Recovery		
2.3	Authorised representative details: The person authorised to receive correspondence and Part V documents on behalf of the applicant under the EP Act. Where 'yes' is selected, all correspondence will be sent to you via email, to the email address provided in this section. Where 'no' has been selected, Part V documents will be posted to you in hard copy to the postal / business address specified in Section 2.4, below. Other general correspondence may still be sent to you via email.	Name		
		Position		
		Telephone		
		Email		
		<i>I consent to all written correspondence between myself (the applicant) and DWER, regarding the subject of this application, being exclusively via email, using the email address I have provided above.</i>	Yes	No
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Registered office address, as registered with the Australian Securities and Investments Commission (ASIC): This must be a physical address to which a Part V document may be delivered.	Level 4, Bay Centre 65 Pirrama Road PYRMONT NSW 2009		
2.5	Postal address for all other correspondence: If different from Section 2.4.	113 Ewing Street WELSHPOOL WA 6106		

Part 2: Applicant details				
2.6	Contact person details for DWER enquiries relating to the application (if different from the authorised representative): For example, could be a consultant or a site-based employee.	Name	As Above	
		Position		
		Organisation		
		Address		
		Telephone		
		Email		
2.7	Occupier status: Occupier is defined in s.3 of the EP Act and includes a person in occupation or control of the premises, or occupying a different part of the premises whether or not that person is the owner. Note: if a lease holder, the applicant must be the holder of an executed lease, not just an agreement to lease.	Registered proprietor on certificate of title.	<input checked="" type="checkbox"/>	
		Lease holder (please specify, including date of expiry of lease).	<input type="checkbox"/>	
		Public authority that has care, control, or management of the land.	<input type="checkbox"/>	
		Other evidence of legal occupation or control (please specify – for example, joint venture operating entity, contract, letter of operational control, or other legal document or evidence of legal occupation).	<input type="checkbox"/>	
Attachments			N/A	Yes
2.8	Attachment 1A: Proof of occupier status	Copies of certificate of title, lease, or other instruments evidencing proof of occupier status, including the expiry date or confirmation that there is no expiry date, have been provided and labelled as Attachment 1A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.9	Attachment 1B: ASIC company extract	A current company information extract (not the company information summary) purchased from the ASIC website(s) for all new applications / registrations has been provided and labelled as Attachment 1B.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.10	Attachment 1C: Authorisation to act as representative of the occupier	A copy of the documentation authorising the applicant to act on the occupier's behalf as their authorised agent/representative has been provided and labelled as Attachment 1C.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 3: Premises details			
3.1	<p>Premises description (whole or part to be specified): Include the land description (volume and folio number, lot, or location number/s); Crown lease or reserve number; pastoral lease number; or mining tenement number (as appropriate), of all properties, as shown on title details registered with Landgate.</p> <p>Premises street address Include the suburb.</p> <p>Premises name (if applicable):</p>	<p>Lot 278 Plan 3033</p> <p>113 Ewing Street, WELSHPOOL WA 6106</p> <p>Western Resource Recovery</p>	
3.2	<p>Local Government Authority area: City, Town, or Shire.</p>	City of Canning	
3.3	<p>GPS (latitude and longitude) coordinates: GPS coordinates determined using the GDA 2020 (Geographic latitude / longitude) coordinate system and datum must be provided for all points around the proposed premises boundary, where the entirety of the cadastre (land parcel) or mining tenements are not used as the premises boundary.</p>	<p>Lat: 31.996175 Long: 115.93451</p>	
Attachments		N/A	Yes
3.4	<p>Attachment 2: Premises map(s) You must provide as an attachment to this application form, labelled Attachment 2, either:</p> <ol style="list-style-type: none"> an aerial photograph, map, and site plan of sufficient scale showing the proposed prescribed premises boundary or where available, a map of the proposed premises boundary and site plan as an ESRI shapefile (accepted file types include .dbf, .shp, .prj, and .shx) with the following properties (provided on a suitable portable digital storage device, if submitting application in hard copy form): <ul style="list-style-type: none"> Geometry type: Polygon Shape Coordinate system: GDA 2020 (Geographic latitude / longitude) Datum: GDA 2020 (Geocentric Datum of Australia 2020). <p>You must also provide a map or maps of the prescribed premises, clearly identifying and labelling:</p> <ul style="list-style-type: none"> layout of key infrastructure and buildings, clearly labelled; the premises boundary (where the premises boundary does not align with the entirety of the cadastral boundary, identify the Lot Number for which the premises is part of); emission and discharge points (with precise GPS coordinates where available); monitoring points (with precise GPS coordinates where available); sensitive receptors and land uses all areas proposed to be cleared (if applicable). <p>Maps must contain a north arrow, clearly marking the area in which the activities are carried out. The map or maps must be of reasonable clarity and have a visible scale.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Infrastructure and equipment	Relevant categories (if known)	Site plan reference	CCI? (mark if yes)	Environmental commissioning? (mark if yes)
1.	Refer to the attached Supporting Document			<input type="checkbox"/>	<input type="checkbox"/>
2.				<input type="checkbox"/>	<input type="checkbox"/>
3.				<input type="checkbox"/>	<input type="checkbox"/>
4.				<input type="checkbox"/>	<input type="checkbox"/>
5.				<input type="checkbox"/>	<input type="checkbox"/>
6.				<input type="checkbox"/>	<input type="checkbox"/>
7.				<input type="checkbox"/>	<input type="checkbox"/>
8.				<input type="checkbox"/>	<input type="checkbox"/>
9.				<input type="checkbox"/>	<input type="checkbox"/>
10.				<input type="checkbox"/>	<input type="checkbox"/>

Part 4: Proposed activities

INSTRUCTIONS:

- You must provide a description and the scope, size and scale of all prescribed activities of Schedule 1 to the EP Regulations including the maximum production or design capacity of each prescribed activity.
- If applying for a works approval or licence amendment involving the construction of new infrastructure, you must provide information on infrastructure to be constructed and how long construction is expected to take. You must confirm if commissioning is to occur and how long it will take.
- If applying for a works approval or licence amendment not involving the construction of new infrastructure, provide details of the proposed amendment.
- You must identify all emission sources on the premises map/s.
- You must also provide information on activities which directly relate to the prescribed premises category which have, or are likely to result in, an emission or discharge.
- If clearing activities are proposed provide a description and details. If a relevant exemption under Schedule 6 of the EP Act or r.5 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004 (WA) (Clearing Regulations) may apply, provide details.
- Note that in some cases, DWER may require that the clearing components of a works approval or licence (or amendment) application be submitted separately through the clearing permit application process. Refer to the [Procedure: Prescribed premises works approvals and licences](#) for further guidance.
- Please note that the requested information is critical to DWER's understanding of the proposed activities. The more accurate, specific, and complete the information provided in the application, the less uncertainty that DWER may identify in the application, therefore facilitating completion of the assessment in a more efficient and timely manner.

Department of Water and Environmental Regulation

4.1 Prescribed premises infrastructure and equipment

In Table 4.1 (below), provide a list of all items of infrastructure and equipment within the boundary of the prescribed premises relevant to this application, and include the following details for each:

- **relevant categories (if known)** – the categories of prescribed premises (as listed under Schedule 1 of the EP Regulations) that relate to that infrastructure or equipment;
- **site plan reference** – the location of that infrastructure or equipment (with reference to the site plan map or maps provided above in Section 3.4 and labelled as Attachment 2 – e.g. use GPS coordinates or a clear description such as “labelled as [label on premises map] on Map A”);
- **is it critical containment infrastructure (CCI)?** – indicate if the identified infrastructure or equipment would be categorised as CCI. Refer to the [Guideline: Industry Regulation Guide to Licensing](#) for further information on CCI; and
- **is environmental commissioning required?** – indicate if environmental commissioning is intended to be undertaken for that item of infrastructure or equipment. Refer to the [Guideline: Industry Regulation Guide to Licensing](#) for further information on environmental commissioning.

Add additional rows to Table 4.1 (below) as required.

Table 4.1: Infrastructure and equipment

Part 4: Proposed activities	
4.2	<p>Detailed description of proposed activities or proposed changes (if an amendment): You must provide details of proposed activities relevant to this application within the boundary of the prescribed premises, identifying:</p> <ul style="list-style-type: none"> ● scope, size, and scale of the project, including details as to production or design capacity (and/or frequency, if applicable); ● key infrastructure and equipment; ● description of processes or operations (a process flow chart may be included as an attachment); ● emission / discharge points; ● locations of waste storage or disposal ● activities occurring during construction, environmental commissioning, and operation (if applicable). <p>If assessment and imposition of conditions to allow environmental commissioning to be undertaken are requested, please provide an environmental commissioning plan as Attachment 3A (see 4.11 below). Additional information relating to the proposed activities may be included in Attachment 3B (see 4.12 below).</p> <p>Construction activities (if applicable): Refer to the attached Supporting Document</p> <p>Environmental commissioning activities (if applicable): Refer to the Guideline: Industry Regulation Guide to Licensing for further guidance. Nil</p> <p>Time limited operations activities (if applicable): Different elements of the premises may require time limited operations to commence at different times. In these circumstances, please specify the infrastructure and/or equipment for which time limited operations authorisation is being applied for. If time limited operations are expected to differ from future licensed operations, specify how and why this would be the case. Refer to the Guideline: Industry Regulation Guide to Licensing for further guidance. Refer to the attached Supporting Document</p> <p>Operations activities (for a licence): Refer to the attached Supporting Document</p>
4.3	<p>Estimated operating period of the project / premises (e.g. based on estimated infrastructure life): +20 years</p>
4.4	<p>Proposed date(s) for commencement of works (if applicable): ASAP on receipt of the Works Approval</p>
4.5	<p>Proposed date(s) for conclusion of works construction (if applicable): 3 months after commencement</p> <p>This date should coincide with the submission to DWER of an Environmental Compliance Report(s) and/or a Critical Containment Infrastructure Report(s) as required. Refer to the Guideline: Industry Regulation Guide to Licensing.</p>
4.6	<p>Proposed date(s) for environmental commissioning of works (if applicable): Not applicable</p> <p>Refer to the Guideline: Industry Regulation Guide to Licensing.</p>
4.7	<p>Proposed date/s for commencement of time limited operations under works approval (if applicable): On completion of construction</p> <p>Refer to the Guideline: Industry Regulation Guide to Licensing.</p>

Part 4: Proposed activities				
4.8	Maximum production or design capacity for each category applied for (based on infrastructure operating 24 hours a day, 7 days a week): Provide figures for all categories listed in Section 1.2. Units of measurement must be the same as the units of measurement associated with the relevant category as identified in Schedule 1 of the EP Regulations.		As per the existing facility licence quantities	
4.9	Estimated / actual throughput for each category applied for: Provide figures for all categories listed in Section 1.2. Units of measurement must be the same as the units of measurement associated with the relevant category as identified in Schedule 1 of the EP Regulations.		As per the existing facility licence quantities	
Attachments			N/A	Yes
4.10	Attachment 2: Premises map	Emission/discharge points are clearly labelled on the map/s required for Part 3.4 (Attachment 2).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.11	Attachment 3A: Environmental commissioning plan	If applying to construct works or install equipment, and environmental commissioning of the works or equipment is planned, an environmental commissioning plan has been included in Attachment 3A. The environmental commissioning plan is expected to include, at minimum, identification of: <ul style="list-style-type: none"> the sequence of commissioning activities to be undertaken, including details on whether they will be done in stages; a summary of the timeframes associated with the identified sequence of commissioning activities; the inputs and outputs that will be used in the commissioning process; the emissions and/or discharges expected to occur during commissioning; the emissions and/or discharges that will be monitored and/or confirmed to establish or test a steady-state operation (e.g. identifying emissions surrogates, etc.), including a detailed emissions monitoring program for the measurement of those emissions and/or discharges; the controls (including management actions) that will be put in place to address the expected emissions and/or discharges; any contingency plans for if emissions exceedances or unplanned emissions and/or discharges occur how any of the above would differ from standard operations once commissioning is complete. Note that DWER will not include conditions on a granted instrument that authorise environmental commissioning activities where it is not satisfied that the risks associated with environmental commissioning can be adequately addressed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.12	Attachment 3B: Proposed activities	Additional information relating to the proposed activities has been included in Attachment 3B (if required).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Clearing activities				
4.13 to 4.19 are only required if the application includes clearing of native vegetation.				
4.13	Proposed clearing area (hectares and/or number of individual trees to be removed):		Not applicable	
4.14	Details of any relevant exemptions: Refer to DWER's A guide to the exemptions and regulations for clearing native vegetation .		Not applicable	
4.15	Proposed method of clearing:		Not applicable	

Part 4: Proposed activities			
4.16	Period within which clearing is proposed to be undertaken: For example, May 2020 – June 2020.	Not applicable	
4.17	Purpose of clearing: Not applicable		
Clearing activities – Attachments		N/A	Yes
4.18	Attachment 3C: Map of area proposed to be cleared You must provide: an aerial photograph or map of sufficient scale showing the proposed clearing area and prescribed premises boundary OR if you have the facilities, a suitable portable digital storage device of the area proposed to be cleared as an ESRI shapefile with the following properties: <ul style="list-style-type: none"> • Geometry type: Polygon Shape • Coordinate system: GDA 2020 (Geographic latitude / longitude) • Datum: 2020 1994 (Geocentric Datum of Australia 2020). 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.19	Attachment 3D: Additional information for clearing assessment Additional information to assist in the assessment of the clearing proposal may be attached to this application (for example, reports on salinity, fauna or flora studies or other environmental reports conducted for the site).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 5: Index of Biodiversity and Marine Surveys for Assessments (IBSA and IMSA)				
INSTRUCTIONS:				
<ul style="list-style-type: none"> • Biodiversity surveys should be submitted through the IBSA Submissions Portal at ibsasubmissions.dwer.wa.gov.au • Biodiversity surveys submitted to support this application must meet the requirements of the EPA's <i>Instructions for the preparation of data packages for the Index of Biodiversity Surveys for Assessments (IBSA)</i>. • Marine surveys submitted to support this application must meet the requirements of the EPA's <i>Instructions for the preparation of data packages for the Index of Marine Surveys for Assessments (IMSA)</i>. • If these requirements are not met, DWER will decline to deal with the application. 				
Attachments		N/A	Yes	
5.1	Biodiversity surveys Please provide the IBSA number(s) (or submission number(s) if IBSA number has not yet been issued) in the space provided. Note that a submission number is not confirmation of acceptance of a biodiversity survey and is not the same as an IBSA number. IBSA numbers are only issued once a survey has been accepted. Once an IBSA number is issued, please notify the department.	All biodiversity surveys submitted with this application meet the requirements of the EPA's Instructions for the preparation of data packages for the Index of Biodiversity Surveys for Assessments (IBSA) . Submission number(s) Not applicable IBSA number(s) Not applicable	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5.2	Attachment 4: Marine surveys All marine surveys submitted with this application meet the requirements of the EPA's Instructions for the preparation of data packages for the Index of Marine Surveys for Assessments (IMSA) .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Part 6: Other DWER approvals**INSTRUCTIONS:**

- If you have applied, or intend to apply, for other approvals within DWER that may be relevant to this application, you must provide relevant details.
- If you have referred, or intend to refer, your proposal to the Environmental Protection Authority (EPA), you must provide the requested details.

Pre-application scoping

6.1 Have you had any pre-application / pre-referral / scoping meetings with DWER regarding any planned applications?

- No
- Yes – provide details:

Environmental impact assessment (Part IV of the EP Act)

6.2 Have you referred or do you intend to refer the proposal to the EPA?

Section 37B(1) of the EP Act defines a 'significant proposal' as 'a proposal likely, if implemented, to have a significant effect on the environment'.

If DWER considers that the proposal in this application is likely to constitute a 'significant proposal', DWER is required under s.38(5) of the EP Act to refer the proposal to the EPA for assessment under Part IV, if such a referral has not already been made.

If a relevant Ministerial Statement already exists, please provide the MS number in the space provided.

- Yes (referred) – reference (if known): []
- Yes – intend to refer (proposal is a 'significant proposal') Yes – intend to refer (proposal will require a s.45C amendment to the current Ministerial Statement): MS []
- No – a valid Ministerial Statement applies: MS []
- No – not a 'significant proposal'

Clearing of native vegetation (Part V Division 2 of the EP Act and Country Area Water Supply Act 1947)

6.3 Have you applied or do you intend to apply for a native vegetation clearing permit?

In accordance with the [Guideline: Industry Regulation Guide to Licensing and Procedure: Native vegetation clearing permits](#), where clearing of native vegetation:

- is exempt under Schedule 6 of the EP Act or the Environmental Protection (Clearing of Native Vegetation) Regulations 2004 (WA) (refer to [a guide to the exemptions and regulations for clearing native vegetation](#))
- is being assessed by a relevant authority which would lead to an exemption under Schedule 6 of the EP Act, or
- has been referred under s.51DA of the EP Act and a determination made that a clearing permit is not required (refer to the [Guideline: Native vegetation clearing referrals](#)).

the clearing will not be reassessed by DWER or be subject to any additional controls by DWER.

If the proposed clearing action is to be assessed in accordance with, or under, an *Environment Protection and Biodiversity Conservation Act* (Cth) (EPBC Act) accredited process, such as the assessment bilateral agreement, the clearing permit application [Form Annex C7 – Assessment bilateral agreement](#) must be completed and attached to your clearing permit application.

- Yes – clearing application reference (if known): CPS []
- Yes – a valid EP Act clearing permit already applies: CPS []
- No – this application includes clearing (please complete Sections 4.13 to 4.19 above)
- No – permit not required (no clearing of native vegetation)
- No – permit not required (clearing referral decision): CPS []
- No – an exemption applies (explain why):

Part 6: Other DWER approvals**6.4 Have you applied or do you intend to apply for a Country Area Water Supply Act 1947 licence?**

If a clearing exemption applies in a *Country Area Water Supply Act 1947* (CAWS Act) controlled catchment, or if compensation has previously been paid to retain the subject vegetation, a CAWS Act clearing licence is required.

If yes, contact the relevant DWER regional office for a Form 1 *Application for licence*.

[Map of CAWS Act controlled catchments](#)

Yes – application reference (if known): []

No – a valid licence applies: []

No – licence not required

Water licences and permits (*Rights in Water and Irrigation Act 1914*)**6.5 Have you applied, or do you intend to apply for:**

1. a licence or amendment to a licence to take water (surface water or groundwater); or
2. a licence to construct wells (including bores and soaks); or
3. a permit or amendment to a permit to interfere with the bed and banks of a watercourse?

For further guidance on water licences and permits under the *Rights in Water and Irrigation Act 1914*, refer to the [Procedure: Water licences and permits](#).

Yes – application reference (if known): []

No – a valid licence / permit applies: []

No – an exemption applies (explain why):

No – licence / permit not required

Part 7: Other approvals and consultation**INSTRUCTIONS:**

- Please provide copies of all relevant documentation indicated below, including any conditions, exclusions, or expiry dates.
- "Major Project" means:
 - > A State Development Project, where the lead agency is the Department of Jobs, Tourism, Science and Innovation (including projects to which a State Agreement applies); or
 - > A Level 2 or 3 proposal, as defined in the Department of Premier and Cabinet's [Lead Agency Framework](#).

	N/A	No	Yes
7.1 Is the proposal a Major Project?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.2 Is the proposal subject to a State Agreement Act?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, specify which Act:			
7.3 Has the proposal been allocated to a "Lead Agency" (as defined in the Lead Agency Framework)?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, specify Lead Agency contact details:			
7.4 Has the proposal been referred and/or assessed under the EPBC Act (Commonwealth)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, please specify referral, assessment and/or approval number:			
7.5 Has the proposal obtained all relevant planning approvals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If planning approval is necessary but has not been obtained, please provide details indicating why:			
<div style="border: 1px solid black; height: 20px;"></div>			
If planning approval is not necessary, please provide details indicating why:			
<div style="border: 1px solid black; height: 20px;"></div>			

Part 7: Other approvals and consultation					
7.6	For renewals or amendment applications, are the relevant planning approvals still valid (that is, not expired)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.7	Has the proposal obtained all other necessary statutory approvals (not including any other DWER approvals identified in Part 6 of this application)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, please provide details of approvals already obtained, outstanding approvals, and expected dates for obtaining these outstanding approvals:					
		N/A	No	Yes	
7.8	Has consultation been undertaken with parties considered to have a direct interest in the proposal (that is, interested parties or persons who are considered to be directly affected by the proposal)? DWER will give consideration to submissions from interested parties or persons in accordance with the Guideline: Industry Regulation Guide to Licensing .	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Attachments		N/A	Yes		
7.9	Attachment 5: Other approvals and consultation documentation	Details of other approvals specified in Part 7 of this application, including copies of relevant decisions and any consultation undertaken with direct interest stakeholders have been provided and labelled Attachment 5.		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 8: Applicant history				
Note:				
<ul style="list-style-type: none"> DWER will undertake an internal due diligence of the applicant's fitness and competency based on DWER's compliance records and the responses to Part 8 of the form. If you wish to provide additional information for DWER to consider in making this assessment, you may provide that information as a separate attachment (see Part 11). 				
		N/A	No	Yes
8.1	If the applicant is an individual, has the applicant previously held, or do they currently hold, a licence or works approval under Part V of the EP Act?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.2	If the applicant is a corporation, has any director of that corporation previously held, or do they currently hold, a licence or works approval under Part V of the EP Act?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.3	If yes to 8.1 or 8.2 above, specify the name of company and/or licence or works approval number: <input type="text"/>			
8.4	If the applicant is an individual, has the applicant ever been convicted, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.5	If the applicant is a corporation, has any director of that corporation ever been convicted, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.6	If the applicant is a corporation, has any person concerned in the management of the corporation, as referred to in s.118 of the EP Act, ever been convicted of, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.7	If the applicant is a corporation, has any director of that corporation ever been a director of another corporation that has been convicted, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 8: Applicant history				
8.8	With regards to the questions posed in 8.4 to 8.7 above, have any legal proceedings been commenced, whether convicted or not, against the applicant for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.9	Has the applicant had a licence or other authority suspended or revoked due to a breach of conditions or an offence under the EP Act or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.10	If the applicant is a corporation, has any director of that corporation ever had a licence or other authority suspended or revoked due to a breach of conditions or an offence under the EP Act or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.11	If the applicant is a corporation, has any director of that corporation ever been a director of another corporation that has ever had a licence or other authorisation suspended or revoked due to a breach of conditions or an offence under the EP Act or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.12	If yes to any of 8.4 to 8.11 above, you must provide details of any charges, convictions, penalties paid for an offence, and/or licences or other authorisations suspended or revoked: N/A			

Part 9: Emissions, discharges, and waste		
INSTRUCTIONS:		
<ul style="list-style-type: none"> Please see Guideline: Risk Assessments and provide all information relating to emission sources, pathways and receptors relevant to the application. You must provide details on sources of emissions (for example, kiln stack, baghouses or discharge pipelines) including fugitive emissions (for example, noise, dust or odour), types of emissions (physical, chemical, or biological), and volumes, concentrations and durations of emissions. The potential for emissions should be considered for all stages of the proposal (where relevant), including during construction, commissioning and operation of the premises. 		
		No Yes
9.1	Are there potential emissions or discharges arising from the proposed activities?	<input type="checkbox"/> <input checked="" type="checkbox"/>
If yes, identify all potential emissions and discharges arising from the proposed activities and complete Table 9.1: Emissions and discharges (below).		

	Source of emission or discharge	Emission or discharge type	Volume and frequency	Proposed controls (include in Attachment 6A if extensive or complex)	Location (on site layout plan – see 3.4)
1.	Refer to the attached Supporting Document				
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					

Part 9: Emissions, discharges, and waste

- Gaseous and particulate emissions (e.g. emissions from stacks, chimneys or baghouses) and/or stockpiles, etc.)
- Dust (e.g. from equipment, unsealed roads and/or stockpiles, etc.)
- Wastewater discharges (e.g. treated sewage, or process water discharged to lands: seepage, leaks and spills of waste from storage, or waters) process and handling areas, etc.)
- Waste and leachate (e.g. emissions through wash process and handling areas, etc.)
- Noise (e.g. from machinery operations and/or vehicle operations)
- Odour (e.g. from wastes accepted at putrescible landfills, storage or processing of waste or other odorous materials, etc.)
- Contaminated or potentially contaminated stormwater (e.g. stormwater with the potential to come into contact with chemicals or waste materials, etc.)
- Electromagnetic radiation¹
- Other (please specify): []

¹ Note that for electromagnetic radiation, copies/details of other relevant approvals (such as from the Department of Mines, Industry Regulation and Safety or the Radiological Council) must be provided where applicable.

Department of Water and Environmental Regulation

Details of any pollution control equipment or waste treatment system, including any control mechanisms used to ensure proper operation of this equipment, must be included in the proposed controls column of the 'Emissions and discharges table' below. Details of management measures employed to control emissions should also be included. Please provide / attach any relevant documents (e.g. management plans, etc.). Additional rows may be added as required and/or further information may be included as an attachment (see Section 9.3).

Table 9.1: Emissions and discharges

9.2 Waste-related activities at the premises ²		No	Yes
Answer "yes" or "no" for the following questions and complete Table 9.2 (below).			
(a)	Is waste accepted at the premises?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(b)	Is waste produced on the premises?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c)	Is waste processed on the premises?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(d)	Is waste stored on the premises?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Waste type	Quantity (e.g. tonnes, litres, cubic metres)	Waste activity infrastructure (including specifications)	Monitoring (if applicable)	Location (on site layout plan – see 3.4)
1.	Refer to the attached Supporting Document				
2.					
3.					
4.					
5.					

Part 9: Emissions, discharges, and waste

(e)	Is waste buried on the premises?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(f)	Is waste recycled on the premises?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(g)	Is any of the waste listed in Table 9.2 (below) also considered a 'dangerous good' for the purposes of the Dangerous Goods Safety (Storage and Handling of Non-Explosives) Regulations 2007? ³	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Specify, if yes:	Refer to the attached Supporting Document	
<p>² Copies / details of any other relevant approvals (e.g. from the Department of Health) must be provided where applicable.</p> <p>³ Wastes derived from the storage, handling, and use of dangerous goods may be considered hazardous and may need to be handled with the same precautions. Please refer to the Department of Mines, Industry Regulation and Safety's Dangerous Goods Safety information sheet for more information.</p> <p>Solid waste types must be described with reference to <i>Landfill Waste Classification and Waste Definitions 1996</i> (as amended from time to time) and the Environmental Protection (Controlled Waste) Regulations 2004 (Controlled Waste Regulations).</p> <p>Liquid waste types must be described with reference to the Controlled Waste Regulations.</p> <p>For further guidance on the definition of waste, refer to Fact Sheet: Assessing whether material is waste.</p> <p>Detail must be provided on storage type (for example, hardstand and containment infrastructure), capacity, likely storage volumes, and containment features (for example, lining and bunding).</p> <p>Additional rows may be added as required and/or further information may be included as an attachment (see Section 9.4).</p> <p>Table 9.2 Waste types</p>			
Attachments		N/A	Yes
9.3	Attachment 6A: Emissions and discharges (if required)	If required, further information for Section 9.1 has been included as an attachment labelled Attachment 6A.	<input type="checkbox"/> <input checked="" type="checkbox"/>
9.4	Attachment 6B: Waste acceptance (if required)	If required, further information for Section 9.2 has been included as an attachment labelled Attachment 6B.	<input checked="" type="checkbox"/> <input type="checkbox"/>

Part 10: Siting and location

Department of Water and Environmental Regulation

<p>10.1 Sensitive land uses What is/are the distance(s) to the nearest sensitive land use(s)? A sensitive land use is a residence or other land use which may be affected by an emission or discharge associated with the proposed activities.</p>	Refer to the attached Supporting Document
<p>10.2 Nearby environmentally sensitive receptors and aspects Identify in Table 10.2 (below):</p> <ul style="list-style-type: none">• all instances of environmentally sensitive receptors that are known or suspected to be present within, or within close proximity to, the proposed prescribed premises boundary;• the nature of the sensitive receptors (e.g. type of Threatened Ecological Community, species or threatened flora or fauna, etc.);• their actual or approximate known distance and direction from the premises boundary (at the closest point/s); and• if applicable, what measures have been or will be taken to ensure that sensitive receptors are not adversely impacted by any emissions or discharges from the premises.	

Type / classification	Description	Distance + direction to premises boundary	Proposed controls to prevent or mitigate adverse impacts (if applicable)
Environmentally Sensitive Areas ¹	Refer to the attached Supporting Document		
Threatened Ecological Communities			
Threatened and/or priority fauna			
Threatened and/or priority flora			
Aboriginal and other heritage sites ²			
Public drinking water source areas ³			
Rivers, lakes, oceans, and other bodies of surface water, etc.			
Acid sulfate soils			
Other			

Part 10: Siting and location

Refer to the [Guideline: Environmental siting](#) for further guidance.

Table 10.2: Nearby environmentally sensitive receptors and aspects

¹ Environmentally Sensitive Areas are as declared under the *Environmental Protection (Environmentally Sensitive) Notice 2005*. Refer to DWER's website ([Environmentally Sensitive Areas](#)) for further information.

² Refer to the [Department of Planning, Lands and Heritage website](#) for further information about Aboriginal heritage and other heritage sites.

³ Refer to [Water Quality Protection Note No. 25: Land use compatibility tables for public drinking water source areas](#) for further information.

Department of Water and Environmental Regulation

10.3	Environmental siting context details	Provide further information including details on topography, climate, geology, soil type, hydrology, and hydrogeology at the premises.		
		Refer to the attached Supporting Document		
Attachments			N/A	Yes
10.4	Attachment 7: Siting and location	You must provide details and a map describing the siting and location of the premises, including identification of distances to sensitive land uses and/or any specified ecosystems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 11: Submission of any other relevant information

Attachments			No	Yes
11.1	Attachment 8: Additional information submitted	Applicants seeking to submit further information may include information labelled Attachment 8. If submitting multiple additional attachments, label them 8A, 8B, etc. Where additional documentation is submitted, please specify the name of documents below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
List title of additional document(s) attached:				

Part 12: Category checklist(s)				
Attachments			N/A	Yes
12.1	Attachment 9: Category checklist(s)	<p>DWER has developed category checklists to assist applicants with preparing their application. These checklists are available on DWER's website.</p> <p>The relevant category-specific checklist(s) must be completed and included with the application, labelled as Attachment 9. If attaching multiple category checklists, label them 9A, 9B, etc. Do not select "N/A" unless:</p> <ul style="list-style-type: none"> a relevant category checklist is not yet published on DWER's website, or the application is for an amendment that does not propose changes to the method of operation, or change the inputs, outputs, infrastructure, equipment, emissions, or discharges of / from the premises. <p>Note that that a category checklist(s) may still be required for renewal applications. You will be advised in your renewal notification letter (sent approximately twelve months before the licence expiry date) if you are required to provide the information identified in a category checklist.</p> <p>Where a category checklist is submitted, please specify which checklist(s) in the space below.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
List title(s) of category checklists attached:				

Part 13: Proposed fee calculation**INSTRUCTIONS:**

Please calculate the prescribed fee using the relevant online fee calculator linked below.

- Licence: www.der.wa.gov.au/LicenceFeeCalculator
- Works approval: www.der.wa.gov.au/WorksApprovalFeeCalculator
- Amendment: <https://www.wa.gov.au/government/publications/works-approval-and-licence-amendment-fee-calculator>

Different fee units apply for different fee components. Fee units may also have different amounts depending on the period in which the calculation is made.

Once DWER has confirmed that the application submitted meets the relevant requirements of the EP Act, you will be issued an invoice with instructions for paying your application fee.

Further information on fees can be found in the [Fact Sheet: Industry Regulation fees](#), and on [DWER's website](#).

13.1	<p>Only the relevant fee calculations are to be completed as follows: <i>[mark the box to indicate sections completed]</i></p>	<input checked="" type="checkbox"/> Section 13.3 for works approval applications <input type="checkbox"/> Section 13.4 for licence / renewal applications <input type="checkbox"/> Section 13.5 for registration applications <input type="checkbox"/> Section 13.6 for amendment applications <input type="checkbox"/> Section 13.7 for applications requiring clearing of native vegetation
------	--	---

13.2	All information and data used for the calculation of proposed fees has been provided in accordance with Section 13.8.	<input checked="" type="checkbox"/>
------	---	-------------------------------------

13.3 Proposed works approval fee

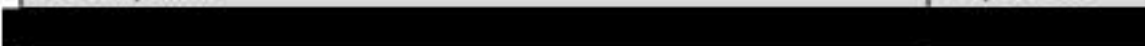
Proposed works approval fee (see Schedule 3 of the EP Regulations)

Fees relate to the cost of the works, including all capital costs (inclusive of GST) associated with the construction and establishment of the works proposed under the works approval application. This includes, for example, costs associated with earth works, hard stands, drainage, plant hire, equipment, processing plant, relocation of equipment and labour hire.

Costs exclude:

- the cost of land
- the cost of buildings to be used for purposes unrelated to the purposes in respect of which the premises are, or will become, prescribed premises
- costs for buildings unrelated to the prescribed premises activity or activities
- consultancy fees relating to the works.

Fee component	Proposed fee
---------------	--------------



13.4 Proposed licence fee (new licences and licence renewals)		
Detailed licence fee calculations		
Part 1 Premises component (see r.5D and Part 1 of Schedule 4 of the EP Regulations)		
The production or design capacity should be the maximum capacity of the premises. For most categories, the production or design capacity refers to an annual rate. The figure should be based on 24 hour operation for 365 days, unless there is another regulatory approval or technical reason that restricts operation.		
The premises component fee applies to the category in Part 1, Schedule 4 incurring the higher or highest amount of fee units in accordance with r.5D(2) of the EP Regulations.		
List all categories (insert additional rows as required). Use only the higher or highest amount of fee units to determine the Part 1 fee component.		
Category	Production or design capacity	Fee units
Using the higher or highest amount of fee units, Part 1 component subtotal		\$
Part 2 Waste (see r.5D(1a)(b) and Part 2 of Schedule 4 of the EP Regulations)		
If your premises includes one or more of the following categories specify any applicable Part 2 waste amounts. Do not include Part 3 waste components of these discharges in the below calculations.		
Categories: 5, 6, 7, 8, 9, 12, 14, 44, 46, 53, 54A, 70, 80, or 85B		
Part 2 waste means waste consisting of –		
(a) tailings; or		
(b) bitterns; or		
(c) water to allow mining of ore; or		
(d) flyash; or		
(e) waste water from a desalination plant.		
If the premises does not fall into one of the categories listed above, or there are no applicable Part 2 waste amounts, the sub total for this section will be \$0.		
Insert additional rows as required. Sum all Part 2 waste fees to determine the sub total.		
Discharge quantity (tonnes/year)	Fee units	
Part 2 component subtotal		\$
Part 3 Waste – Discharges to air, onto land, into waters (see Part 3 of Schedule 4 of the EP Regulations)		
Choose the appropriate location of the discharge and enter the discharge amount(s) in the units specified in the EP Regulations. This should be the amount of waste expected to be discharged over the next 12 months, expressed in the units and averaging period applicable for that waste kind (for example, g/minute or kg/day). Amounts can be measured, calculated, or estimated and can be based on data acquired over the previous 12 months, but should be based on the maximum premises capacity and not the forecast operating hours.		
Where there are discharges, all prescribed waste types must be considered in the fee calculation. If a specified waste type is not present in the discharge, this must be justified using an appropriate emission estimation technique (for example, sampling data, industry sector guidance notes, National Pollution Inventory guides and emission factors).		

Discharges to air			
Discharges to air	Discharge rate (g/min)	Discharges to air	Discharge rate (g/min)
Carbon monoxide		Nickel	
Oxides of nitrogen		Vanadium	
Sulphur oxides		Zinc	
Particulates (Total PM)		Vinyl chloride	
Volatile organic compounds		Hydrogen sulphide	
Inorganic fluoride		Benzene	
Pesticides		Carbon oxysulphide	
Aluminium		Carbon disulphide	
Arsenic		Acrylates	
Chromium		Beryllium	
Cobalt		Cadmium	
Copper		Mercury	
Lead		TDI (toluene-2, 4-di-iso-cyanate)	
Manganese		MDI (diphenyl-methane di-iso-cyanate)	
Molybdenum		Other waste	
Part 3 component subtotal		\$	
Discharges onto land or into waters			Discharge rate
1. Liquid waste that can potentially deprive receiving waters of oxygen (for each kilogram discharged per day) —	(a) biochemical oxygen demand (in the absence of chemical oxygen demand limit)		
	(b) chemical oxygen demand (in the absence of total organic carbon limit)		
	(c) total organic carbon		
2. Bio-stimulants (for each kilogram discharged per day) —	(a) phosphorus		
	(b) total nitrogen		
3. Liquid waste that physically alters the characteristics of naturally occurring waters —	(a) total suspended solids (for each kilogram discharged per day)		
	(b) surfactants (for each kilogram discharged per day)		
	(c) colour alteration (for each platinum cobalt unit of colour above the ambient colour of the waters in each megalitre discharged per day)		
	(d) temperature alteration (for each 1°C above the ambient temperature of the waters in each megalitre discharged per day) — (i) in the sea south of the Tropic of Capricorn (ii) in other waters		

Department of Water and Environmental Regulation

4. Waste that can potentially accumulate in the environment or living tissue (for each kilogram discharged per day) —	(a) aluminium	
	(b) arsenic	
	(c) cadmium	
	(d) chromium	
	(e) cobalt	
	(f) copper	
	(g) lead	
	(h) mercury	
	(i) molybdenum	
	(j) nickel	
	(k) vanadium	
	(l) zinc	
	(m) pesticides	
	(n) fish tainting wastes	
(o) manganese		
5. <i>E. coli</i> bacteria as indicator species (in each megalitre discharged per day) —	(a) 1,000 to 5,000 organisms per 100 ml	
	(b) 5,000 to 20,000 organisms per 100 ml	
	(c) more than 20,000 organisms per 100 ml	
6. Other waste (per kilogram discharged per day) —	(a) oil and grease	
	(b) total dissolved solids	
	(c) fluoride	
	(d) iron	
	(e) total residual chlorine	
	(f) other	
Part 3 component subtotal		\$
Summary – Proposed licence fee		
Part 1 Component		
Part 2 Component		
Part 3 Component		
Total proposed licence fees:		\$
13.5 Prescribed fee for registration		
A fee of 24 units applies for an application for registration of premises, unless the occupier of the premises holds a licence in respect of the premises, in accordance with r.5B(2)(c) of the EP Regulations.	<input type="checkbox"/> (Tick to acknowledge)	

13.6 Amendment fee (works approval or licence)		
The fee prescribed for an application for an amendment to a works approval or licence is calculated in accordance with r.5BB(1)(a) of the EP Regulations:		
<ul style="list-style-type: none"> for a single category of prescribed premises to which the works approval or licence relates, by using the fee unit number corresponding to the prescribed premises category and relevant design capacity threshold in Schedule 4 Part 1 of the EP Regulations. for multiple categories of prescribed premises to which the works approval or licence relates, by using the highest fee unit number corresponding to the prescribed premises categories and design capacity threshold in Schedule 4 Part 1 of the EP Regulations. 		
Fee Units	Proposed fee	
	\$	
13.7 Prescribed fee for clearing permit		
<p>In accordance with the Guideline: Industry Regulation Guide to Licensing and Procedure: Native vegetation clearing permits, where approval to clear native vegetation is sought as part of an application for a works approval or licence, DWER may elect to either jointly or separately determine the clearing component of the application. Where DWER separately determines the clearing component of an application, the application will be deemed to be an application for a clearing permit under s.51E of the EP Act and processed accordingly.</p> <p>Note: If a clearing permit application has been separately submitted and accepted by DWER, a refund for the clearing permit application will not be provided where DWER determines to address clearing requirements as part of a related works approval application.</p>		<input type="checkbox"/> (Tick to acknowledge)
13.8 Information and data used to calculate proposed fees		
The detailed calculations of fee components, including all information and data used for the calculations are to be provided as attachments to this application, labelled as Attachment 10 , with an appropriate suffix (for example 10A, 10B etc.). Please specify the relevant attachment number in the space/s provided below.		
Proposed fee for works approval	Attachment No.	
Details for cost of works	10	
Proposed fee for licence	Attachment No.	
Part 1: Premises		
Part 2: Waste types		
Part 3: Discharges to air, onto land, into waters		
Part 14: Commercially sensitive or confidential information		
NOTE:		
Information submitted as part of this application will be made publicly available. If you wish to submit commercially sensitive or confidential information, please identify the information in Attachment 11, and include a written statement of reasons why you request each item of information be kept confidential.		
Information submitted later in the application process may also be made publicly available at DWER's discretion. For any commercially sensitive or confidential information, please follow the same process as described above.		
DWER will take reasonable steps to protect genuinely confidential or commercially sensitive information. However, please note that DWER cannot commit to redacting all personal information from all supporting documents. You are advised to ensure that all personal information, including signatures, are removed from supporting documents prior to submitting them to the department. Please note that all submitted information may be the subject of an application for release under the <i>Freedom of Information Act 1992</i> .		
All information which you would propose to be exempt from public disclosure has been separately placed in a redacted version of the application form and its supporting documentation. Note that this is in addition to the unredacted version(s) provided to DWER for its assessment. Grounds for claiming exemption in accordance with Schedule 1 to the <i>Freedom of Information Act 1992</i> must be specified in Attachment 11 (located at the end of this form).	Attached	N/A
	<input type="checkbox"/>	<input type="checkbox"/>

Part 15: Submission of application**INSTRUCTIONS:**

Check one of the boxes below to nominate how you will submit your application.

Files larger than 50MB cannot be received via email by DWER. Files larger than 50MB can be sent via File Transfer. Alternatively, email DWER to make other arrangements.

A full, signed, electronic copy of the application form including all attachments has been submitted via email to info@dwer.wa.gov.au;

OR

A signed, electronic copy of the application form has been submitted via email to info@dwer.wa.gov.au and attachments have been submitted via File Transfer, or electronically by other means as arranged with DWER;

OR

A full, signed hard copy has been sent to:
APPLICATION SUBMISSIONS
Department of Water and Environmental Regulation
Locked Bag 10
Joondalup DC WA 6919

Part 16: Declaration and signature**General**

I / We confirm and acknowledge that:

- the information contained in this application is true and correct;
- I / we have legal authority to sign on behalf of the applicant (where authorisation provided);
- I / we have not altered the requirements and instructions set out in this application form;
- I / we have provided a valid email address in Section 2.3 for receipt of correspondence electronically via email from DWER in relation to this application;
- that successful delivery to my / our server constitutes receipt of correspondence sent electronically via email from DWER in relation to this application; and
- I / we have provided a valid postal and/or business address in Section 2.4 for the service of all Part V documents.
- giving or causing to be given information that to my knowledge is false or misleading is an offence under s.112 of the EP Act and may incur a penalty of up to \$100,000.

Publication

I / We confirm and acknowledge:

- this application (including all attachments apart from the sections identified in Attachment 11) is a public document and may be published;
- marine surveys provided in accordance with Part 5 will be published and used, for the purposes of the IMSA project, in accordance with your declaration made in the *Metadata and Licensing Statement*;
- all necessary consents for the publication of information have been obtained from third parties;
- information considered exempt from public disclosure has been noted by redaction of a separately provided copy of the completed application form and its supporting documentation (in accordance with Part 14), with reasons as to why the information should be exempt in accordance with the grounds specified in Schedule 1 to the *Freedom of Information Act 1992 (WA)* being provided in Attachment 11;
- subsequent information provided in relation to this application will be a public document and may be published unless written notice has been given to DWER by the applicant, at the time the information is provided, claiming that the information is considered exempt from public disclosure; and
- the decision to not publish information will be at the discretion of the CEO of DWER and will be made consistently with the provisions of the *Freedom of Information Act 1992 (WA)*.

DocuSigned by:

Signature

David Gerrard

Name

Director

Position

Signature

Julian Gaillard

Name

Company Secretary

Position

01 March 2024 | 10:48 AM AEDT

Date

01 March 2024 | 9:17 AM AEDT

Date

NOTE: This form may be signed:

- if the applicant is an individual, by the individual;
- if the applicant is a corporation, by:
 - > the common seal being affixed in accordance with the *Corporations Act 2001 (Cth)*; or
 - > two directors; or
 - > a director and a company secretary; or
 - > if a proprietary company has a sole director who is also the sole company secretary, by that director; and
- by a person with legal authority to sign on behalf of the applicant.

ATTACHMENT 11 – Confidential or commercially sensitive information

Request for exemption from publication			
Information which you consider should not be published, on the grounds of a relevant exemption found in Schedule 1 to the <i>Freedom of Information Act 1992 (WA)</i> , must be specified in this Attachment. Add additional rows as required.			
NOT FOR PUBLICATION IF GROUNDS FOR EXEMPTION ARE DETERMINED TO BE ACCEPTABLE			
Section of this form:		Grounds for claiming exemption:	
Section of this form:		Grounds for claiming exemption:	
Section of this form:		Grounds for claiming exemption:	

Attachment No. 1A – Proof of Occupier Status

Not applicable.

Attachment No. 1B – ASIC Company Extract

Not applicable.

Attachment No. 1C – Authorisation to Act as Representative of the Occupier

Not Applicable.

Attachment No. 2 – Premises Map(s)

Refer to the attached map (extract from existing licence).

Schedule 1: Maps

Premises map

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

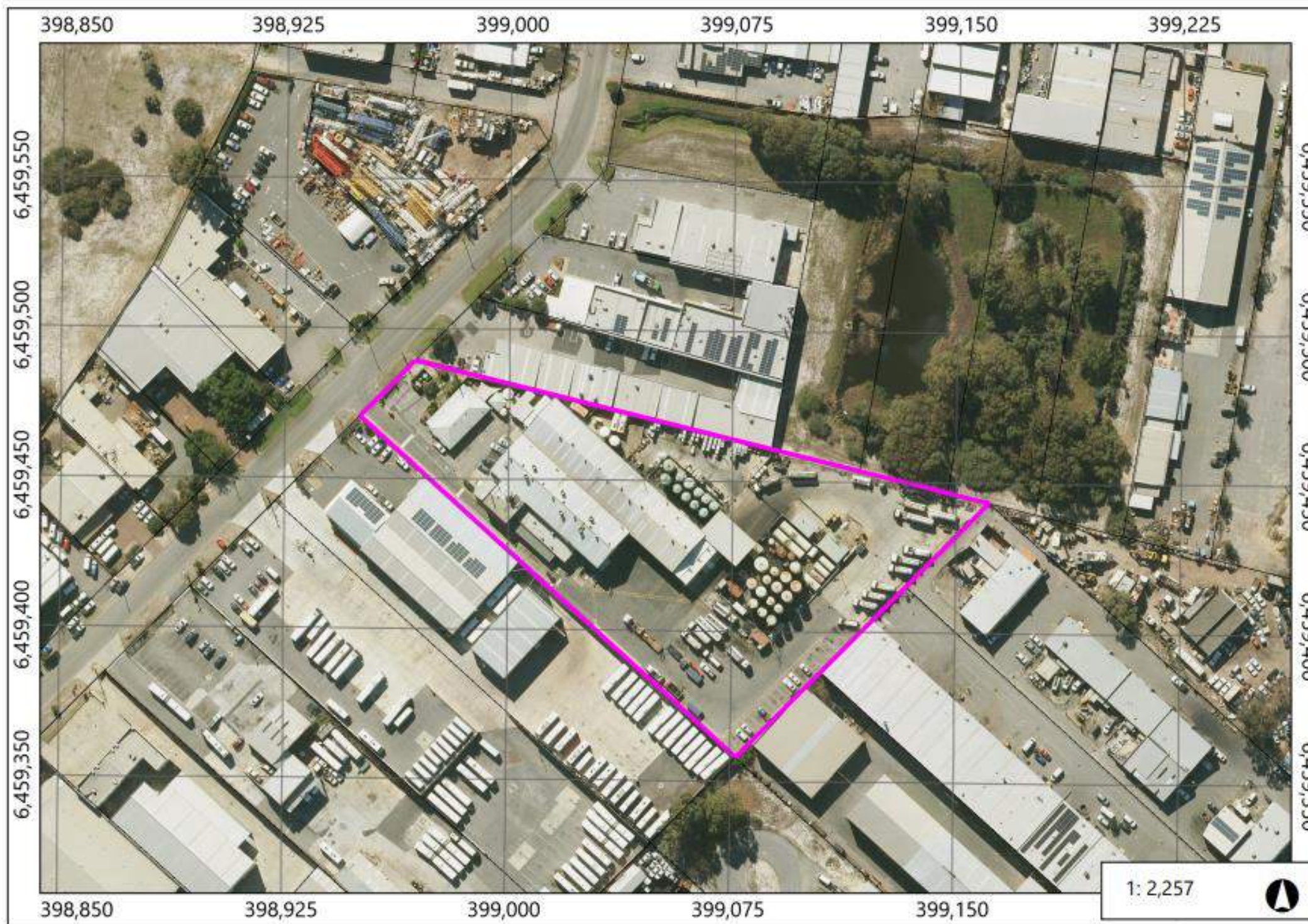


Figure 1: Map of the boundary of the prescribed premises (GDA94 Zone 50)

Attachment No. 3A – Environmental Commissioning Plan

Not Applicable.

Attachment No. 3B – Proposed Activities

Refer to the Supporting Document attached to the rear of this application.

Attachment No. 3C – Map of Proposed Area to be Cleared

Not Applicable.

Attachment No. 3D – Additional Information for Clearing Assessment

Not Applicable.

Attachment No. 4 – Marine Surveys

Not Applicable.

Attachment No. 5 – Other Approvals and Consultation Documentation

Not Applicable.

Attachment No. 6A – Emissions and Discharges

Refer to the Supporting Document attached to the rear of this application.

Attachment No. 6B – Waste Acceptance

Not Applicable.

Attachment No. 7 – Siting and Location

Not Applicable.

Attachment No. 8 – Additional Information Submitted

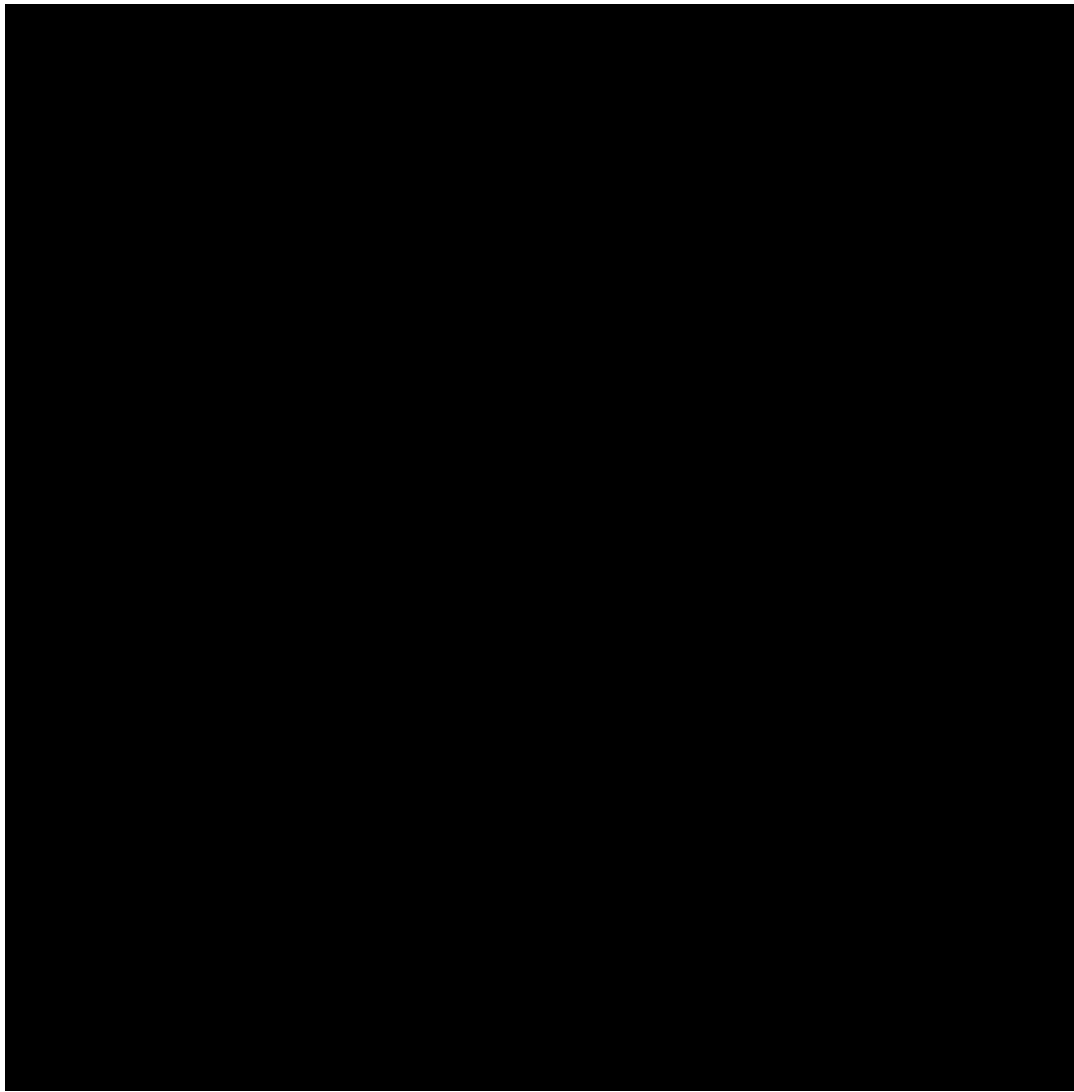
Nil.

Attachment No. 9 – Category Checklist

Not applicable.

Attachment No. 10 – Application Fee

Refer to the Attached Cost Estimate and Fee Calculator





Industry Licensing System

Application Page 3 of 5 Works Approval Fees

Fee start date

Fees calculator

If you are applying for a works approval you must provide the following details in accordance with the Environmental Protection Regulations 1987. Guidance on calculating works approval fees is available on the DWER website.

Fees relate to the cost of the works, including all capital costs (inclusive of GST) associated with the construction and establishment of the works proposed under the works approval application. This includes, for example, costs associated with earth works, hard stands, drainage, plant hire, equipment, processing plant, relocation of equipment and labour hire.

Costs exclude:

land purchase costs

Premises Component(s)

Category	Capacity Range	Fee
61 - Liquid waste facility	More than 10 000 but no more than 100 000 tonnes per year	N/A
<input type="text" value="Selection required"/>	<input type="text" value="Select capacity range"/>	<input type="button" value="Add"/>
Total Premises Component(s)	N/A	

Premises construction cost

Total cost	Rate
<input type="text"/>	<input type="text"/>

Total Fee

Total Works Approval Fee	<input type="text"/>
	<input type="button" value="Continue"/>

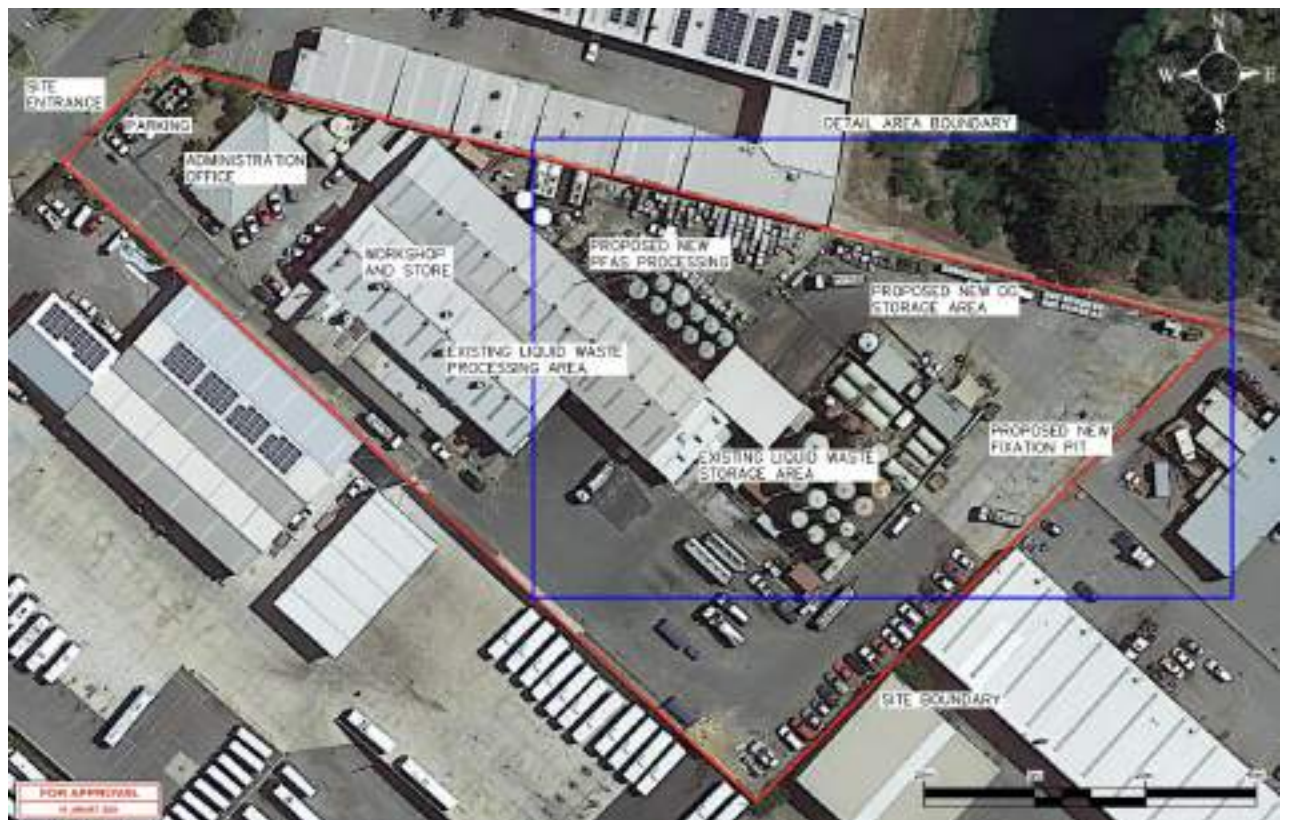
Attachment No. 11 – Confidential or Commercially Sensitive Information

Nil.

WESTERN RESOURCE RECOVERY WELSHPOOL LIQUID WASTE TREATMENT FACILITY

113 EWING STREET, WELSHPOOL

WORKS APPROVAL APPLICATION SUPPORTING
DOCUMENTATION



Aerial Image – Site Layout

Prepared for

VEOLIA AUSTRALIA AND NEW ZEALAND PTY LTD

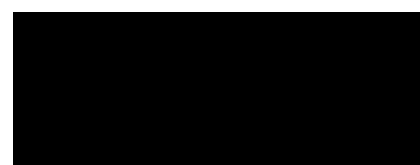
Revision: Final
Date of Issue: 25 Jan 2024

Table of Contents

1. Introduction.....	1
2. The Proponent	1
3. Premises Location and Details.....	1
4. Local Government Authority	2
5. Ministerial Requirements	2
6. Current Operations	2
7. Activities and Throughput	2
7.1. Proposal Activities.....	2
7.2. Material Types and Quantity.....	2
8. Infrastructure and Operating Methodology.....	3
8.1. PFAS Operation.....	3
8.1.1. Process Overview	3
8.1.2. Infrastructure Requirements.....	3
8.1.3. Processing Facility.....	4
8.1.4. Process Operation.....	4
8.2. Oily Water and DG Store Operation	4
8.2.1. Process Overview	4
8.2.2. Infrastructure Requirements.....	5
8.2.3. Facility Operation.....	5
8.3. Fixation Pit Operation.....	6
8.3.1. Process Overview	6
8.3.2. Infrastructure Requirements.....	6
8.3.3. Process Operation.....	6
8.3.4. Material Selection, Control, Testing and Disposal.....	7
9. Staged Construction	8
10. Commissioning	8
11. Time Limited Operations.....	8
12. Rights to Water Irrigation Act 1914	8
13. Stakeholder and Community Consultation.....	8
14. Emissions.....	9
14.1. Emissions Sources.....	9
14.2. Air Emissions	9
14.3. Dust Emissions.....	9
14.4. Odour Emissions	10
14.5. Noise Emissions	11
14.6. Light Emissions.....	12
14.7. Discharge to Sewer.....	12
14.8. Discharge to Water	13
14.9. Discharge to Land.....	13
15. Complaints Management System	14
16. Vegetation Clearing.....	14
17. Flora and Fauna	14



18.	Fire Management	15
19.	Solid/Liquid Waste	15
19.1.	Solid Waste.....	15
19.2.	Liquid Waste	16
19.3.	Spill Management	16
20.	Hydrocarbon/Chemical Storage	17
20.1.	Hydrocarbon Storage.....	17
20.2.	Chemical Storage	17
21.	Contaminated Site Identification	17
22.	Surface Water Management	17
23.	Groundwater Management	18
24.	Risk Assessment	18
24.1.	Source-Pathway and Receptors.....	18
24.1.1.	Emissions and Controls	18
24.1.2.	Receptors	21
24.1.3.	Risk Ratings	23
Appendices		25
Appendix No. 1 – Prescribed Premises Boundary		26
Appendix No. 2 – Trade Waste Permit		27
Appendix No. 3 – Drawings		28



Copyright and Disclaimer

This document has been prepared by IW Projects Pty Ltd solely for the benefit and use of Western Resource Recovery Pty Ltd and Veolia Australia and New Zealand Pty Ltd.

IW Projects Pty Ltd shall assume no liability or responsibility to any third party arising out of the use of or reliance upon this document by any third party.

IW Projects Pty Ltd owns the copyright to this document and the commercial use of the document without the written permission of IW Projects Pty Ltd is strictly prohibited.



1. Introduction

Western Resource Recovery Pty Ltd (Proponent) owns the Welshpool Liquid Waste Treatment Facility, which is located at 113 Ewing Street, Welshpool. Veolia Australia and New Zealand Pty Ltd is the owner and operator of Western Resource Recovery Pty Ltd.

The facility currently receives and processes a wide range of liquid waste materials. The Proponent proposes to introduce a number of additional liquid waste process and handling activities on site to improve site operations. The proposal does not include any change to the type or quantity of liquid waste being received on site, but simply to improve the treatment of the existing, allowable liquid waste quantity.

This document provides the supporting documentation for the Works Approval application to enable the construction of the required liquid waste treatment infrastructure.

2. The Proponent

The Proponent for this proposed development is Western Resource Recovery Pty Ltd:

Level 4, Bay Centre
65 Pirrama Road
PYRMONT NSW
NSW 2009

3. Premises Location and Details

Property Location:

113 Ewing Street
WELSHPOOL
WA 6106

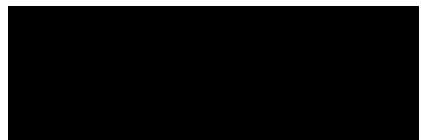
Property Descriptions:

Lot 278
Plan 3033
Area 1.2393 ha

Prescribed Premises

The Prescribed Premises boundary incorporates the complete Lot and is unchanged by this application.

Appendix No. 1 – Prescribed Premises Boundary indicates the extent of the Prescribed Premises boundary. The source of the appendix is Figure 1 from the existing site operating licence.



4. Local Government Authority

The proposed development is within the City of Canning.

There is no change required to the current Planning Approval, as all processes are deemed to be within the current approval.

Planning Issues – None identified.

5. Ministerial Requirements

Environmental Protection Act Part IV - The original development has not been assessed by the Environmental Protection Authority (EPA) and has no associated Ministerial Conditions.

6. Current Operations

The site is currently used for the receipt, treatment and off-site transfer of a wide range of liquid waste materials. The site is currently a Prescribed site, operated under licence L7639/2000/8, including Category 61 Liquid Waste Facility and Category 62 Solid Waste Depot.

The site is licenced to receive a combined total of 100,000 tonnes of liquid waste and 550 tonnes of solid waste annually.

7. Activities and Throughput

7.1. Proposal Activities

This proposal covers the handling, processing, and disposal of a range of bulk and packaged liquid waste materials. The materials are all included in the current facility operating licence and there is no proposal to increase the type or quantity of liquid waste material being delivered to the site.

The proposed activities include the following:

- PFAS contaminated liquid waste treatment;
- Mixed Dangerous Goods and oily water storage and consolidation; and,
- Fixation of selected waste materials.

7.2. Material Types and Quantity

The existing site operating licence sets out the type and quantity of materials that can be accepted on site.

This proposal does not include any increase to the type or quantity of material being delivered to the site. Consequently, the current licenced material types and quantities remains valid.



8. Infrastructure and Operating Methodology

8.1. PFAS Operation

PFAS covers all per- and polyfluoroalkyl substances.

8.1.1. Process Overview

The existing site operating license allows for the receipt of up to 100,000 kL (combined Premises total) of PFAS contaminated liquids (Controlled Waste Code M270). This material is currently received and then transferred offsite to downstream PFAS processing facilities.

The Proponent proposes to develop a PFAS processing facility on site to process the contaminated material to remove the PFAS to a level to enable discharge of the processed water to the Water Corporation sewer. The site has an existing Trade Waste Permit (Number 18431) that enables the discharge of processed liquid waste with an upper PFAS contamination level of 0.1 parts per billion (0.1 ppb).

Appendix No. 2 – Trade Waste Permit provides a copy of the Water Corporation Trade Waste Permit. The Trade Waste Permit does not specifically reference the proposed PFAS process; however, the Proponent is in the process of addressing this with the Water Corporation.

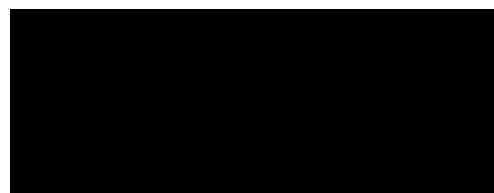
In the event that the incoming liquid waste is too highly contaminated to be processed on site, it will simply be stored, tested (to confirm that it is non-processable) and then removed from site to a suitable downstream PFAS processing facility.

8.1.2. Infrastructure Requirements

The incoming bulk liquid waste and processed filtrate will be stored in existing 35 kL tanks. There is no requirement to install any additional tank storage; however, there will be a requirement to install some additional pipework to transfer the liquid to and from the new PFAS treatment unit. Packaged liquid waste will be stored in the existing Controlled/Packaged Waste Bunded Area.

A new containerised PFAS treatment unit will be installed within an existing bunded area. This unit is prefabricated offsite and will simply be lifted off the delivery vehicle and placed within the existing bunded area on site. The unit will be connected to the bulk storage tanks via a new pipework configuration. There will also be the necessary electrical connection to power the treatment unit.

Appendix No. 3 – Drawings provides the location of the proposed PFAS unit and identifies the location of the existing storage tanks proposed to be used for PFAS liquid storage.



8.1.3. Processing Facility

The proposed on-site processing facility will be a containerised specialised PFAS process. The unit throughput will typically be 5 kL/hr (1.4 L/s). The PFAS contaminated water will pass through filters of granulated activated carbon and ion exchange resin that removes the vast majority of PFAS contaminants. When saturated with contaminants, the filters are then removed and replaced, with the contaminated filters being disposed of offsite, at a suitable downstream landfill or processing facility.

8.1.4. Process Operation

The PFAS contaminated liquid waste is received on site in either bulk liquid tankers or smaller, volume containers (IBC's/drums). On arrival to site, the bulk liquid will be pumped into a 35 kL PFAS receival tank. The smaller containers will be stored in the Controlled/Packaged Waste Bunded Area (as currently occurs).

Once stored on site, the liquid waste will be sampled and analysed to assess the PFAS contamination level and hence whether it can be processed on site or needs to be removed from site. If the contamination level is too high for on-site processing, the liquid waste will be removed from site. If the material is able to be processed on site, liquid waste in the smaller containers will be pumped into the 35 kL PFAS receival tank. Accumulated PFAS contaminated liquid waste will then be processed through the treatment unit.

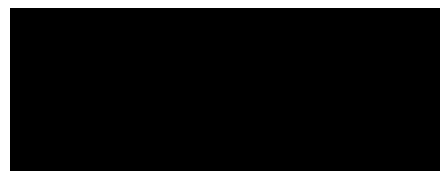
The processed liquid (filtrate) will then be stored in one of the 35 kL PFAS processed water tanks while it is sampled and analysed to assess the filtrate contamination levels. If the filtrate contamination level is lower than the Trade Waste Permit allowable contamination levels, it will be discharged to sewer. If the PFAS contamination level of the process water is still too high, the liquid waste will either be re-processed or removed from site, via liquid tanker, to a downstream processing facility. Although the processing unit is a continuous process (5 kL/h), the sampling and analysis of the processed product requires up to a week's storage of the liquid waste prior to being able to discharge the liquid to sewer; consequently, the system is effectively a batch process, with the maximum 35 kL batch volume.

8.2. Oily Water and DG Store Operation

8.2.1. Process Overview

The proposal is to provide 60 kL of contained storage in a number of freestanding, specialised Class 3 containerised packaged DG stores. The vast majority of the storage capacity will be used for the storage of oily water and up to 8 kL of storage capacity used for the storage of mixed Dangerous Goods (DG) materials.

Oily water is not defined as a DG material; however, will be stored in the containerised DG stores, as these have the appropriate self-contained bunding for the storage of this liquid waste.



8.2.2. Infrastructure Requirements

Seven freestanding containerised, self-bunded DG storage containers will be installed. There will be 2 x 6 m³, 1 x 8 m³ and 4 x 10 m³ containers making up a total storage volume of 60 m³. The containers will be located along the northern site boundary, on the existing concrete hardstand and positioned so as not to block any existing site infrastructure such as fire hydrants, sewer manholes, stormwater inlets and stormwater treatment systems.

Each prefabricated container will be installed on a concrete foundation.

There is no need to establish a new hardstand area, as the DG storage containers and the associated vehicle unloading and loading areas are all on an existing concrete hardstand area.

Appendix No. 3 – Drawings provides the layout of the DG storage containers and identifies which of the storage containers can be used for the storage of mixed DG materials.

8.2.3. Facility Operation

Mixed DG materials will be stored in the containers, in a configuration that complies with the relevant DG storage separation distance requirements, with oily water being stored in all other containerised storage capacity.

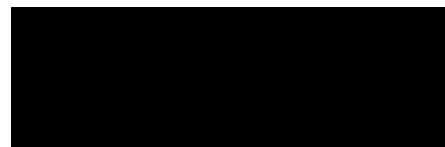
Due to the separation distance and fire protection requirements within AS 1940 (Flammable and Combustible Liquids) and AS 3833 (Mixed Class DG), there will be a maximum of 2 kL of compatible mixed DG material that can be stored in every second container (total of four mixed DG storage containers), with oily water only stored in the in-between containers. Oily water will also be stored in the remaining storage capacity within the DG material stores.

There will be one 9 kg powder and one 9 kg foam fire extinguishers provided for each of the four mixed DG storage containers. With the maximum stored quantity being limited to 2 kL/container, there is no requirement for fire hydrants or other firefighting infrastructure.

On delivery of the mixed DG material, the site chemist will assess the types of mixed DG material received, and based on material compatibility, determine which of the four mixed DG stores will be used to store the incoming DG material. The DG material will then be stored accordingly.

Once stored, the site DG store register will be completed, identifying the DG material type, quantity, customer/location, date, DG storage container used and any other relevant information. The register will then be signed off by the site chemist. In addition, the DWER Controls Waste Tracking documentation will be completed.

Once the DG material has been received and logged into the DG store register, depending on the type and condition of the mixed DG material, compatible materials may be consolidated into larger quantities for storage and subsequent disposal. DG consolidation will occur within the existing bunded area and under the supervision of the site chemist.



Periodically, once sufficient mixed DG material has been accumulated on site, it will be removed from site by a licensed Controlled Waste Carrier to a suitable downstream processing facility.

8.3. Fixation Pit Operation

8.3.1. Process Overview

The fixation pit will be used to convert selected liquid, sludge and viscous waste materials into a spadable product able to be disposed of to landfill. An absorbent material, typically sawdust, fibrous fines from other waste processing facilities, soil conditioner, green waste or soil will be placed into the fixation pit by an excavator parked adjacent and external to the pit. The liquid/sludge/viscous waste material is then added to the fixation pit and the excavator mixes the two material types to achieve a spadable consistency in the blended product. The proportion of dry and wet materials will be adjusted until the appropriate spadable consistency is achieved.

When the mixing process has been completed, the blended, spadable mix will be removed from the fixation pit and placed in large volume waste bins for offsite removal.

8.3.2. Infrastructure Requirements

A 5.5 m x 5.5 m x 1.4 m deep concrete fixation pit will be constructed in the north-eastern corner and within the existing Controlled/Packaged Waste Bunded Area. The fixation pit will include a hose connection cast through the pit wall to enable liquid tankers to connect to the hose fitting and discharge directly into the fixation pit.

An additional component of the construction will be to increase the length of an existing trench drain to the north of the Controlled/Packaged Waste Bunded Area to increase the drain catchment area to include the full width of the Controlled/Packaged Waste Bunded Area. This infrastructure change is not necessary for the proposed fixation pit; however, has been included in the application to improve the spill containment around the loading area associated with the Controlled/Packaged Waste Bunded Area.

Appendix No. 3 – Drawings provides the layout and details of the proposed fixation pit and trench drain extension.

8.3.3. Process Operation

Liquid, sludge and viscous waste materials will be received on site specifically for the purposes of fixation. The material will be received in liquid tanker or smaller individual containers. In addition, some liquid, sludge and viscous waste material will be generated on site via the existing liquid waste processing activities.

Depending on the quantity of material needing fixation and the availability of the fixation pit, the material will either be immediately fixated, or stored on site for subsequent fixation. If there are small quantities of compatible materials, these will be consolidated into larger volume containers and fixated once there is sufficient quantity of compatible material.



Due to the lack of available space on site, there will only be limited quantities of dry fixation media stored on site. This material will be stored in covered bins to prevent stormwater wetting the dry fixation media and to prevent any possible dust generation. Additional fixation media will be brought to site as required, specifically for large volume fixation processes.

During the fixation process, the fixation media will be in bins immediately adjacent to the fixation pit, readily available for the excavator to load the fixation media into the base of the fixation pit. Any spillage of this solid material will be immediately swept up.

The liquid waste will either be pumped directly from the liquid waste delivery vehicle into the fixation pit or from an open-ended container on a forklift with a tipping or swivel attachment. The fixation pit design includes a fixed liquid tanker hose connection point for liquid waste discharge.

Sludge and viscous material will be tipped into the fixation pit via an open-ended container on a forklift with a tipping or swivel attachment.

All liquid/sludge/viscous material input will occur within the existing bunded area, with any spillage being cleaned up immediately.

On completion of the fixation mixing process, all blended spadable material will be removed from the fixation pit by the excavator and placed in adjacent, large volume waste bins. The filled bins will then be moved to a storage area on site, where they will be sampled, covered and stored until the sample analysis results are available.

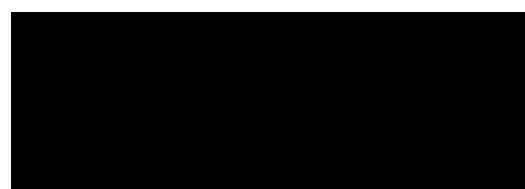
8.3.4. Material Selection, Control, Testing and Disposal

The liquid/sludge/material will be assessed by the site chemist to determine contamination levels and compatibility with others similar materials, to determine what materials can be fixated in a single exercise.

The fixation pit has a maximum capacity to overflow of 42 m³; however, has been designed with an operational capacity of 30 m³, which allows for a 400 mm freeboard to prevent spillage of the spadable material. In the event of any spillage during the mixing process, the spilt material will be immediately cleaned up.

On completion of the fixation processes, the blended material be sampled and analysed in accordance with the DWER Landfill Waste Classification and Waste Definitions 1996 (as amended). Once the results are known, the material will be removed from site and disposed of at the appropriate class of landfill.

The site chemist will be responsible for all input and output material analysis, processing and recording.



9. Staged Construction

The Proponent may opt to develop the three proposed activities progressively, as opposed to all at one time.

10. Commissioning

There is no commissioning requirements for the proposed activities.

11. Time Limited Operations

All activities will be Time Limited Activities to enable the installations to be tested and used while the Works Approval Compliance Documentation and subsequent Licence Amendment are being processed by the DWER.

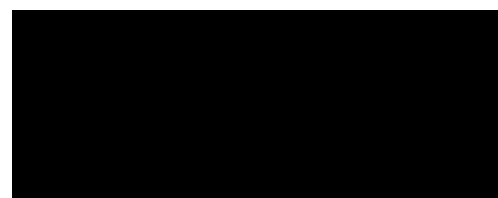
12. Rights to Water Irrigation Act 1914

There is no requirement for groundwater usage and hence no consequential impact of the *Rights to Water Irrigation Act 1914*.

13. Stakeholder and Community Consultation

There has been no formal stakeholder and community consultation associated with the project. Due to the small size of the proposed development, no additional waste types or quantities involved, the anticipated minimal, if any neighbourhood impact and the fact that the proposed development is within a well-established existing industrial estate, it is not deemed necessary to undertake formal stakeholder and community consultation.

In addition, as part of the Works Approval process, the DER advertises the proposed Works Approval and the public is given the opportunity to provide comment.



14. Emissions

14.1. Emissions Sources

Due to the scale and type of waste management activities associated with the proposed development, it is not anticipated that there will be significant, if any, environmental emissions from the proposed site activities. With the facility being within an existing industrial area, there will be no waste management site emissions that will have a negative effect on the local residential community, which is located approximately 420 m to the southwest and 500 m to the southeast.

The proposed PFAS contaminated liquid waste operation is a totally enclosed operation, with no exposure of the liquid waste to the environment; hence, there will be no emissions.

The proposed oily water and DG storage activity is also a fully enclosed activity, other than the possible small-scale consolidation of some of the compatible material into larger containers, which is unlikely to have any environmental impact.

The fixation process will involve the handling of potentially dusty fixation media (sawdust, soil conditioner and soil) that has the potential to generate small quantities of dust. The mixing within the fixation pit will have the potential to emit odours from the input liquid waste; however, these will be a function of the type and quantity of the liquid waste being processed.

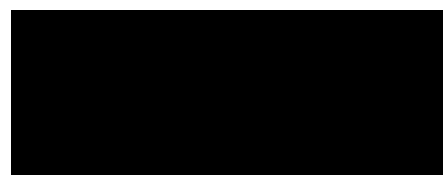
14.2. Air Emissions

There are no air emissions anticipated from the proposed waste handling and transfer activities.

14.3. Dust Emissions

There is the possibility that there could be small amounts dust emitted from the fixation process when the excavator loads the fixation media from the storage bin into the fixation pit. This is however a slow and occasional activity and dust generation would only be associated with particular types of fixation media (sawdust, soil conditioner and sand). The fixation process will only be undertaken when there is no or minimal wind; hence no dust will be generated.

Composition and Quantity – This will be a function of the fixation media being used. Sawdust will generate fine timber particles. Soil conditioner will generate fine organic composted particles and sand will generate silica particles. The quantity of each of these materials will be extremely low, as the fixation process only uses a maximum of approximately 15 m³ of fixation media, if a full load of liquid was to be fixated. In most cases, the quantity of fixation media will be significantly less.



Variability of Emissions – Minimal, as this is a function of the fixation media utilised and the wind speed. It is likely that once a reliable source of suitable fixation material was found, that this source would then be the regular fixation media used and hence, if this was a dust generating material, the dust emissions would be consistent with the material type and hence, the wind speed and direction would be the only variable.

Treatment Methodology – Cover the fixation media bin during material storage. Slow operation of the excavator when handling the fixation media. Only operating the fixation pit when the wind was not blowing strongly.

Monitoring – Visual observation by site operations staff. Monitoring community complaints.

Contingency Plans – Cease operations when wind is blowing too strongly.

Environmental Receptors – Environmental receptors include the site operations staff and neighbouring properties.

Fugitive Emissions – All emissions are deemed fugitive.

Cumulative Impact – Nil.

Targets and Limits – No dust emissions beyond the site boundary.

Environmental Risk – Nil.

14.4. Odour Emissions

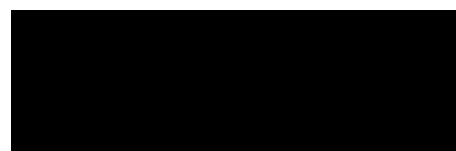
The only potential source of odour that has been identified is the minor odour emission when small quantities of liquid waste are decanted into larger containers (eg. paint and oils) and the potential odour from the fixation pit mixing activity. The decanting activity is an extremely small and localised odour emission such that it can effectively be ignored.

The fixation pit emissions will be a function of the material types that are being fixated. This being an occasional, relatively small-scale and short duration activity, it is not anticipated that this activity will generate significant odour emissions.

Composition and Quantity – The composition of the odour will be dependent on the type of liquid waste being fixated. Some liquids have the potential to generate minor odour, the intensity being dependent on the liquid type and volume being fixated. Because this is a small-scale operation, there will only be low volumes of liquid being decanted; hence, an unlikely source of significant odour.

Variability of Emissions – The emissions will be highly dependent on the liquid waste type and quantity being handled.

Treatment Methodology – Should a particular liquid waste be overly odorous (as identified by the site operations staff), then the waste stream will not be fixated on site and will simply be stored in its original container or possibly decanted into a larger container to prevent odour emissions, before being moved off site.



Monitoring – Odour emissions will be monitored on a continuous basis by site operations staff (olfactory monitoring). It is acknowledged that site staff do become desensitised to odour after being exposed to the same odour for an extended period. The facility also maintains a comprehensive complaints register, which is used as a gauge of success with regards to odour emissions management. In the event that there are odour emission issues identified, formal odour monitoring will be undertaken by an independent third party to determine the extent of the problem and to propose appropriate improved odour management solutions.

Contingency Plans – If significant odour is identified by the onsite attendant or complaints are received from neighbouring properties, the Proponent will address this matter by ceasing the processing of the problematic liquid waste while further investigations are being undertaken. If following the implementation of appropriate solutions, the problematic liquid waste stream may be once again permitted to be fixated on site.

Environmental Receptors – Environmental receptors include the site operations staff and neighbouring properties.

Fugitive Emissions – All emissions are deemed fugitive.

Cumulative Impact – There are some existing odour emissions on site as a result of the existing liquid waste handling and processing activities. The fixation activity could add to the existing odour emissions on site.

Targets and Limits – The method for assessing the extent of the emissions will be based on the number of complaints received from the general public, site operations staff and neighbours. A target of zero complaints is adopted.

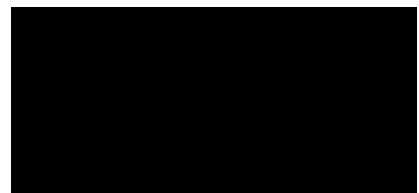
Environmental Risk – Low.

14.5. Noise Emissions

Noise management is to be considered during the operation of the facility. The *Environmental Protection (Noise) Regulations* have restrictions on noise emissions during the period 7.00 pm to 7.00 am, Monday to Saturday. Beyond this time restriction, normal noise regulations for industrial areas apply.

The facility will only be open for waste delivery and handling activities between 7.00 am and 5.00 pm Monday to Saturday; hence, these activities will not be impacted by the reduced allowable noise levels.

Due to the type of waste and the proposed waste handling activities, it is not anticipated that noise emissions will cause a problem by exceeding the allowable levels.



All activities on site are to be carried out in accordance with the *Environmental Protection (Noise) Regulations 1997*.

No noise sources have been identified:

Composition and Quantity – Nil.

Variability of Emissions – Nil.

Treatment Methodology – Nil.

Monitoring – Nil, but by third-party specialist if noise concerns are raised as being a potential problem by the local community.

Contingency Plans – Cease noisy operations if excessive noise is generated. Determine an alternative means of handling the waste material.

Environmental Receptors – Environmental receptors include the site operations staff and neighbouring properties.

Fugitive Emissions – All emissions are deemed fugitive.

Cumulative Impact – Nil

Targets and Limits – As defined by the *Environmental Protection (Noise) Regulations 1997* and nil complaints.

Environmental Risk – The environmental risk on site and to neighbouring properties is considered to be extremely low.

14.6. Light Emissions

There are no light emissions associated with the proposed activities.

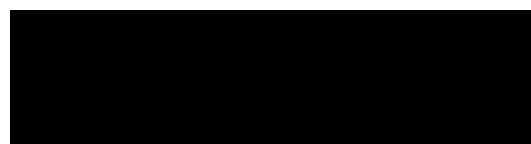
All light spills associated with security lighting will be contained within the property, in accordance with AS4282 - 1997 "*Control of the Obtrusive Effects of Outdoor Lighting*".

14.7. Discharge to Sewer

The PFAS process will include the discharge of processed water to the water Corporation sewer.

The site has an existing Trade Waste Permit that allows for the discharge of PFAS contaminated liquid waste below permitted contamination levels.

The Trade Waste Permit (Number 18431) does not specifically reference the proposed PFAS process; however, the Proponent is in the process of addressing this with the Water Corporation.



14.8. Discharge to Water

There will be no discharge to water.

Composition and Quantity – Nil.

Variability of Emissions – Nil.

Treatment Methodology – Nil.

Monitoring – Nil.

Contingency Plans – Nil.

Environmental Receptors – Nil.

Cumulative Impact – Nil

Targets and Limits – Not Applicable.

Environmental Risk – Nil.

14.9. Discharge to Land

There will be no discharge to land.

Composition and Quantity – Nil.

Variability of Emissions – Nil.

Treatment Methodology – Nil.

Monitoring – Nil.

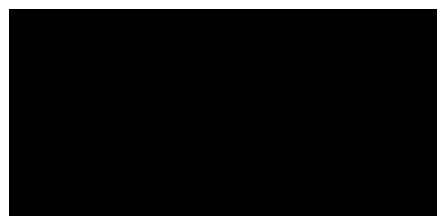
Contingency Plans – Nil.

Environmental Receptors – Nil.

Cumulative Impact – Nil

Targets and Limits – Not Applicable.

Environmental Risk – Nil.



15. Complaints Management System

The Proponent maintains a Complaints Register on site and records all complaints received, including:

- * Complainant, name and contact number;
- * Reason for complaint;
- * Date and time;
- * Duration of incident;
- * Ambient weather conditions;
- * Extenuating circumstances;
- * Actions taken in response to the complaint;
- * Outcome of investigations;
- * Remedial actions; and,
- * Feedback to complainant.

The site is located within an industrial area and the Proponent has been on site for 20 years. The facility has received occasional odour complaints from neighbouring properties, predominantly to the properties to the northwest and west of the site.

In the past year, there have been four recorded complaints. The Proponent maintains an active engagement with the neighbouring properties and encourages the neighbours to make contact when a spike in odour is detected, so that the Proponent can immediately undertake a site inspection to identify the likely cause and take corrective action. This active engagement with the neighbouring properties has worked well in managing the community expectation and minimising future odour incidences.

Due to the scale and type of the proposed activities on site, it is not anticipated that there will be any increased adverse impact on the neighbouring properties that would result in additional complaints being generated.

16. Vegetation Clearing

There is no vegetation clearing associated with the development.

17. Flora and Fauna

There is no vegetation clearing associated with the development. Hence, there has been no flora and fauna study associated with this proposed development.

The area of the proposed development is within an existing industrial site.

18. Fire Management

The Potential Fire Sources include:

- * Unknown ignition sources within the waste material - chemical reactions.

Management Measures include:

- * During operating hours operations staff are to immediately take action to extinguish any fires;
- * The site has existing firefighting capacity, including fire hydrants, hose reels and fire extinguishers;
- * Provision of an additional four 9 kg powder and four additional 9 kg foam fire extinguishers for the DG storage area;
- * The Welshpool Fire Station is located at 380 Welshpool Road, Welshpool and is 3.7 km from the site and can respond to a fire within 15 minutes of being called out; and,
- * Remove flammable material from site as soon as possible after sorting.

There is a low risk of fire associated with the management of the proposed facility.

19. Solid/Liquid Waste

This section deals with the quantities of solid and liquid waste being generated on site, not the material that is being delivered to site.

19.1. Solid Waste

The solid waste generated as a result of the proposed activities includes:

- Saturated activated particulate carbon and ion exchange filters from the PFAS treatment unit; and,
- Spadable mixed waste from the fixation process.

Composition and Quantity – Filters contaminated with PFAS. Fixation material composition will be a function of the input liquid waste and fixation media materials.

Variability of Emissions – Filters will be consistent PFAS contaminated. Fixation material will be a function of the input liquid waste type and fixation media used.

Treatment Method – Moved offsite to the appropriate landfill facility.

Controlled Waste Tracking – Not applicable.

Contingency Plans – Nil.

Environmental Receptors – Nil.

Comparison Against Relevant Standards – Landfill Waste Classification and Waste Definitions 1996 (as amended).

Cumulative Impact – Nil.

Waste Reuse – Nil.

Environmental Risk - Nil.

19.2. Liquid Waste

The liquid waste generated as a result of the proposed activities will be the PFAS filtrate, which will be discharged to the Water Corporation sewer. This is the intended output from the proposed PFAS process and will be significantly less contaminated than the untreated PFAS liquid waste.

Composition and Quantity – Water with extremely low concentrations of PFAS (0.1 ppb). The quantity is unknown, as this is a new and developing aspect of liquid waste treatment; however, based on the proposed infrastructure, the liquid waste discharge will be in batches of maximum 35 kL and at a maximum discharge rate of 12 L/s (as per the Trade Waste Permit).

Variability of Emissions – Nil.

Treatment Method – PFAS treatment unit.

Controlled Waste Tracking – As per DWER Waste Tracking System.

Contingency Plans – Cease processing if sewer is temporarily unavailable.

Environmental Receptors – Nil.

Comparison Against Relevant Standards – Compliance with Trade Waste Permit requirements.

Cumulative Impact – Nil.

Waste Reuse – Nil.

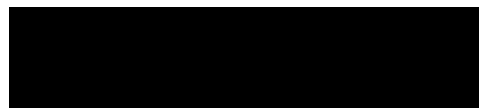
Environmental Risk - Nil.

19.3. Spill Management

In the event of an accidental spillage, the following actions will be undertaken:

- **PFAS Treatment** – The PFAS treatment process occurs in sealed storage tanks and containerised treatment unit, both of which are located within bunded concrete hardstand areas. In the event of a spill, the liquid will be contained within the bunded areas and will either be cleaned up (small spill) or pumped back into one of the storage tanks (larger volume spill).
- **Oily Water and DG Store** – Due to the nature of packaged waste (oily water or DG material), the largest spill would be the volume of a full IBC, which is a maximum of 1,000L.

If there was a spill during the unloading or loading of a waste delivery or collection vehicle the spilt liquid will flow towards the site stormwater collection system. The forklift operator will immediately place a heavy rubber mat over the stormwater inlet to prevent/limit the amount of spilt liquid waste from entering the stormwater system. The spill will then immediately be cleaned up using granular absorbent material and/or absorbent booms. If necessary, available fixation media can also be used to absorb the spilt liquid waste.



The stormwater collection system has an existing triple interceptor at the site discharge point, which will intercept all non-soluble liquid waste that may enter the stormwater system.

If there is a spill within any of the DG storage container unlit, the spilt liquid will flow into the container self-bunded sump tank. The spilt liquid will then be pumped out and put into another IBC.

- **Fixation Process** – The fixation process occurs within an existing bunded area; hence, in the event of a spill, the liquid will be contained within the bunded areas and will either be cleaned up (small spill) or pumped back into one of the storage tanks (larger volume spill). Any spillage of the fixation media or fixated blended product will simply be swept up and the area cleaned.

The site has existing stores of spill absorbent granules and booms that will be used for cleanup purposes. With the addition of the fixation process, there will be available quantities of fixation media that can also be used in the cleanup process.

20. Hydrocarbon/Chemical Storage

20.1. Hydrocarbon Storage

Quantity and Type – There will be no bulk hydrocarbon storage associated with the proposed activities.

20.2. Chemical Storage

Quantity and Type – There will be chemical storage associated with the proposed activities.

21. Contaminated Site Identification

The existing industrial site is not registered as a Contaminated Site. This has been confirmed by a check of the DWER Contaminated Sites Database.

22. Surface Water Management

The site is within an existing industrial estate. All stormwater generated within the proposed development area on site lands on the surrounding concrete hardstand and is directed to the site stormwater system. The site stormwater system incorporates interconnected stormwater inlets that all flow towards the north-eastern corner of the site where there is a triple interceptor to remove solids and oils before the stormwater is discharged to the adjacent stormwater retention basin.

There are no proposed changes to the existing surface water management system on site.



23. Groundwater Management

The Perth Groundwater Atlas indicates that the highest groundwater level is approximately 3.5 m below ground in the vicinity of the proposed works area.

There will be no impact on the groundwater as a result of the proposed development.

24. Risk Assessment

This risk assessment relies on relevant information that has been provided in the above documentation and identifies the potential source, pathway and impact to receptors in accordance with the *Guidance Statement: Risk Assessments* (DER February 2017).

For there to be a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

24.1. Source-Pathway and Receptors

24.1.1. Emissions and Controls

Possible emissions and associated likely pathways of transmission have been identified along with proposed controls.

Emissions and controls associated with existing site activities are managed in accordance with existing facility licence conditions and have not been included in this assessment, other than where there is considered to be a cumulative impact associated with the proposed construction works and subsequent operation of the new infrastructure.

Table 24.1 – Emissions and Controls provides a summary of the potential emissions from the proposed construction activities and subsequent operation of the associated infrastructure and the controls to manage the identified emissions.

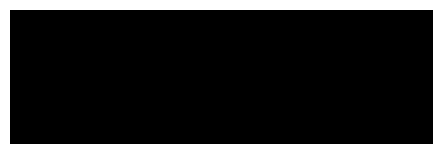


Table 24.1 – Risk Assessment

Emission	Source	Potential Pathway	Proposed Control
Dust	Dust generated during construction – None identified	Air/windborne pathway	No emission identified No controls required during construction
	Dust generated during operation of the new infrastructure: Fixation activity – Loading of fixation media from storage bin to fixation pit	Air/windborne pathway	Minimal emissions identified Slow handling of fixation media by the excavator Fixation media placed in the bottom of the pit and not dropped from height Cease operations if wind generates dust
Noise	Noise generated during construction – None identified	Air/windborne pathway	No emission identified No controls required during construction
	Noise generated during operation of the new infrastructure – None identified	Air/windborne pathway	No emission identified No controls required during operation
Odour	Odour generated during construction – None identified	Air/windborne pathway	No emission identified No controls required during construction
	Odour generated during operation of the new infrastructure: Oily water and DG store – consolidation of compatible materials Fixation pit – mixing of odourous materials	Air/windborne pathway	Minor possibility of odour emissions from the consolidation of small volumes of odourous materials into a larger container: Small volumes of liquid being handled (a few litres up to 100 litres) Low discharge flow rate into larger volume container Operate further away from neighbouring properties Possible emissions from the mixing of odourous materials in the fixation pit: Function of liquid waste type Slow, careful mixing of odourous materials Rejection of excessively odourous materials Undertake activity when wind is blowing away from concerned receptor Physical separation distance between premises and the nearest receptors
Seepage and	Seepage and spillage during construction –	Seepage and spillage to soils and	No emission identified No controls required during construction



Emission	Source	Potential Pathway	Proposed Control
Spillage	None identified	groundwater	
	Seepage and spillage during operation of the new infrastructure – possible contamination if spillage enters the stormwater system and some passes through the triple interceptor and flows into the stormwater basin and then into the groundwater	Seepage and spillage to soils and groundwater	Concrete hardstand Most new infrastructure installed within existing bunded areas Only small quantities of waste handled outside of bunded areas (max 1 kL IBC's) Heavy rubber mats placed over stormwater inlets Spill absorbent granules and booms available to cleanup spills Triple interceptor on stormwater outlet
Litter	None identified associated with proposed construction activities or subsequent operation of new infrastructure	Air/windborne pathway	No emission identified No controls required during construction
Fire/Smoke	Fire in the DG storage area	Air/windborne pathway	Adequate separation of DG materials Multiple DG storage containers Existing site firefighting infrastructure and capability Eight additional fire extinguishers provided at the DG store
Fire debris and washwaters	Firefighting activities during construction - None identified	Seepage to soils and groundwater	No emission identified No controls required during construction
	Firefighting activities - Fire in the DG storage area	Seepage to soils and groundwater	Maximum 2 kL of DG material stored in any one DG storage container; hence, a small fire load Existing site firefighting infrastructure and capability Eight additional fire extinguishers provided at the DG store Preference not to use water for fighting a chemical fire Sealing of stormwater inlets to prevent/limit fire foam/waste ingress into the stormwater system Pumping accumulated firefighting water into on-site containment tanks, pits and bunded areas to prevent ingress into the stormwater system



24.1.2. Receptors

With the site being an existing waste management facility and hence having been through previous works approval and licence assessments, the site receptors are well established.

Employees, visitors and contractors on site have not been included in the list of receptors, as these parties are considered as being associated with the proposed development and hence, protected by site operating procedures, management strategies and relevant State legislation.

Table 24.2 – Receptors provides a comprehensive summary of the human and environmental receptors surrounding the site (*source DWER Amendment Report for Licence L7639/2000/8, dated 17 October 2023*).

Table 24.2 – Receptors

Receptor ID	Human Receptor	Distance from Prescribed Activity
H1	Light industrial premises (Ewing and Radium Streets, Welshpool)	Immediately adjacent to northern (industrial units,) eastern (industrial units) and southern (Horizon West Bus Charters) premises boundaries
H2	Radium Street Lunch Bar, 2/126-128 Radium Street, Welshpool	Approximately 140m southeast of eastern premises boundary
H3	Bentley Residential Area (Merian Close, Bentley)	Approximately 420 m south-west of the southern premises boundary
H4	Queens Park Residential Area (Mills Street, Queens Park)	Approximately 500m southeast of the southern premises boundary - down hydraulic gradient
Receptor ID	Environmental Receptor	Distance from Prescribed Activity
E1	Water Corp Storm Water Catchment, to the rear of 133 Welshpool Rd, Welshpool	Immediately abutting northern premises boundary
E2	Water Corporation compensating basin between Radium Street and Mills Road, Queens Park	Approximately 300m east of premises boundary- down hydraulic gradient
E3	Threatened Ecological Community - Priority 3 Endangered Banksia Woodlands of the Swan Coastal Plain ecological community	Immediately abutting northern premises boundary
NW	RIWI Act - Perth Groundwater Area	The premises lies within the proclaimed Perth Groundwater Area



Figure 1 – Distance to Human and Environmental Receptors from Premises Boundary (pink)



Source: DWER Facility Licence L7639/2000/8 Amendment Report



24.1.3. Risk Ratings

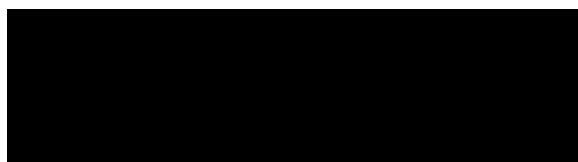
Risk ratings have been assessed in accordance with the *Guidance Statement: Risk Assessments* (DER February 2017) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages. Where linkages are in-complete they have not been considered further in the risk assessment.

Table 24.3 Risk Rating Matrix

Likelihood	Consequence				
	Slight	Minor	Moderate	Major	Severe
Almost certain	Medium	High	High	Extreme	Extreme
Likely	Medium	Medium	High	High	Extreme
Possible	Low	Medium	Medium	High	Extreme
Unlikely	Low	Medium	Medium	Medium	High
Rare	Low	Low	Medium	Medium	High

Table 24.4 – Risk Ratings

Risk Event				Risk Rating
Source/Activity	Potential Emission	Potential Pathway and Impact	Receptor	C = Consequence L = Likelihood
Construction activities				
Construction of fixation pit	Dust	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Rare Low Risk
	Noise	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Unlikely Low Risk
	Odour	Air/windborne pathway causing health and amenity	Nearest residential property	Not Applicable
Operations				
PFAS Treatment	Dust	Air/windborne pathway causing health and amenity	Nearest residential property	Not Applicable
	Noise	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Rare Low Risk



Risk Event				Risk Rating
Source/Activity	Potential Emission	Potential Pathway and Impact	Receptor	C = Consequence L = Likelihood
	Odour	Air/windborne pathway causing health and amenity	Nearest residential property	Not Applicable
	Seepage	Air/windborne pathway causing health and amenity	Local groundwater users, groundwater dependent wetlands	C = Slight L = Unlikely Low Risk
Oily Water and DG Store	Dust	Air/windborne pathway causing health and amenity	Nearest residential property	Not Applicable
	Noise	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Unlikely Low Risk
	Odour	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Unlikely Low Risk
	Seepage	Air/windborne pathway causing health and amenity	Local groundwater users, groundwater dependent wetlands	C = Slight L = Unlikely Low Risk
Fixation Pond	Dust	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Unlikely Low Risk
	Noise	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Unlikely Low Risk
	Odour	Air/windborne pathway causing health and amenity	Nearest residential property	C = Slight L = Possible Low Risk
	Seepage	Air/windborne pathway causing health and amenity	Local groundwater users, groundwater dependent wetlands	C = Slight L = Rate Low Risk

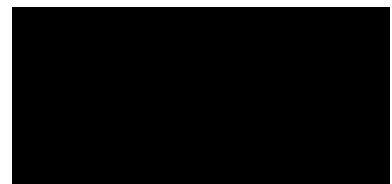


Appendices

Appendix No. 1 – Prescribed Premises Boundary

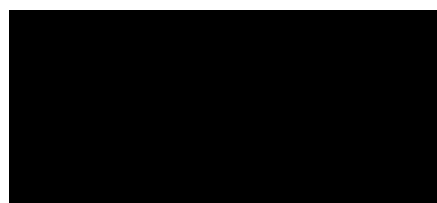
Appendix No. 2 – Trade Waste Permit

Appendix No. 3 – Drawings



Appendix No. 1 – Prescribed Premises Boundary

This page is intentionally left blank.



Schedule 1: Maps

Premises map

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

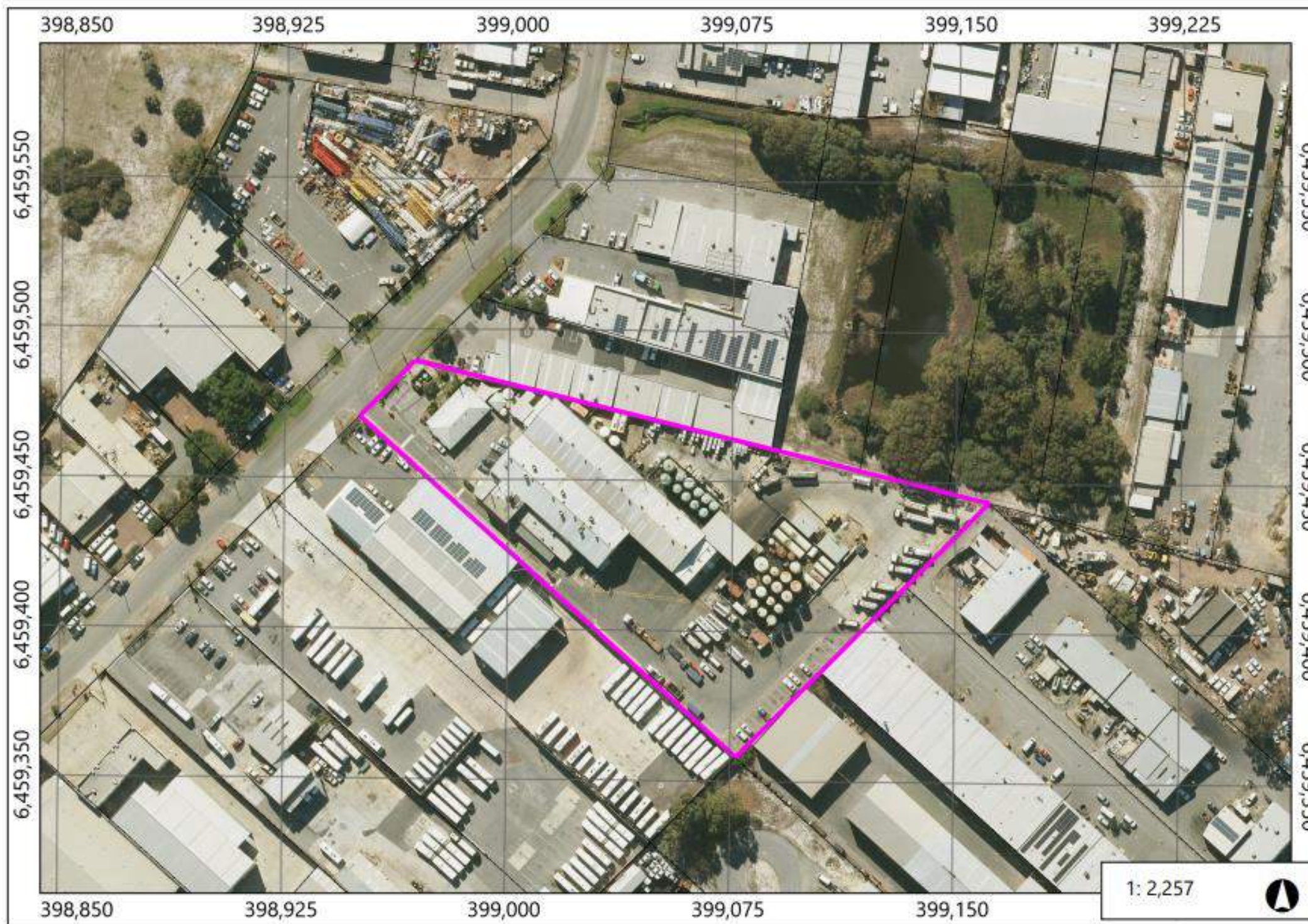
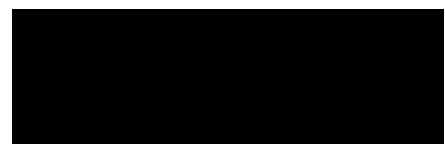


Figure 1: Map of the boundary of the prescribed premises (GDA94 Zone 50)

Appendix No. 2 – Trade Waste Permit

This page is intentionally left blank.



Trade Waste Permit

Permit No: 18431
 Issue To: Western Resource Recovery Pty Ltd
 ABN: 91 099 144 180
 Trading As: Western Resource Recovery
 Located At: 113 Ewing St
 WELSHPOOL WA 6106

Effective From: 25/05/2023

Approved trade waste discharge(s):

Process	Business parameters	Pre-treatment
Open areas (Hard stand)		#4,#5
Wastewater Treatment (Grease arrestor wastewater)		#6,#7,#8,#9,#10,#11
Wastewater Treatment (Oily wastewater)		#4,#5
Wastewater Treatment (Septage wastewater)		#1,#2,#3,#4

Installed pre-treatment equipment and required maintenance:

#	Equipment Type	Location	Size	Maintenance
1	Balancing Or Holding Tank	Behind treatment plant - store septage wastewater ([3 of 11] x 47 kL)	141000 L	
2	Balancing Or Holding Tank	Sludge tank	10000 L	
3	Screen – Rotary	Screw press	N/A	
4	Clarifier	Treatment plant - chemical & biological wastewater separate (2 x 35 kL)	70000 L	
5	Balancing Or Holding Tank	Behind treatment plant - store oily wastewater ([3 of 11] x 47 kL)	141000 L	
6	Balancing Or Holding Tank	Behind treatment plant - store non / partial / treated grease arrestor wastewater ([3 of 11] x 47 kL)	141000 L	
7	Screen – Rotary	Treatment plant	46800 L/h	
8	Balancing Or Holding Tank	Treatment tank - batch tanks (2 x 15 kL)	30000 L	
9	Balancing Or Holding Tank	Treatment tank - settling tanks (4 x 12 kL)	48000 L	
10	Balancing Or Holding Tank	Treatment tank - balance tank	15000 L	
11	Dissolved Air Flootation Unit	Treatment plant	10000 L/h	As per manufacturer's instructions
12	Balancing Or Holding Tank	Holding tanks - treated wastewater (3 x 30 kL)	90000 L	

Conditions of approval:

Special

- Conditions as set out in Special Conditions for Self-monitoring of Trade Waste V3 Permit 18431 V16.

General

- Your discharge must comply at all times with the Corporation's Acceptance Criteria for Trade Waste unless otherwise specified in this permit.
- The concentration of Biological Oxygen Demand is not to exceed 3,000 mg/L and a maximum daily discharge of 600 kg.
- The concentration of Total Petroleum Hydrocarbons is not to exceed 30 mg/L.
- The concentration of Total Dissolved Solids is not to exceed 20,000 mg/L and a maximum daily discharge, on any one day, of 1000 kg.
- PFOS plus PFHxS is to be less than 0.1 ug/L and PFOA less than 0.1 ug/L.
- pH must be within the range 6 - 10 pH units upon discharge to sewer.

Conditions of approval:

- The probes on the pH correction system are to be inspected, cleaned and re-calibrated regularly. The frequency should be appropriate to the waste profile and ensure accuracy of better than 0.5 pH units. A record of the calibration checks and the outcomes is to be maintained and made available on request.
- The Water Corporation may request immediate cessation of discharge (at short notice), if urgent sewer entry is required in the downstream sewer.
- The wastewater is to discharge via an approved flow meter which is to be kept in working order at all times. The flow meter is to be maintained in accordance with the manufacturer's recommendations.
- All pre-treatment must be maintained in working order. Any process failure that affects the quality of the discharge is to be reported immediately, including a meter failure.
- The business is subject to quality and quantity charges which reflect the costs incurred by the Water Corporation in the collection, treatment and disposal of the trade waste. Trade waste quantity will be determined from your effluent meter. The trade waste quality will be determined from an ongoing program of periodic sampling and laboratory testing of your discharge.

Discharge

- The maximum instantaneous discharge rate to sewer is not to exceed 12 L/s.
- The volume of trade waste discharge is not to exceed 400 kL/day, in any one day.

Relevant Information (web links)

- Acceptance criteria for trade waste
- Trade waste charges
- Trade waste monitoring points
- Trade waste permits
- Trade waste flow metering

General Conditions

1 Discharge

- (a) The approval holder must ensure that trade waste is discharged:
 - (1) from waste producing processes;
 - (2) by pretreatment and monitoring equipment; and
 - (3) within the quality, quantity and rate discharge limits specified in this approval.
- (b) The Water Corporation will determine, in its absolute discretion, whether the approval holder has complied with the quality, quantity and rate of trade waste discharge limits specified in this approval.
- (c) The approval holder must immediately report to the Water Corporation any failure of a fixture, fitting or pipe that is part of or connected to the property sewer connection or any other event that impacts or is likely to impact on the quality or quantity of trade waste discharged by the approval holder.
- (d) The approval holder must obtain the Water Corporation's written consent before changing:
 - (1) the process of discharging trade waste;
 - (2) any fixture, fitting or pipe that is part of or connected to the property sewer connection; or
 - (3) the nature, quality, discharge rate or discharge volume of trade waste.

2 Maintenance of fittings, fixtures and pipes

The approval holder must:

- (a) appropriately maintain all fixtures, fittings and pipes that are part of or connected to the property sewer connection;
- (b) appropriately install any fixtures, fittings and pipes that are required to be installed as a condition of this approval in accordance with Water Corporation requirements and standards
- (c) provide the Water Corporation with written notice of any pump out of trade waste pretreatment and monitoring equipment within 7 days of the clearance.

3 Charges and fees

The approval holder must pay all charges and fees applicable to this approval.

4 Close of business

The approval holder must provide the Water Corporation with written notice within 14 days of the approval holder selling or closing its business conducted on the property applicable to this approval.

5 Indemnity

The approval holder indemnifies the Water Corporation in respect of any claim, action, damage, loss, cost, charge, expense, outgoing or payment which the Water Corporation suffers, incurs or is liable for in respect of any accident, damage, loss or injury to:

- (a) the Water Corporation's sewer or other property;
 - (b) any authorised officer, servant, agent, contractor or employee of the Water Corporation; or
 - (c) any third party,
- directly or indirectly arising from the approval holder's breach of the conditions of this approval.

6 Interruptions to service

- (a) The Water Corporation may from time to time, prevent or restrict the approval holder from discharging trade waste during any maintenance or inspection of the Water Corporation's sewers or related works.
- (b) The approval holder will not be compensated for any interruption to the approval holder's ability to discharge trade waste.

7 Right of entry

The Water Corporation or any authorised officer, servant, agent, contractor or employee of the Water Corporation may, at any time and without notice, enter the approval holder's property to read meters, conduct an inspection, review maintenance records, take samples, attach identification tags to any fixtures or fittings that are part of or connected to the property sewer connection or obtain evidence in relation to the approval holder's breach or suspected breach of this approval.

8 Approval details to be correct

- (a) This approval is void where any information or detail included in this approval is altered or incorrect.
- (b) The approval holder must immediately provide the Water Corporation with written notice of any incorrect information or detail included in this approval.

9 Compliance with laws

The approval holder must comply, and ensure that all officers, servants, agents, contractors or employees of the approval holder comply, with all relevant laws and the conditions of this approval, when discharging trade waste.

10 Breach of approval

If the approval holder breaches any condition of this approval, the Water Corporation may do one or more of the following:

- (a) give a compliance notice to the approval holder;
- (b) amend the conditions of this approval, including so that the discharge of trade waste is no longer covered by this approval;
- (c) revoke this approval; or
- (d) seek an order against the approval holder under section 127 of the Water Services Act 2012 (WA) for the recovery of the water service charges, including interest.

11 Transfer of approval

At the written request of the approval holder, or an incoming occupier or owner of the property applicable to this approval, the Water Corporation may, in its absolute discretion, transfer this approval to the incoming occupier or owner of the property.

12 Amendment of approval

- (a) This approval and its conditions supersede any other trade waste discharge approval or permit issued by the Water Corporation prior to the date of this approval.
- (b) The Water Corporation may amend or remove any condition of, or impose a new condition on, this approval at any time by written notice, including upon the transfer of this approval under condition 11 of this approval.
- (c) At the written request of the approval holder, the Water Corporation may, in its absolute discretion, amend the conditions of this approval.

13 Privacy

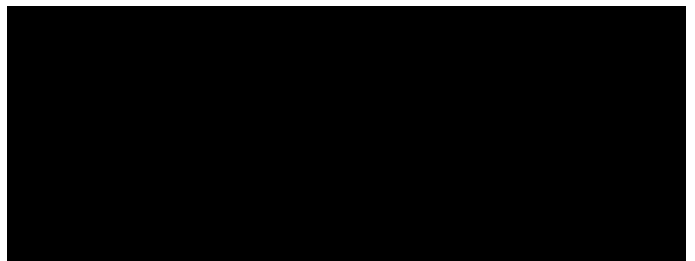
The Water Corporation may provide grease arrestor clearance information to liquid waste contractors engaged in the servicing of grease arrestors, including:

- (a) the grease arrestor barcode;
- (b) the required pump out frequency; and
- (c) business identification details,

for the purpose of ensuring that the conditions of this approval are complied with.

Appendix No. 3 – Drawings

This page is intentionally left blank.





FOR APPROVAL
18 JANUARY 2024

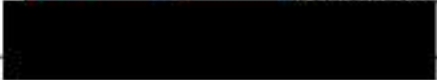
No.	BY	DATE	DESCRIPTION	ENGL. D.N.	DP	DATE
A	T.E.W.	18/01/24	CONCEPT	DES. D.N.	I.W.	18/01/24

TECHNICALLY APPROVED:



WESTERN RESOURCE RECOVERY PTY LTD
113 EWING STREET WELSH-POOL
ADDITIONAL WASTE MANAGEMENT ACTIVITIES
SITE LAYOUT

SCALE	AS ABOVE
SHEET	
DRG No.	WRR-100





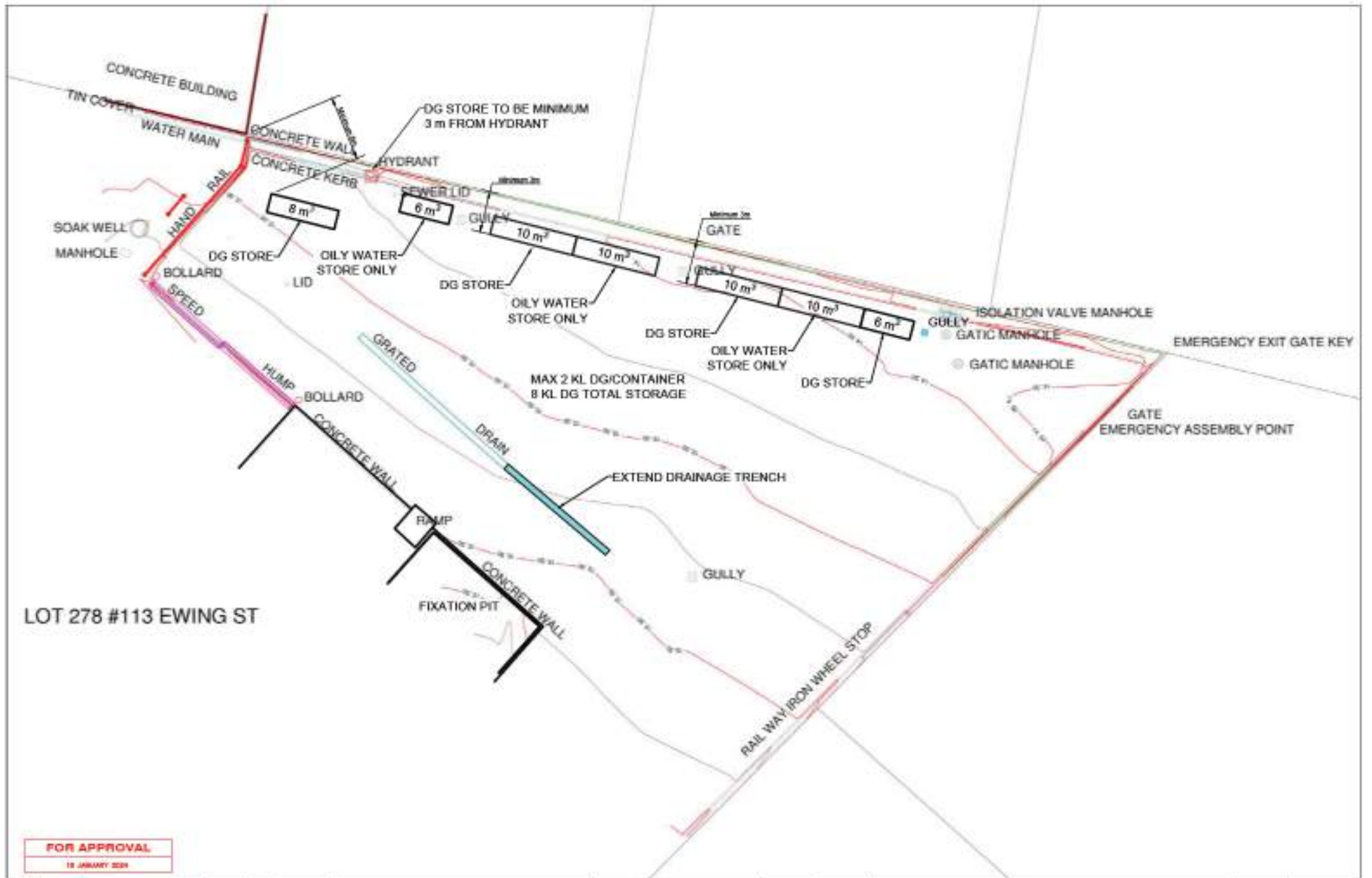
FOR APPROVAL
18 JANUARY 2024

NO.	BY	DATE	DESCRIPTION	ENGL. CHK.	BY	DATE	TECHNICALLY APPROVED:
A	T&W	16/01/24	CONCEPT	DECL. CHK.	UN	16/01/24	



COPYRIGHT ©
WESTERN RESOURCE RECOVERY PTY LTD
ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT
MAY BE REPRODUCED OR TRANSMITTED IN ANY
FORM OR BY ANY MEANS, ELECTRONIC OR
MECHANICAL, INCLUDING PHOTOCOPYING,
RECORDING, OR BY ANY INFORMATION
STORAGE AND RETRIEVAL SYSTEM, WITHOUT
THE WRITTEN PERMISSION OF WESTERN
RESOURCE RECOVERY PTY LTD.

WESTERN RESOURCE RECOVERY PTY LTD		SCALE	AS ABOVE
113 EWING STREET WELSHPOOL		SHEET	
ADDITIONAL WASTE MANAGEMENT ACTIVITIES		REVISION	A
DETAILED LAYOUT		DRG No.	WRR-101



LOT 278 #113 EWING ST

FOR APPROVAL
18 JANUARY 2024

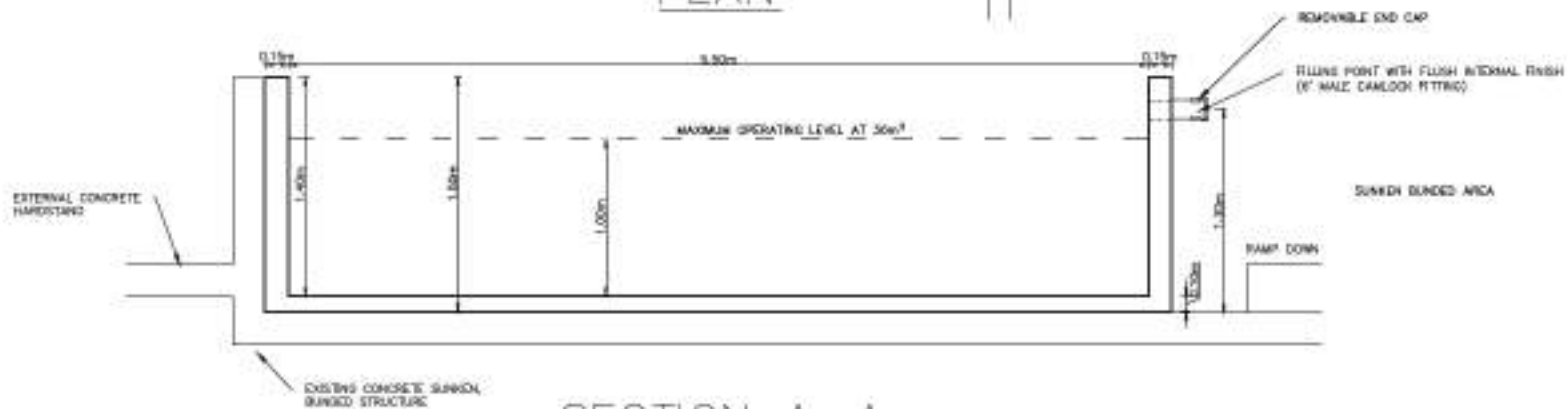
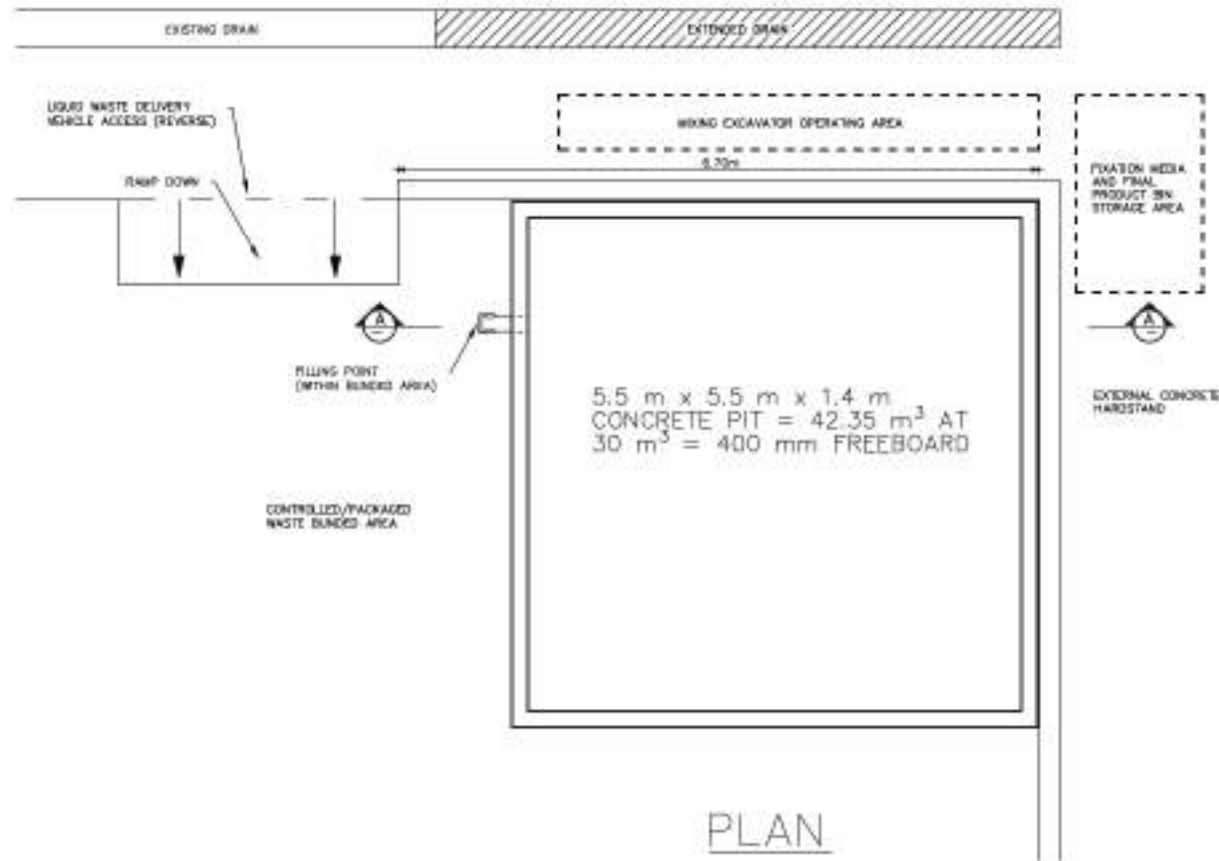
No.	BY	DAT	DESCRIPTION	DRG. D.N.	BY	DAT
A	TGM	18/01/24	CONCEPT	DCL	OK	18/01/24

TECHNICALLY APPROVED:



COPYRIGHT ©
2024 WESTERN RESOURCE RECOVERY PTY LTD
ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF WESTERN RESOURCE RECOVERY PTY LTD AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF WESTERN RESOURCE RECOVERY PTY LTD.

WESTERN RESOURCE RECOVERY PTY LTD	SCALE	N/A
113 EWING STREET WELSHPOOL ADDITIONAL WASTE MANAGEMENT ACTIVITIES OILY WATER AND DG STORAGE AREA	SHEET	
	REVISION	A
	DRG No.	WRR-102



FOR APPROVAL

10 JANUARY 2024

No.	BY	DATE	DESCRIPTION	ENGR. D.T.H.	BY	DATE
A	T&W	16/01/24	CONCEPT	DES. CHK.	LR	16/01/24

TECHNICALLY APPROVED:

iw Projects

COPYRIGHT ©
WESTERN RESOURCE RECOVERY PTY LTD
ALL RIGHTS RESERVED. NO PART OF THIS
DOCUMENT IS TO BE REPRODUCED OR
TRANSMITTED IN ANY FORM OR BY ANY
MEANS, ELECTRONIC OR MECHANICAL,
INCLUDING PHOTOCOPYING, RECORDING,
OR BY ANY INFORMATION STORAGE AND
RETRIEVAL SYSTEM, WITHOUT THE
WRITTEN PERMISSION OF WESTERN
RESOURCE RECOVERY PTY LTD.

WESTERN RESOURCE RECOVERY PTY LTD

113 EWING STREET WELSHPOOL
ADDITIONAL WASTE MANAGEMENT ACTIVITIES
FIXATION PIT DETAIL

SCALE

N/A

SHEET

DRG No.

WRR-103