

CPM Ref: ENVDR-1084915769-4320

20 March 2024



[REDACTED]

Department of Water and Environmental Regulation
Locked Bag 10
JOONDALUP DC WA 6919

Dear Sir / Madam

SINO IRON PROJECT DESALINATION PLANT AND BULK LOADING FACILITY - APPLICATION TO RENEW L8758/2013/1

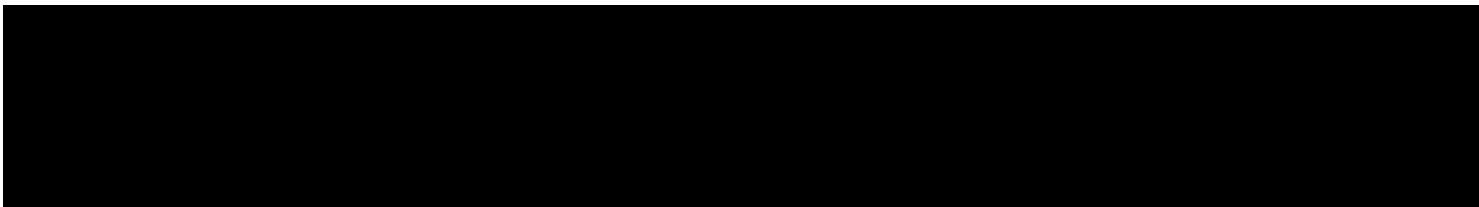
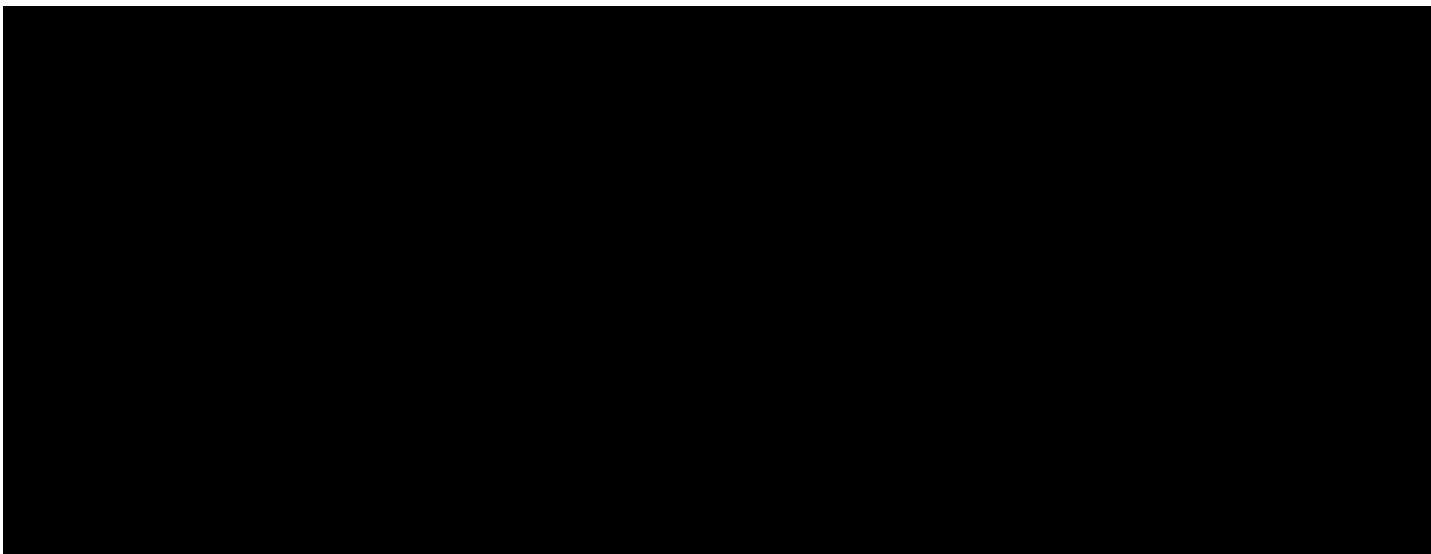
CITIC Pacific Mining Management Pty Ltd (CPM) is applying for renewal of the Sino Iron Ore Project desalination plant and bulk loading facility licence.

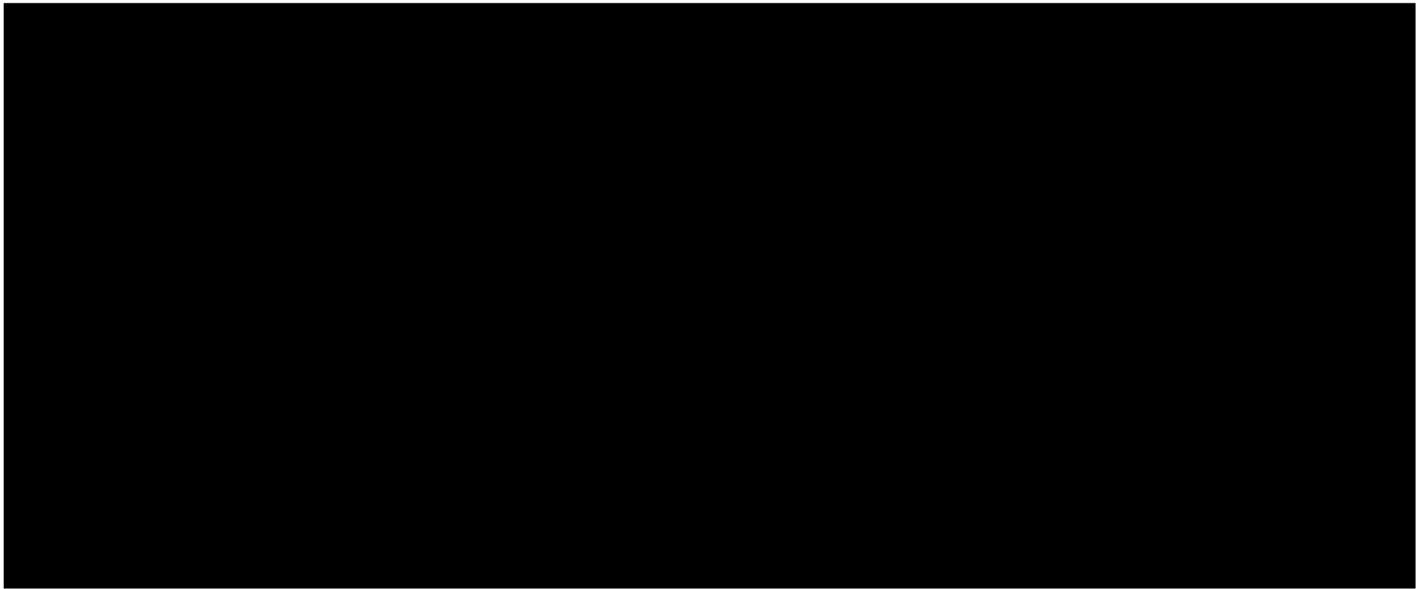
CPM is seeking an administrative renewal as no changes to prescribed premises categories, throughput, infrastructure, emissions and waste have been proposed with this renewal. Due to the project's longevity, CPM is requesting a 20-year licence in accordance with the DWER Guidance Statement on Licence Duration.

Furthermore, CPM proposes adding "whilst in operation" after the word "continuous" in *Table 4: Monitoring of point source emissions to surface water* of the licence to allow for maintenance activities.

Find also enclosed within Attachment B an updated premise map.

For your convenience find included the following Attachment table.





Application Form: Licence Renewal L8758/2013/1



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: **L8758/2013/1**
- 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?** **Yes**

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.

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

54A: Water desalination plant
58: Bulk material, loading or unloading

- 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:							
<ul style="list-style-type: none"> 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.	CITIC Pacific Mining Management Pty Ltd					
	ACN (if applicable):	119 578 371					
2.2	Trading as (if applicable):						
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.	[Redacted]					
		<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>	<table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	Yes	No	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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.	[Redacted] 00					
2.5	Postal address for all other correspondence: If different from Section 2.4.	[Redacted]					

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.			
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 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 checked="" type="checkbox"/>	
		Occupier of prescribed premise L8758/2013/1		
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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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			N/A	Yes
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>As per schedule 1 of L8758/2013/1 Mining Tenement G08/52</p> <p>Sino Iron Project Desalination Plant and Bulk Loading Facility</p>		
3.2	<p>Local Government Authority area: City, Town, or Shire.</p>	City of Karratha		
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>			
Attachments			N/A	Yes
3.4	<p>Attachment 2: Premises map(s)</p> <p>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"/>	

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.

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

	Infrastructure and equipment	Relevant categories (if known)	Site plan reference	CCI? (mark if yes)	Environmental commissioning? (mark if yes)
1.	Water desalination plant	54a	As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
2.	Bulk material loading facility	58	As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
3.	Environment Pond #1 (Dewatering)		As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
4.	Environment Pond #2 (Stockyard)		As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
5.	Seawater intake		As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
6.	Brine outfall		As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
7.	Dewatering Plant		As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>
8.	Port Stockpile		As labelled on Premise Map	<input type="checkbox"/>	<input type="checkbox"/>

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):</p> <p>n/a</p> <p>Environmental commissioning activities (if applicable): Refer to the Guideline: Industry Regulation Guide to Licensing for further guidance.</p> <p>n/a</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.</p> <p>n/a</p> <p>Operations activities (for a licence):</p> <p>Administrative renewal for ongoing operation of Desalination Plant and Bulk Loading Facility as outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676 No new activities or infrastructure proposed.</p>
4.3	<p>Estimated operating period of the project / premises (e.g. based on estimated infrastructure life):</p> <p>25+ years</p>
4.4	<p>Proposed date(s) for commencement of works (if applicable):</p> <p>n/a</p>
4.5	<p>Proposed date(s) for conclusion of works construction (if applicable):</p> <p>n/a</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):</p> <p>n/a</p>

Part 4: Proposed activities				
Refer to the Guideline: Industry Regulation Guide to Licensing .				
4.7	Proposed date/s for commencement of time limited operations under works approval (if applicable): Refer to the Guideline: Industry Regulation Guide to Licensing .	n/a		
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.	54A – 44 GL/annum 58 – 252,000 t/day		
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.	54A - up to 44 GL/annum 58 - up to 252,000 t/day		
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 type="checkbox"/>	<input checked="" type="checkbox"/>
4.11	Attachment 3A: Environmental commissioning plan	<p>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.</p> <p>The environmental commissioning plan is expected to include, at minimum, identification of:</p> <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. <p>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.</p>	<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 checked="" type="checkbox"/>	<input 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):	n/a		

Part 4: Proposed activities			
4.14	Details of any relevant exemptions: Refer to DWER's A guide to the exemptions and regulations for clearing native vegetation .		
4.15	Proposed method of clearing:	n/a	
4.16	Period within which clearing is proposed to be undertaken: For example, May 2020 – June 2020.	n/a	
4.17	Purpose of clearing: n/a		
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) IBSA number(s)	<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. 				
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:	
<ul style="list-style-type: none"> 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	
<p>6.1 Have you had any pre-application / pre-referral / scoping meetings with DWER regarding any planned applications?</p>	<p><input checked="" type="checkbox"/> No</p> <p><input type="checkbox"/> Yes – provide details:</p> <div style="border: 1px solid black; height: 40px; width: 100%; margin-top: 5px;"></div>
Environmental impact assessment (Part IV of the EP Act)	
<p>6.2 Have you referred or do you intend to refer the proposal to the EPA?</p> <p>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".</p> <p>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.</p> <p>If a relevant Ministerial Statement already exists, please provide the MS number in the space provided.</p>	<p><input type="checkbox"/> Yes (referred) – reference (if known): []</p> <p><input type="checkbox"/> Yes – intend to refer (proposal is a 'significant proposal') <input type="checkbox"/> Yes – intend to refer (proposal will require a s.45C amendment to the current Ministerial Statement): MS []</p> <p><input checked="" type="checkbox"/> No – valid Ministerial Statements apply: MS635, MS822, MS1066 & MS1169</p> <p><input type="checkbox"/> No – not a 'significant proposal'</p>
Clearing of native vegetation (Part V Division 2 of the EP Act and Country Area Water Supply Act 1947)	
<p>6.3 Have you applied or do you intend to apply for a native vegetation clearing permit?</p> <p>In accordance with the Guideline: Industry Regulation Guide to Licensing and Procedure: Native vegetation clearing permits, where clearing of native vegetation:</p> <ul style="list-style-type: none"> 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), <p>the clearing will not be reassessed by DWER or be subject to any additional controls by DWER.</p> <p>If the proposed clearing action is to be assessed in accordance with, or under, an <i>Environment Protection and Biodiversity Conservation Act</i> (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.</p>	<p><input type="checkbox"/> Yes – clearing application reference (if known): CPS []</p> <p><input type="checkbox"/> Yes – a valid EP Act clearing permit already applies: CPS []</p> <p><input type="checkbox"/> No – this application includes clearing (please complete Sections 4.13 to 4.19 above)</p> <p><input checked="" type="checkbox"/> No – permit not required (no clearing of native vegetation)</p> <p><input type="checkbox"/> No – permit not required (clearing referral decision): CPS []</p> <p><input type="checkbox"/> No – an exemption applies (explain why):</p> <div style="border: 1px solid black; height: 40px; width: 100%; margin-top: 5px;"></div>

Part 6: Other DWER approvals	
<p>6.4 Have you applied or do you intend to apply for a <i>Country Area Water Supply Act 1947</i> licence?</p> <p>If a clearing exemption applies in a <i>Country Area Water Supply Act 1947</i> (CAWS Act) controlled catchment, or if compensation has previously been paid to retain the subject vegetation, a CAWS Act clearing licence is required.</p> <p>If yes, contact the relevant DWER regional office for a Form 1 <i>Application for licence</i>.</p> <p>Map of CAWS Act controlled catchments</p>	<p><input type="checkbox"/> Yes – application reference (if known): []</p> <p><input type="checkbox"/> No – a valid licence applies: []</p> <p><input checked="" type="checkbox"/> No – licence not required</p>
Water licences and permits (<i>Rights in Water and Irrigation Act 1914</i>)	
<p>6.5 Have you applied, or do you intend to apply for:</p> <ol style="list-style-type: none"> 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? <p>For further guidance on water licences and permits under the <i>Rights in Water and Irrigation Act 1914</i>, refer to the Procedure: Water licences and permits.</p>	<p><input type="checkbox"/> Yes –application reference (if known): []</p> <p><input type="checkbox"/> No – a valid licence / permit applies: []</p> <p><input type="checkbox"/> No – an exemption applies (explain why):</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p><input checked="" type="checkbox"/> No – licence / permit not required</p>

Part 7: Other approvals and consultation				
INSTRUCTIONS:				
<ul style="list-style-type: none"> • Please provide copies of all relevant documentation indicated below, including any conditions, exclusions, or expiry dates. • “Major Project” means: <ul style="list-style-type: none"> ➢ 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 type="checkbox"/>	<input checked="" type="checkbox"/>	
7.2	Is the proposal subject to a State Agreement Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	If yes, specify which Act:	Iron Ore Processing (Mineralogy Pty Ltd) Agreement Act 2002		
7.3	Has the proposal been allocated to a “Lead Agency” (as defined in the Lead Agency Framework)?	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If yes, please specify referral, assessment and/or approval number:	Sino Iron Ore Continuation Proposal (EPBC2017/7862)		
7.5	Has the proposal obtained all relevant planning approvals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If planning approval is necessary but has not been obtained, please provide details indicating why:			
	If planning approval is not necessary, please provide details indicating why:			

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 checked="" type="checkbox"/>	<input 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: L8308/2008/2 L8659/2012/2 L8310/2008/3			
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"/>

Part 8: Applicant history				
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"/>
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).		

Part 9: Emissions, discharges, and waste

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

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.

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

	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.	Administrative renewal only – no changes to license proposed.			Emission controls are applied as outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676	
2.					
3.					
4.					
5.					
6.					
7.					

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 checked="" type="checkbox"/>	<input type="checkbox"/>
(b)	Is waste produced on the premises?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c)	Is waste processed on the premises?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d)	Is waste stored on the premises?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>											
	Specify, if yes:															
<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> <table border="1"> <thead> <tr> <th></th> <th>Waste type</th> <th>Quantity (e.g. tonnes, litres, cubic metres)</th> <th>Waste activity infrastructure (including specifications)</th> <th>Monitoring (if applicable)</th> <th>Location (on site layout plan – see 3.4)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Administrative renewal only – no changes to licence proposed.</td> <td></td> <td></td> <td>Monitoring as outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676</td> <td></td> </tr> </tbody> </table>						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.	Administrative renewal only – no changes to licence proposed.			Monitoring as outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676	
	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.	Administrative renewal only – no changes to licence proposed.			Monitoring as outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676												
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 checked="" type="checkbox"/>	<input 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		
10.1	<p>Sensitive land uses</p> <p>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>	<p>Administrative renewal only – no changes to license proposed.</p> <p>Sensitive human and environmental receptors as outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676</p>
10.2	<p>Nearby environmentally sensitive receptors and aspects</p> <p>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.); 	

Part 10: Siting and location

- 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.

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

Table 10.2: Nearby environmentally sensitive receptors and aspects

Type / classification	Description	Distance + direction to premises boundary	Proposed controls to prevent or mitigate adverse impacts (if applicable)
Environmentally Sensitive Areas ¹	Administrative renewal only – no changes to license proposed.		Controls to prevent/ mitigate adverse impacts to sensitive human and environmental receptors are outlined in the Decision Document dated 18/08/2018 and Amendment Report dated 24/09/2021. DWER-File Number DER2015/000676
Threatened Ecological Communities	As above		As above
Threatened and/or priority fauna	As above		As above
Threatened and/or priority flora	As above		As above
Aboriginal and other heritage sites ²	As above		As above
Public drinking water source areas ³	As above		As above
Rivers, lakes, oceans, and other bodies of surface water, etc.	As above		As above
Acid sulfate soils	As above		As above
Other	As above		As above

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.

10.3 Environmental siting context details

Provide further information including details on topography, climate, geology, soil type, hydrology, and hydrogeology at the premises.

n/a

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
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Part 11: Submission of any other relevant information				
11.1	Attachment 8: Additional information submitted	<p>Applicants seeking to submit further information may include information labelled Attachment 8. If submitting multiple additional attachments, label them 8A, 8B, etc.</p> <p>Where additional documentation is submitted, please specify the name of documents below.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
List title of additional document(s) attached:		- Updated Prescribed Premise Map – <i>Cape Preston Prescribed Premise Boundary</i>		

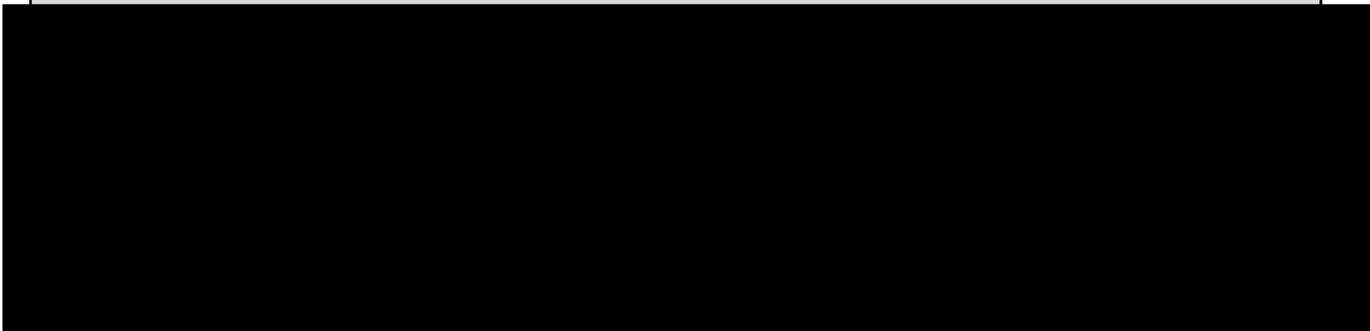
Part 12: Category checklist(s)				
Attachments			N/A	Yes
12.1	Attachment 9: Category checklist(s)	<p>DWER has developed category checklists to assist applicants with preparing their application.</p> <p>These checklists are available on DWER's website.</p> <p>The relevant category-specific checklist(s) must be completed and included with the application, labelled as Attachment 9. If attaching multiple category checklists, label them 9A, 9B, etc.</p> <p>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	
<p>INSTRUCTIONS:</p> <p>Please calculate the prescribed fee using the relevant online fee calculator linked below.</p> <ul style="list-style-type: none"> • 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 <p>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.</p> <p>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.</p> <p>Further information on fees can be found in the Fact Sheet: Industry Regulation fees, and on DWER's website.</p>	
<p>13.1 Only the relevant fee calculations are to be completed as follows: <i>[mark the box to indicate sections completed]</i></p>	<p><input type="checkbox"/> Section 13.3 for works approval applications</p> <p><input checked="" type="checkbox"/> Section 13.4 for licence / renewal applications</p> <p><input type="checkbox"/> Section 13.5 for registration applications</p> <p><input type="checkbox"/> Section 13.6 for amendment applications</p> <p><input type="checkbox"/> Section 13.7 for applications requiring clearing of native vegetation</p>
<p>13.2 All information and data used for the calculation of proposed fees has been provided in accordance with Section 13.8.</p>	<input type="checkbox"/>
<p>13.3 Proposed works approval fee</p> <p>Proposed works approval fee (see Schedule 3 of the EP Regulations)</p> <p>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.</p> <p>Costs exclude:</p> <ul style="list-style-type: none"> - 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
Cost of works: \$	\$

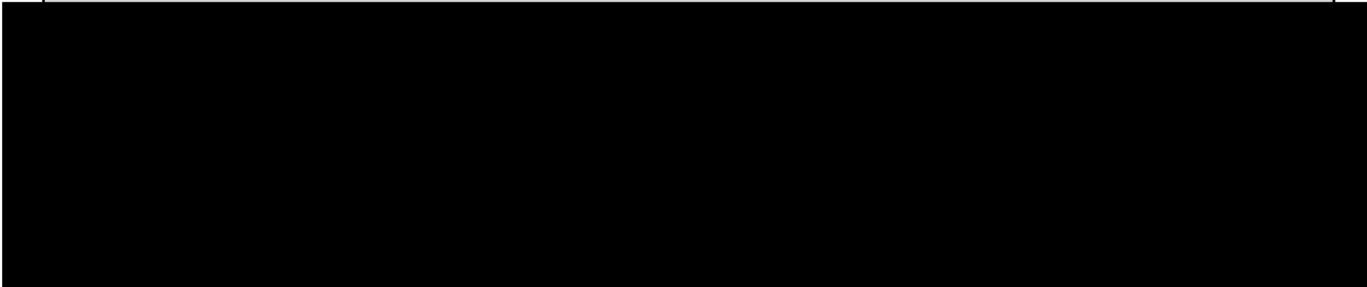
13.4 Proposed licence fee (new licences and licence renewals)

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



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.



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		

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		60,830.00
Part 2 Component		25,000.00
Part 3 Component		-
Total proposed licence fees:		\$ 85,830.00
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)		
<p>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:</p> <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		
<p>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.</p>		
Proposed fee for works approval	Attachment No.	
Details for cost of works		
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		
<p>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>.</p>		
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 <input type="checkbox"/>	N/A <input type="checkbox"/>

Part 15: Submission of application	
<p><u>INSTRUCTIONS:</u> 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.</p>	
<p>A full, signed, electronic copy of the application form including all attachments has been submitted via email to info@dwer.wa.gov.au; OR</p>	<input type="checkbox"/>
<p>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</p>	<input type="checkbox"/>
<p>A full, signed hard copy has been sent to: APPLICATION SUBMISSIONS Department of Water and Environmental Regulation Locked Bag 10 Joondalup DC WA 6919</p>	<input type="checkbox"/>

Part 16: Declaration and signature

General

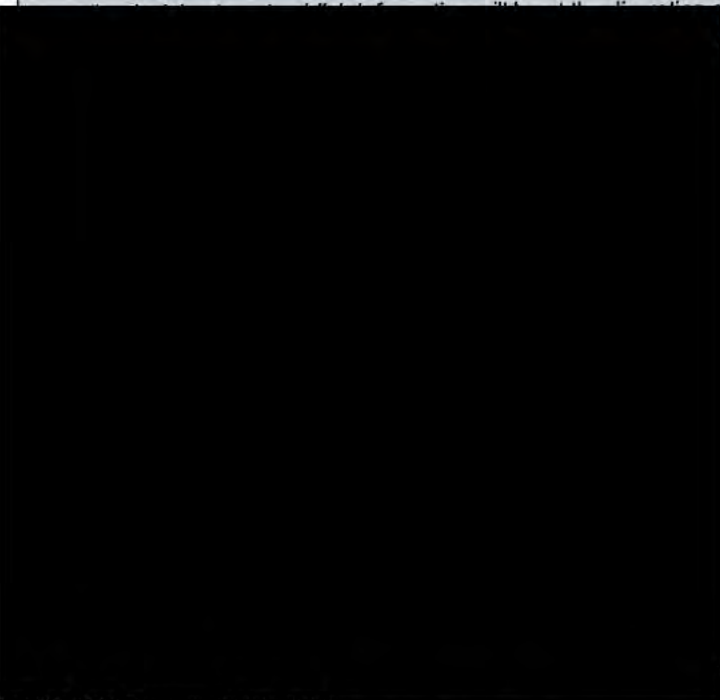
I / We confirm and acknowledge that:

- 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



... of the CEO of DWER and will be made
... Act 1992 (WA).

20/3/2024

Date

20/3/2024

Date

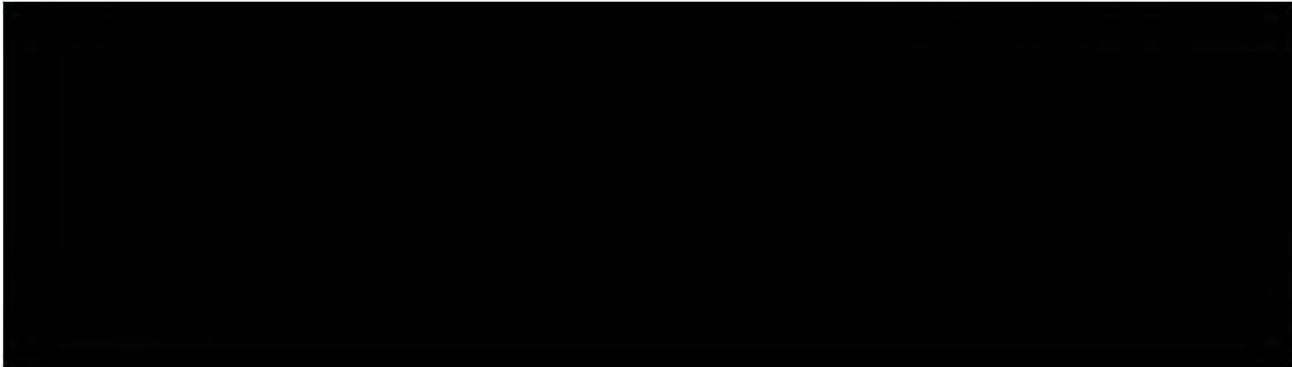
NOTE: This form may be signed:

- 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</i> (WA), 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:	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> Full Name			
Signature		Date	

ATTACHMENT A: L8758/2013/1



DWER INITIATED AMENDMENT FOR A LICENCE (L8758/2013/1) UNDER THE ENVIRONMENTAL PROTECTION ACT 1986 – NOTICE OF DECISION TO GRANT

The Department of Water and Environmental Regulation (DWER) initiated an amendment to your licence at Sino Iron Project Desalination Plant and Bulk Loading Facility on 15 December 2020 for modifications to point source emission limits to surface water.

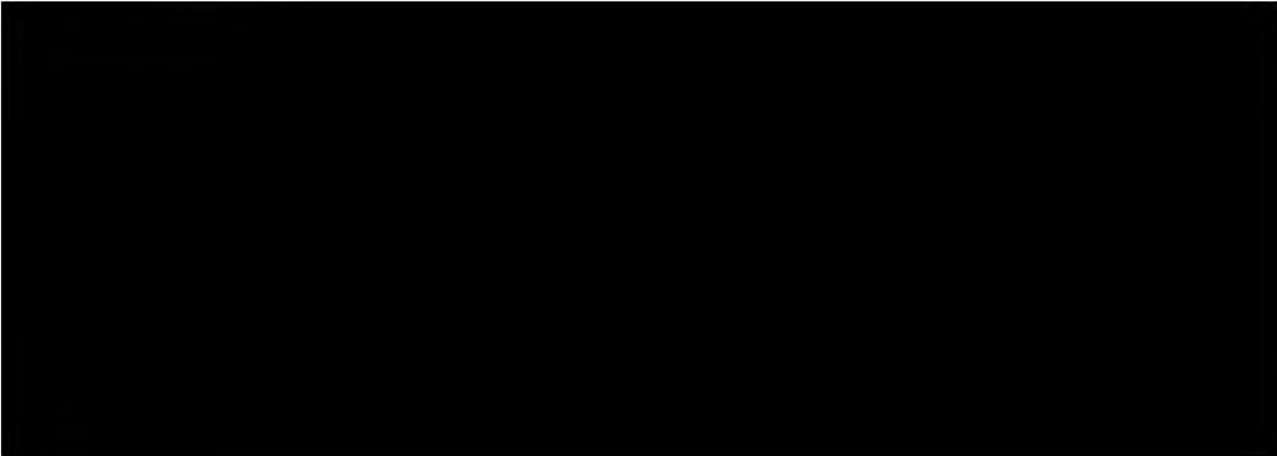
A draft licence amendment was provided to you on 16 September 2021. After considering the comments you provided on 23 September 2021, I have granted the attached licence amendment subject to the conditions prescribed in the instrument. The attached Amendment Report sets out the reasons for my decision.

In accordance with section 102(2) of the *Environmental Protection Act 1986* (EP Act), if you are aggrieved by my decision to amend the licence you may lodge an appeal with the Minister for Environment in writing, setting out the grounds of that appeal, within 21 days of this notification. Should you wish to lodge an appeal, please contact the Office of the Appeals Convenor on (08) 6364 7990 or by email at admin@appealsconvenor.wa.gov.au.

Under section 102(3)(b) of the EP Act, third parties aggrieved by this decision are also entitled to lodge an appeal against amendments to a licence. Under section 102(6), the conditions of the amended licence remain in effect pending the determination of any third party appeals.

If you have any queries regarding the above information, please contact the Environmental Officer listed above.

Yours sincerely





Licence number	L8758/2013/1
Licence holder	CITIC Pacific Mining Management Pty Ltd
ACN	119 578 371
Registered business address	45 St Georges Terrace PERTH WA 6000
DWER file number	DER2015/000676
Duration	25/11/2013 to 24/11/2024
Date of issue	21/11/2013
Date of amendment	24/09/2021
Premises details	Sino Iron Project Desalination Plant and Bulk Loading Facility General Purpose Lease G08/52 MARDIE WA 6714 as depicted in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 54A: Water desalination plant	44 gigalitres per annual period
Category 58: Bulk material loading or unloading	252,000 tonnes per day

This amended licence is granted to the licence holder, subject to the attached conditions, on 24 September 2021, by:

Licence history

Date	Reference number	Summary of changes
05/11/2009	W4482/2008/1	New application for the Plant and BLF.
22/12/2011	W4482/2008/1	<p>On 3 July 2009 the Minister for Environment approved an application under section (s) 45C of the Act, allowing for an increase in concentrate production from 19.6 million tonnes per annum (Mtpa) to 27.6 Mtpa. This resulted in amendments to the works approval.</p> <p>The Plant:</p> <ul style="list-style-type: none"> The Licensee requested that the commissioning requirements be removed, considering a s45C to the initial Ministerial Statement resulted in additional commissioning conditions for the Plant under Part IV of the Act. However, as the specific monitoring of parameters falls under Part V of the Act this was declined by DER. <p>BLF:</p> <ul style="list-style-type: none"> Maximum capacity increased. In unsafe weather conditions, the barges and trans-shipment facility will return to anchorage in the Dampier port cyclone moorings until operational conditions prevail. The two main stormwater settlement ponds were relocated to the north of the stockyards. An updated map was provided. Concentrate final moisture content was increased to up to approximately 8%. This allows for increased ease of handling and further reduces the potential for dust emissions. Due to the high moisture content in the product additional dust extraction systems were not required. All transfer points are sheltered and enclosed and dust sprays are fitted on reclaimers, stackers and the BLF.
9/5/2013	W4482/2008/1	Amendment to extend the expiry date initially until 20 August 2018. DER allowed the extension for this works approval for an additional 3 years, as per the standard works approval timeframe, to 20 August 2016. The periods of commissioning were modified in line with the Licensee's most recent commissioning schedule.
Withdrawn	L8722/2013/1	New licence application for BLF and DWP. The Licensee originally planned to operate the BLF first so a Licence was drafted for this. This Licence was then withdrawn to apply for a Licence for the Plant first (L8758/2013/1).
21/11/2013	L8758/2013/1	Licence for the east train of the Plant.
31/07/2014	L8758/2013/1	Licence amendment to include the BLF and DWP onto the Plant Licence.
10/12/2015	L8758/2013/1	Amendment to the Licence to rectify administrative errors and update in line with the latest version of the Licence

[L8758/2013/1](#)

		template; premises boundary has been expanded.
18/07/2016	L8758/2013/1	Licence amendment to transfer commissioning conditions for the Plant's West Train from the works approval W4482/2008/1 across to the licence.
19/12/2017	L8758/2013/1	Licence amendment to remove point source emission limits to surface water for nitrate-nitrite and reactive phosphorus; and remove the commissioning conditions associated with the Plant's West Train.
18/07/2018	L8758/2013/1	Licence amendment to include process monitoring associated with the oily water separator at the Stockyard Wash Down Facility.
24/09/2021	L8758/2013/1	<p>Licence amendment due to Ministerial Statement 822 modifications by issuing Ministerial Statement 1169:</p> <ul style="list-style-type: none"> • Modification of Condition 4, Table 3 for Point source emission limits to surface water to ensure that the 90% species protection trigger levels would be met at the boundary of the low and moderate levels of ecological protection; and • Update into the new Licence format.

Interpretation

In this licence:

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

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

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The licence holder must minimise spillages of materials entering the marine environment during barge loading operations.
2. The licence holder must ensure that waste material is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.

Table 1: Containment infrastructure

Containment cell or dam number(s) as depicted in Schedule 1	Material	Infrastructure requirements
Environmental Pond #1 (Dewatering)	Stormwater collected from the Dewatering Plant area	Lined with high density polyethylene liner to meet a permeability of $<1.0 \times 10^{-9}$ metres per second. Maintain an operational freeboard of 0.5 m.
Environmental Pond #2 (Stockyard)	Stormwater collected from the ore stockyards and treated water from the Stockyard Wash Down Facility	

Emissions and discharges

Authorised discharge points for emissions

3. The licence holder must ensure that where waste is emitted to surface water from the emission point in Table 2 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2: Emission points to surface water

Emission point reference and location on Map of emission points	Description	Source including abatement
Brine outfall	Discharge pipe at north western end of the port breakwater to the marine environment	Brine from the Desalination Plant

4. The licence holder must not cause or allow point source emissions to surface water that do not meet the limits in Table 3

Table 3: Point source emission limits to surface water

Emission point reference and location on Map of emission points	Parameter	Limit (including units)	Averaging period
Brine Outfall in Schedule 1: Maps, Premises map	Brine outflow volume	< 64 GL/a	Annual
	Conductivity	>75.9 and <96.5 mS/cm	1 month
	Temperature	10 – 45°C	30 minutes
	pH	6 - 9	
	Turbidity	< 40 NTU	
	Dissolved Oxygen	> 4 mg/L	
	Oxygen Reduction Potential	< 800 mV	
	Ammonia	< 14.3 mg/L	Spot sample
	Cadmium	< 0.17 mg/L	
	Chromium	< 0.24 mg/L	
	Cobalt	< 0.17 mg/L	
	Copper	< 0.03 mg/L	
	Lead	< 0.08 mg/L	
	Mercury (inorganic)	< 0.008 mg/L	
	Nickel	< 2.39 mg/L	
	Silver	< 0.024 mg/L	
Vanadium	< 1.89 mg/L		
Zinc	< 0.27 mg/L		

Monitoring

5. The licence holder must ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1 unless indicated otherwise in the relevant table;
 - (b) all surface water sampling is conducted in accordance with AS/NZS 5667.9; and
 - (c) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.
6. The licence holder must ensure that:
 - (a) Monitoring is undertaken in each weekly period such that there are at least 4 days in between the days on which samples are taken in successive weeks;
 - (b) Monitoring is undertaken in each monthly period such that there are at least

- 15 days in between the days on which samples are taken in successive months;
- (c) Monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters;
 - (d) Monitoring is undertaken in each six-monthly period such that there are at least 5 months in between the days on which samples are taken in successive periods of six months; and
 - (e) Monitoring is undertaken in each annual period such that there are at least 9 months in between the days on which samples are taken in successive years.
7. The licence holder must ensure that all monitoring equipment is operated and calibrated in accordance with the manufacturer's specifications.
 8. The licence holder must undertake the monitoring in Table 4 according to the specifications in that table.

Table 4: Monitoring of point source emissions to surface water

Emission point reference	Parameter	Units	Frequency
Brine Outfall in Schedule 1: Maps, Premises map	Brine outflow volume ¹	GL/a	Continuous
	Conductivity ¹	mS/cm	
	Temperature ¹	°C	
	pH ¹	-	
	Turbidity ¹	NTU	
	Dissolved Oxygen ¹	mg/L	
	Oxygen Reduction Potential ¹	mV	
Brine Outfall in Schedule 1: Maps, Premises map	Ammonia	mg/L	Six monthly
	Cadmium		
	Chromium		
	Cobalt		
	Copper		
	Lead		
	Mercury (inorganic)		
	Nickel		
	Silver		
	Vanadium		
	Zinc		

Note 1: In-field non-NATA accredited analysis permitted

9. The licence holder must undertake the monitoring in Table 5 according to the specifications in that table.

Table 5: Process monitoring

Monitoring point reference and location as depicted in Schedule 1	Process description	Parameter	Units	Limit	Frequency	Method
OWS1	Final effluent sampling point OWS1 (Stockyard Wash Down Facility)	Total Recoverable Hydrocarbons	mg/L	15 mg/L	Quarterly when wastewater is present	None specified

Records and reporting

10. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
- the name and contact details of the complainant, (if provided);
 - the time and date of the complaint;
 - the complete details of the complaint and any other concerns or other issues raised; and
 - the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
11. The licence holder must:
- undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - prepare and submit to the CEO by no later than 120 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
12. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
- the calculation of fees payable in respect of this licence;
 - monitoring programmes undertaken in accordance with Condition 8, Table 4 and condition 9, Table 5 of this licence; and
 - complaints received under condition 10 of this licence.
13. The books specified under condition 12 must:
- be legible;
 - if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - be retained by the licence holder for the duration of the licence; and
 - be available to be produced to an inspector or the CEO as required.

14. The licence holder must submit to the CEO by no later than 120 days after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 6, and which provides information in accordance with the corresponding requirement set out in Table 6.

Table 6: Annual Environmental Report

Condition or table (if relevant)	Requirement	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Condition 8, Table 4	Brine outflow volume, conductivity, temperature, pH, turbidity, dissolved oxygen, oxygen reduction potential, ammonia, nitrate-nitrite, reactive phosphorus, cadmium, chromium, cobalt, copper, lead, mercury (inorganic), nickel, silver, vanadium, zinc	None specified
Condition 9, Table 5	Total Recoverable Hydrocarbons	None specified
Condition 10	Complaints summary	None specified
Condition 11	Compliance	None specified

15. The licence holder must ensure that the Annual Environmental Report also contains an assessment of the information contained within the report against previous monitoring results, Licence limits and any impacts detected as a result of activities on the Premises.
16. The licence holder must ensure that the parameters listed in Table 7 are notified to the CEO in accordance with the notification requirements of the table.

Table 7: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
Condition 4, Table 3 Condition 9, Table 5	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day Part B: As soon as practicable	N1

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

Note 2: Forms are in Schedule 2

Definitions

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

Table 8: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 01 July until 30 June of the immediately following year.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples</i>
AS/NZS 5667.9	means the Australian Standard AS/NZS 5667.9 <i>Water Quality – Sampling – Guidance on sampling from marine waters</i>
averaging period	means the time over which a limit is measured or a monitoring result is obtained
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994 (WA)</i> and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point

Term	Definition
GL/a	means gigalitres per annum
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
monthly period	means a one-month period commencing from the first calendar day of a month until the final calendar day of the same month.
mS/cm	means millisiemens per centimetre
mV	means millivolts
NATA	means the National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
NTU	means Nephelometric Turbidity Units
OWS	means oil/water separator
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
spot sample	means a discrete sample representative at the time and place at which the sample is taken.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

Premises map, map of containment infrastructure and map of emission points

The Premises is shown in the map below. The black dotted line depicts the Premises boundary. The locations of the containment infrastructure, emission and monitoring point defined in Condition 2 Table 1, Condition 3 Table 2, Condition 4 Table 3, and Condition 8, Table 4 are shown below.



L8758/2013/1

IR-T06 Licence template (v7.0) (February 2020)

Schedule 2: Reporting & Notification Forms

Licence:

Licence holder:

Form: N1

Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.

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

Part A

Licence number	
Name of operator	
Location of premises	
Time and date of the detection	

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

Part B

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

Name	
Post	
Signature on behalf of licence holder	
Date	



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L8758/2013/1
Licence Holder	CITIC Pacific Mining Management Pty Ltd
ACN	119 578 371
File Number	DER2015/000676
Premises	Sino Iron Project Desalination Plant and Bulk Loading Facility General Purpose Lease G08/52 MARDIE WA 6714 as depicted in Schedule 1
Date of Report	24 September 2021
Decision	Revised licence granted

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1. Decision summary

Licence L8758/2013/1 is held by CITIC Pacific Mining Management Pty Ltd (Licence Holder) for the Sino Iron Project Desalination Plant and Bulk Loading Facility (the Premises), located at General Purpose Lease G08/52, MARDIE WA 6714.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L8758/2013/1 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Amendment summary

On 15 December 2020, the department initiated an amendment to Licence L8758/2013/1, in response to changes to the Ministerial Statement (MS) 822 under section 46 of the *Environmental Protection Act 1986* (EP Act). New MS 1169 was issued incorporating the changes to the monitoring requirements of the Desalination Plant marine outfall under MS 822.

Licence L8758/2013/1 Condition 4, Table 3 for point source emission limits to surface water from the Desalination Plant requires amendment. The current limits do not align with the ANZECC and ARMCANZ *2000 National Water Quality Management Strategy* 90% species protection trigger levels, required to be met at the boundary of the low and moderate levels of ecological protection as required under MS 1169. These limits have been recalculated and updated as part of this amendment (see Section 2.4).

This amendment is limited only to changes to Category 54A activities from the Existing Licence. No changes to the aspects of the existing Licence relating to Category 58 have been implemented.

In addition, the licence format and standard wording was updated to align with the department's current licence template.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed design or throughput capacity changes

Category	Current design throughput capacity	Proposed design throughput capacity	Description of proposed amendment
54A	44 gigalitres per annual period	No change	Modification of Condition 4, Table 3 for Point source emission limits to surface water to ensure that the 90% species protection trigger levels would be met at the boundary of the low and moderate levels of ecological protection
58	252,000 tonnes per day	No change	No change

2.3 Part IV of the EP Act

On 10 June 2021 Ministerial Statement 822 was amended by issuing Ministerial Statement 1169 to modify the following:

Condition 8-3 is deleted and replaced with:

8-3 The proponent shall manage the wastewater discharge to ensure that within the Low Ecological Protection Area the 95th percentile of bioaccumulating toxicant concentrations meets Australian and New Zealand Guidelines for Fresh and Marine Water Quality 80% species protection guideline levels, and within the Moderate Ecological Protection Area:

- the 95th percentile concentration of toxicants meets Australian and New Zealand Guidelines for Fresh and Marine Water Quality 90% species protection levels
- the levels of physico-chemical stressors are consistent with the level of quality recommended in the EPA's Technical Guidance for Protecting the Quality of Western Australia's Marine Environment.

Condition 8-8 is deleted, and replaced with:

8-8 In the event that monitoring, including monitoring required as a condition of a licence issued under Part V of the *Environmental Protection Act 1986*, indicates that the requirements of conditions 8-2 and 8-3 are not being met or are not likely to be met, the proponent shall immediately report such finding to the CEO along with a description of the management actions to be taken to meet the requirements of conditions 8-2 and 8-3.

Condition 8-9 is inserted:

8-9 Conditions 8-4 to 8-7 of Ministerial Statement 822 cease to have effect for the time a licence issued under Part V of the *Environmental Protection Act 1986* includes limits for water quality parameters derived to ensure the requirements of conditions 8-2 and 8-3 are met, as confirmed by the CEO in writing.

2.4 Technical advice

Technical advice was sought from DWER's Marine Ecosystems Branch (MEB) who reviewed the licence limits in condition 4, Table 3 of L8758/2013/1. The review identified that current limits are not aligning with the 90% species protection trigger levels, required to be met at the boundary of the low and moderate levels of ecological protection as required under MS 1169. The licence limits were recalculated based on dilutions to be achieved, parameter concentration in wastewater, background concentration of the parameter and guideline for the parameter to

be achieved at the low and moderate levels of ecological protection boundaries.

The salinity limits are based on the measured salinity range of the wastewater over the last 2 years, with a minimum salinity of 50 ppt. The salinity limit calculated by MEB has been modified by the Licence Holder to conductivity as this is the parameter that the Licence Holder uses. The instrumentation is already in place, has been used for all the historical data and the operational procedures are established. MEB has stated that the salinity guideline could be changed to conductivity based on the appropriate formula.

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish 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.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 2 below. Table 2 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 2: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls
Wastewater discharge of brine	Desalination Plant	Direct discharge via outfall to the marine environment	<ul style="list-style-type: none"> Chemical additives are used to clean the RO membranes and these are collected in a holding tank where they can be neutralised (pH 6 – 8). The composition of the chemicals are analysed, and if proven to be free of pollutants and within the brine composition range, are mixed and discharged with the brine; The licence holder does not monitor chemical parameters, however, dosing of chemicals is recorded for process control purposes and discharges are reported to the National Pollutant Inventory; Whole Effluent Toxicity (WET) testing is also conducted to determine the toxicity of the brine to marine organisms; and The diffuser promotes mixing and dilution of the concentrated brine within the Low Ecological Protection Area and Moderate Ecological Protection Area.

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 3 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 3: Sensitive human and environmental receptors and distance from prescribed activity

Environmental receptors	Distance from prescribed activity
Specified ecosystems	
Department of Biodiversity, Conservation and Attractions – Managed Lands and Waters	<p>The Great Sandy Island Nature Reserve includes Preston Island, which is the location of the Bulk Loading Facility (BLF).</p> <p>In accordance with condition 15-2 of MS 635, the licence holder has developed a conservation estate management plan to address the effect of the port facility on the conservation values of the Great Sandy Nature Reserve.</p>
Threatened Ecological Communities and Priority Ecological Communities	The Priority 3 Horseflat Land System of the Roebourne Plains is approximately 3 km from the boundary of the Premises.
Other relevant ecosystem values	
Cape Preston marine habitats	<p>Coral-supporting habitat of low to moderate percentage cover occurs as a wide belt along the western side of the Cape Preston platform and gradually thins to a narrow band along the west and north side of Preston Island proximity to the breakwater (refer to Figure 5). This band continues along the slope that passes to the west and north of SW Regnard Island. Most of the habitats in the shallows adjacent to Cape Preston are relatively barren intertidal sand flats or shallow algae dominated pavements.</p> <p>Offshore from Cape Preston, the seabed shelves rapidly descend to depths of greater than 10 m and then to a large basin extending to 17 m depth. The substrate in this area (Fortescue Roads) is a relatively barren silty sand substrate with little macrobiota evident on the surface. In the deeper parts of this basin scattered and, at times, dense patches of <i>Halophila</i> sp. seagrass occur. Sparse patches of this species of seagrass were also recorded in small areas west of SW Regnard Island and west of Fortescue Island.</p> <p>Further offshore in waters greater than 22 m depth, the substrate is gravely sand which supports scattered sea whips and fans and occasional large barrel sponges in low abundance (CPM, 2017b).</p>

<p>Marine Fauna (turtles and dugongs)</p>	<p>Four sea turtle species, the Green, Hawksbill, Flatback and Loggerhead Turtle nest or potentially nest on the beaches at Cape Preston within the period from July to April depending on seasonal environmental conditions.</p> <p>Marine fauna, appearing in Schedule 1 of the <i>Wildlife Conservation Act 1950</i>, listed under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> are known to occur in near coastal waters or have been recorded locally.</p> <p>In the Dampier Archipelago/Cape Preston region, small numbers of dugongs (<i>Dugong dugon</i>) have been sighted in the shallow, warm waters in bays and between islands, including at East Lewis Island, Cape Preston, Regnard Bay, Nickol Bay and west of Keast Island (W4482 EAR).</p> <p>The seagrass population is found predominantly on the western side of South-West Regnard Island and is situated more than 3.2 km from the BLF (CPM, 2008).</p>
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3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 4.

The Revised Licence L8758/2013/1 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. Category 54A activities.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 4. Risk assessment of potential emissions and discharges from the Premises during operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operations								
Category 54A wastewater discharge to the marine environment	Desalination Plant brine	Direct discharge via outfall to marine environment	Cape Preston marine habitats Marine Fauna (turtles and dugongs)	Refer to Section 3.1	C = Moderate L = Possible Medium Risk	N/A as DWER initiated	Condition 4, Table 3 Point source emission limits to surface water	Modified to the updated limits to ensure that the 90% species protection trigger levels would be met at the boundary of the low and moderate levels of ecological protection.

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 5 provides a summary of the consultation undertaken by the department.

Table 5: Consultation

Consultation method	Comments received	Department response
Licence Holder was provided with draft amendment on (16 September 2021)	Licence Holder provided comments on 23 September 2021 Refer to Appendix 1	Refer to Appendix 1

5. Conclusion

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

5.1 Summary of amendments

Table 6 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 6: Summary of licence amendments

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	All conditions	All conditions	Updated "Licensee" to "licence holder" and "shall" to "must" as per current format and wording.
N/A	Contents	N/A	Deleted as per current licensing format.
N/A	Introduction	N/A	Deleted as per current licensing format.
N/A	Licence history	Licence history	Administrative changes.
1.1.1	Interpretation	Interpretation	Updated as per current licensing format.
1.1.2	Definitions	Definitions	Moved to the back of the Licence, now Table 8.
1.1.3	Australian or other standard	Interpretation	Condition deleted and now included in the updated 'Interpretation' section as per current licensing format.
1.1.4	Reference to code of practice	Interpretation	Condition deleted and now included in the updated 'Interpretation' section as per current licensing format.
1.2.1	Minimise spillages of materials entering the marine environment during barge loading operations	1	Condition number changed only.

1.2.2, Table 1.2.1	Containment infrastructure	2, Table 1	Condition and table numbers changed only.
2.1.1	Record and investigate the exceedance of limits	15	Covered by Condition 15.
2.2.1, Table 2.2.1	Emission points to surface water	3, Table 2	Condition and table numbers changed only.
2.2.2, Table 2.2.2	Point source emission limits to surface water	4, Table 3	Modified Emission point reference. Updated limits to ensure that the 90% species protection trigger levels would be met at the boundary of the low and moderate levels of ecological protection.
3.1.1	Sampling	5	Condition number changed only.
3.1.2	Monitoring	6	Updated as per current format and wording.
3.1.3 3.1.4	Calibration	7	Updated as per current format and wording.
3.2.1, Table 3.2.1	Monitoring of point source emissions to surface water	8, Table 4	Modified Emission point reference.
3.3.1, Table 3.3.1	Process monitoring	9, Table 5	Condition and table numbers changed only.
4.1.3	Complaints	10	Updated as per current format and wording.
4.1.2	AACR	11	Condition number changed only.
4.1.1	Information and records	12 13	Updated as per current format and wording.
4.2.1, Table 4.2.1	AER	14, Table 6	Condition and table numbers changed only.
4.2.2	AER monitoring	15	Condition number changed only.
4.2.3, Table 4.2.2	Copies of original monitoring reports submitted to the Licensee by third parties	N/A	Removed as DWER can request this documentation as required.
4.3.1, Table 4.3.1	Notification requirements	16, Table 7	Condition and table numbers changed only.
Schedule 1: Maps	Premises map	Premises map	Updated Premises map.

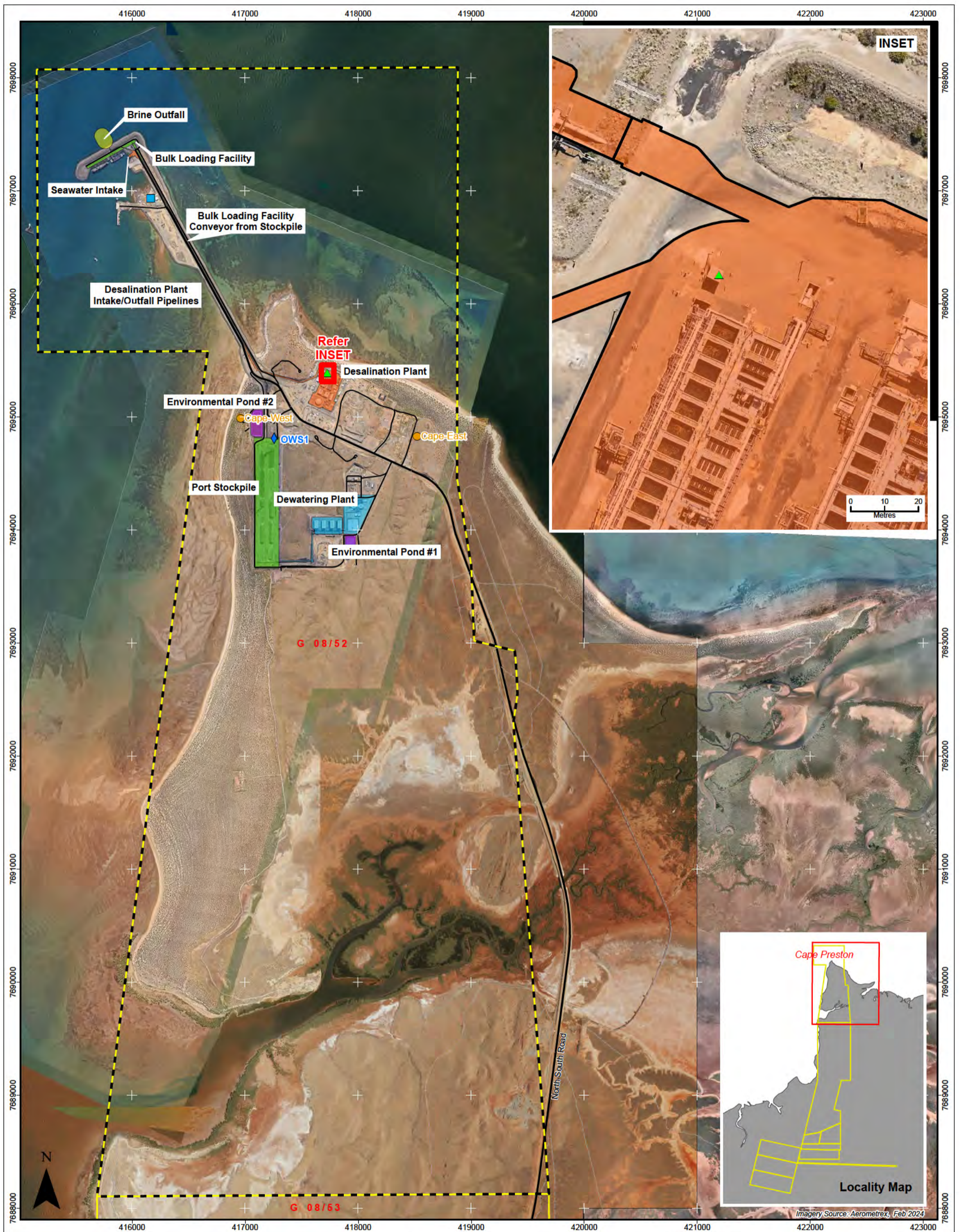


Appendix 1: Summary of Licence Holder's comments on risk assessment and draft conditions

Condition	Summary of Licence Holder's comment	Department's response
4, Table 3 Point Source Emission Limits to Surface Water	Request to use Conductivity instead of Salinity for limits and monitoring as this instrumentation is already in place, has been used for all the historical data and the operational procedures are established.	Updated as requested.
8, Table 4 Monitoring of Point Source Emissions to Surface Water	Request to use Conductivity instead of Salinity for limits and monitoring as this instrumentation is already in place, has been used for all the historical data and the operational procedures are established.	Updated as requested.
14, Table 6 Annual Environmental Report	Remove forms WR1 and PR1 as these forms have been omitted from the licence. Condition 10 refers to Complaints summary. Condition 11 refers to Compliance.	Updated as requested.
16, Table 7 Notification Requirements	Part B notification requirements included.	Updated as requested.

ATTACHMENT B: ASIC summary CPM

ATTACHMENT C: Premise map



SINO IRON PROJECT
 Cape Preston
 Prescribed Premise Boundary

 1:1,000 Datum: GDA94 Projection: MGA Zone 50			
Department:	APP	Date:	23/02/2024
Sheet Size:	A3	Status:	Draft
Drawn by:	ED	Requested by:	BW
		Internal Reference:	5987_00_2024_APP

Legend	
Desal Site: In-pipe Outfall	Sino Iron Agreement Tenements
Other Monitoring Site	Project Activity Areas
Weather Monitoring	Bulk Loading Facility
Dust PM	Desalination Plant
Effluent Sampling Point	Dewatering Plants
Major Road	Environmental Dam
Minor Road	LEPA 70m Buffer
	Prescribed Premise Boundary
	Track

Imagery Source: Aerometrex, Feb 2024