



Part 1: Application type

INSTRUCTIONS:

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

1.1 This is an application for:
[Select one option only. Your application may be returned if multiple options are selected.]
under Part V, Division 3 of the EP Act.
Please see the:

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

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

- Works approval
- Licence
Existing registration number(s): []
Existing works approval number(s): []
- Renewal
Existing licence number: []
- Amendment
Number of the existing licence or works approval to be amended: []
- Registration (works approval already obtained)
Existing works approval number(s): []

1.2 For a works approval amendment or licence amendment, are there less than 90 business days until the expiry of the existing works approval or licence?
Only active instruments can be amended. Applications to amend a works approval or licence must be made 90 business days or more prior to the existing works approval or licence expiring to ensure there is adequate time to assess the amendment.

Yes

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

5 Processing and Beneficiation of Metallic or Non-metallic Ore
52 Electric Power Generation

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			
<p>INSTRUCTIONS:</p> <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	<p>Applicant name/s (full legal name/s): The proposed holder of the works approval, licence or registration.</p>	Regis Resources Limited	
	ACN (if applicable):	009174761	
2.2	Trading as (if applicable):		
2.3	<p>Authorised representative details: The person authorised to receive correspondence and Part V documents on behalf of the applicant under the EP Act.</p> <p>Where 'yes' is selected, all correspondence will be sent to you via email, to the email address provided in this section.</p> <p>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.</p>		
	<p><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></p>	<p>Yes</p> <p style="text-align: center;"><input checked="" type="checkbox"/></p>	<p>No</p> <p style="text-align: center;"><input type="checkbox"/></p>
2.4	<p>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.</p>	<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 100px; height: 15px;"></div>	

Part 2: Applicant details				
2.5	Postal address for all other correspondence: If different from Section 2.4.	[REDACTED]		
2.6	Contact person details for DWER enquiries relating to the application (if different from the authorised representative): For example, could be a consultant or a site-based employee.	Name		
		Position		
		Organisation		
		Address		
		Telephone		
		Email		
2.7	Occupier status: Occupier is defined in s.3 of the EP Act and includes a person in occupation or control of the premises, or occupying a different part of the premises whether or not that person is the owner. Note: if a lease holder, the applicant must be the holder of an executed lease, not just an agreement to lease.	Registered proprietor on certificate of title.	<input type="checkbox"/>	
		Lease holder (please specify, including date of expiry of lease).	<input checked="" type="checkbox"/>	
		Mining Tenement M38/1268 – Expiry 19/11/2036		
		Public authority that has care, control, or management of the land.	<input type="checkbox"/>	
		Other evidence of legal occupation or control (please specify – for example, joint venture operating entity, contract, letter of operational control, or other legal document or evidence of legal occupation).	<input type="checkbox"/>	
Attachments			N/A	Yes
2.8	Attachment 1A: Proof of occupier status	Copies of certificate of title, lease, or other instruments evidencing proof of occupier status, including the expiry date or confirmation that there is no expiry date, have been provided and labelled as Attachment 1A.	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>

Part 3: Premises details			N/A	Yes
3.1	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.	M38/1268		
	Premises street address Include the suburb.	BANDYA WA 6440		
	Premises name (if applicable):	Duketon Gold Project		
3.2	Local Government Authority area: City, Town, or Shire.	Shire of Laverton		
3.3	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.	Entire M38/1268 tenement boundary used.		
Attachments			N/A	Yes
3.4	Attachment 2: Premises map(s) You must provide as an attachment to this application form, labelled Attachment 2, either: <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). You must also provide a map or maps of the prescribed premises, clearly identifying and labelling: <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). 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.		<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.	Gloster Power Station	52		<input type="checkbox"/>	<input type="checkbox"/>
2.	Gloster Crushing, Screening and Ore Sorting Plant	5		<input type="checkbox"/>	<input type="checkbox"/>
3.				<input type="checkbox"/>	<input type="checkbox"/>
4.				<input type="checkbox"/>	<input type="checkbox"/>
5.				<input type="checkbox"/>	<input type="checkbox"/>
6.				<input type="checkbox"/>	<input type="checkbox"/>
7.				<input type="checkbox"/>	<input type="checkbox"/>
8.				<input type="checkbox"/>	<input type="checkbox"/>
9.				<input type="checkbox"/>	<input type="checkbox"/>
10.				<input type="checkbox"/>	<input type="checkbox"/>

Part 4: Proposed activities	
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> <hr/> <p>Construction activities (if applicable):</p> <p>Brief summary (see Attachment 3B of Works Approval Supporting Document, and in particular section 3.2.1 and section 3.3.1 for detail). Brief summary is provided below.</p> <p>Category 5</p> <ul style="list-style-type: none"> • Installation of the required pre-assembled equipment • Connection of services to the plant (air, water and electricity). <p>Category 52</p> <ul style="list-style-type: none"> • Installation of two x CAT XQC1600 self-contained power modules. • Installation and connection of a self-bunded diesel tank to the power modules. <hr/> <p>Environmental commissioning activities (if applicable): Refer to the Guideline: Industry Regulation Guide to Licensing for further guidance.</p> <hr/> <p>Brief summary (see Attachment 3B of Works Approval Supporting Document, and in particular section 3.2.2 and section 3.3.2 for detail). Brief summary is provided below.</p> <p>Category 5</p> <ul style="list-style-type: none"> • Physical checks of equipment prior to introducing material for crushing, screening and ore sorting. <p>Category 52</p> <ul style="list-style-type: none"> • Running the generators <hr/> <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> <hr/> <p>Time limited operations are not expected to be different from licenced operations but is requested to enable sufficient time to operate the crushing screening and ore sorting plant and power station between completion of assembly (construction/commissioning) and approval of a Licence Amendment to incorporate these into the Licence.</p> <hr/> <p>Operations activities (for a licence):</p> <hr/>
4.3	<p>Estimated operating period of the project / premises (e.g. based on estimated infrastructure life): 5 - 10 years</p>
4.4	<p>Proposed date(s) for commencement of works (if applicable): 1 September 2026</p>

Part 4: Proposed activities				
4.5	Proposed date(s) for conclusion of works construction (if applicable): 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 .		October-December 2026	
4.6	Proposed date(s) for environmental commissioning of works (if applicable): 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 .			
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.		Category 5 – 1.4 Mtpa Category 52 - 3 MW	
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.		Category 5 – 1.2 Mtpa Category 52 - 1.5 MW	
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"/>

Part 4: Proposed activities			
4.12	Attachment 3B: Proposed activities	Additional information relating to the proposed activities has been included in Attachment 3B (if required).	<input type="checkbox"/> <input checked="" type="checkbox"/>
Clearing activities			
4.13 to 4.19 are only required if the application includes clearing of native vegetation.			
4.13	Proposed clearing area (hectares and/or number of individual trees to be removed):		
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:		
4.16	Period within which clearing is proposed to be undertaken: For example, May 2020 – June 2020.		
4.17	Purpose of clearing:		
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		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) .	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Submission number(s)	

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 ibasubmissions.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. 				
	<p>Biodiversity surveys</p> <p>Please provide the IBSA number(s) (or submission number(s) if IBSA number has not yet been issued) in the space provided.</p> <p>Note that a submission number is not a 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.</p>	IBSA number(s)		
5.2	<p>Attachment 4:</p> <p>Marine surveys</p>	<p>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).</p>	<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 type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes – provide details:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Works approval has been prepared following discussion with DWER on 10 December 2025. The Gloster crushing, screening and ore sorting plant and power station were previously part of a Licence Amendment application but was recommended to move the Gloster infrastructure to a Works Approval (this application).</p> </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 type="checkbox"/> No – a valid Ministerial Statement applies: MS []</p> <p><input checked="" 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; margin-top: 10px;"></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 checked="" type="checkbox"/> No – a valid licence / permit applies: [GWL180893(3)]</p> <p><input type="checkbox"/> No – an exemption applies (explain why):</p> <div style="border: 1px solid black; height: 40px; margin: 5px 0;"></div> <p><input type="checkbox"/> No – licence / permit not required</p>

Part 7: Other approvals and consultation			
<p>INSTRUCTIONS:</p> <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 checked="" type="checkbox"/>	<input type="checkbox"/>
7.2	Is the proposal subject to a State Agreement Act?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If yes, specify which Act:		
7.3	Has the proposal been allocated to a “Lead Agency” (as defined in the Lead Agency Framework)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If yes, specify Lead Agency contact details:		
7.4	Has the proposal been referred and/or assessed under the EPBC Act (Commonwealth)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If yes, please specify referral, assessment and/or approval number:		
7.5	Has the proposal obtained all relevant planning approvals?	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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: L8578/2011/1, plus multiple past and current works approvals			
8.4	If the applicant is an individual, has the applicant ever been convicted, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.5	If the applicant is a corporation, has any director of that corporation ever been convicted, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.6	If the applicant is a corporation, has any person concerned in the management of the corporation, as referred to in s.118 of the EP Act, ever been convicted of, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.7	If the applicant is a corporation, has any director of that corporation ever been a director of another corporation that has been convicted, or paid a penalty, for an offence under a provision of the EP Act, its subsidiary legislation, or similar environmental protection or health-related legislation in Western Australia or elsewhere in Australia?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

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.

Part 9: Emissions, discharges, and waste

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.	Crushing, screening and ore sorting plant	Dust	Fugitive	Dust suppression on crushing plant Use of water carts Established dust monitoring programme	
2.	Crushing, screening and ore sorting plant	Stormwater	Episodic	Existing bunding around Gloster ROM pad	
3.	Crushing, screening and ore sorting plant	Noise	Jaw crusher expected to produce 102-108 dB(A) at its source	Noise attenuation by enclosures, distance and atmosphere Relying on distance and atmosphere alone reduces noise levels to 27.6 dB(A)	
4.	Crushing, screening and ore sorting plant	Hydrocarbon spill	Episodic	Spill kits maintained at the screening and ore sorting plant	
5.	Power Station	Gaseous Emissions	NOX up to 96,000 kg/year SOX up to 95 kg/year CO up to 14,717 kg/year		
6.	Power Station	Hydrocarbon spill	Episodic	Spill kits maintained at the power units and diesel tank	

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 checked="" type="checkbox"/>	<input 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"/>
(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:		

Part 9: Emissions, discharges, and waste

² Copies / details of any other relevant approvals (e.g. from the Department of Health) must be provided where applicable.

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.

Solid waste types must be described with reference to *Landfill Waste Classification and Waste Definitions 1996* (as amended from time to time) and the Environmental Protection (Controlled Waste) Regulations 2004 (Controlled Waste Regulations).

Liquid waste types must be described with reference to the Controlled Waste Regulations.

For further guidance on the definition of waste, refer to [Fact Sheet: Assessing whether material is waste](#).

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).

Additional rows may be added as required and/or further information may be included as an attachment (see Section 9.4).

Table 9.2 Waste types

	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.					
2.					
3.					
4.					
5.					

Attachments

			N/A	Yes
9.3	Attachment 6A: Emissions and discharges (if required)	If required, further information for Section 9.1 has been included as an attachment labelled Attachment 6A.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9.4	Attachment 6B: Waste acceptance (if required)	If required, further information for Section 9.2 has been included as an attachment labelled Attachment 6B.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 10: Siting and location
10.1 Sensitive land uses

What is/are the distance(s) to the nearest sensitive land use(s)?
A sensitive land use is a residence or other land use which may be affected by an emission or discharge associated with the proposed activities.

Mulga Queen community is ~4 km west of the proposed crushing, screening and ore sorting plant. Laverton is the nearest town, some ~120 km south of Gloster. Full description of Environmentally Sensitive Receptors provided in Attachment 7 (Section 6) of the Works Approval Supporting Document.

10.2 Nearby environmentally sensitive receptors and aspects

Identify in Table 10.2 (below):

- all instances of environmentally sensitive receptors that are known or suspected to be present within, or within close proximity to, the proposed prescribed premises boundary;
- the nature of the sensitive receptors (e.g. type of Threatened Ecological Community, species or threatened flora or fauna, etc.);
- their actual or approximate known distance and direction from the premises boundary (at the closest point/s); and
- if applicable, what measures have been or will be taken to ensure that sensitive receptors are not adversely impacted by any emissions or discharges from the premises.

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

Table 10.2: Nearby environmentally sensitive receptors and aspects

Part 10: Siting and location				
Type / classification	Description	Distance + direction to premises boundary	Proposed controls to prevent or mitigate adverse impacts (if applicable)	
Environmentally Sensitive Areas ¹	NA			
Threatened Ecological Communities	NA			
Threatened and/or priority fauna	PEC Banjarn Calcrete	~46 km southwest of the premises boundary	Will not be impacted	
Threatened and/or priority flora	Priority flora <i>Eremophila pungens</i> (P4)	~14 km southeast of premises boundary	No priority species recorded within the Premises Boundary. Closest record is <i>Eremophila pungens</i> (P4)	
Aboriginal and other heritage sites ²	NA		Regulated by Department of Planning, Lands and Heritage	
Public drinking water source areas ³	Laverton Drinking Water Catchment	~100 km southeast of the premises boundary	Will not be impacted	
Rivers, lakes, oceans, and other bodies of surface water, etc.	Borodale Creek (closest named creek)	Higher order streams south of Gloster but formation of Borodale Creek ~10 km south of premises boundary		
Acid sulfate soils	NA			
Other				
<p>¹ Environmentally Sensitive Areas are as declared under the <i>Environmental Protection (Environmentally Sensitive) Notice 2005</i>. Refer to DWER's website ("Environmentally Sensitive Areas") for further information.</p> <p>² Refer to the Department of Planning, Lands and Heritage website for further information about Aboriginal heritage and other heritage sites.</p> <p>³ Refer to Water Quality Protection Note No 25: Land use compatibility tables for public drinking water source areas for further information.</p>				
10.3	Environmental siting context details Provide further information including details on topography, climate, geology, soil type, hydrology, and hydrogeology at the premises. See Attachment 7 (Section 6) of Works Approval Supporting Document, see premises map for siting and location.			
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 type="checkbox"/>	<input checked="" type="checkbox"/>
Part 11: Submission of any other relevant information				
Attachments			No	Yes

Part 11: Submission of any other relevant information				
11.1	Attachment 8: Additional information submitted	Applicants seeking to submit further information may include information labelled Attachment 8. If submitting multiple additional attachments, label them 8A, 8B, etc. Where additional documentation is submitted, please specify the name of documents below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
List title of additional document(s) attached:		All additional information provided in <i>Works Approval Supporting Document</i>		

Part 12: Category checklist(s)				
Attachments			N/A	Yes
12.1	Attachment 9: Category checklist(s)	DWER has developed category checklists to assist applicants with preparing their application. These checklists are available on DWER's website . The relevant category-specific checklist(s) must be completed and included with the application, labelled as Attachment 9. If attaching multiple category checklists, label them 9A, 9B, etc. Do not select "N/A" unless: <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. 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. Where a category checklist is submitted, please specify which checklist(s) in the space below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
List title(s) of category checklists attached:				

Part 13: Proposed fee calculation	
INSTRUCTIONS:	
Different fee units apply for different fee components. Fee units may also have different amounts depending on the period in which the calculation is made.	
Once DWER has confirmed that the application submitted meets the relevant requirements of the EP Act, you will be issued an invoice with instructions for paying your application fee.	
Further information on fees can be found in the Fact Sheet: Industry Regulation fees , and on DWER's website .	
13.1	<p>Only the relevant fee calculations are to be completed as follows: <i>[mark the box to indicate section s completed]</i></p> <p><input checked="" type="checkbox"/> Section 13.3 for works approval applications</p> <p><input 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>
13.2	All information and data used for the calculation of proposed fees has been provided in accordance with Section 13.8. <input type="checkbox"/>
13.3 Proposed works approval fee	
<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: XXXXXXXXXX	XXXX

13.4 Proposed licence fee (new licences and licence renewals)		
Detailed licence fee calculations		
<p>Part 1 Premises component (see r.5D and Part 1 of Schedule 4 of the EP Regulations)</p> <p>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.</p> <p>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.</p> <p>List all categories (insert additional rows as required). Use only the higher or highest amount of fee units to determine the Part 1 fee component.</p>		
Category	Production or design capacity	Fee units
Using the higher or highest amount of fee units, Part 1 component subtotal		\$
<p>Part 2 Waste (see r.5D(1a)(b) and Part 2 of Schedule 4 of the EP Regulations)</p> <p>If your premises includes one or more of the following categories specify any applicable Part 2 waste amounts. Do not include Part 3 waste components of these discharges in the below calculations.</p> <p>Categories: 5, 6, 7, 8, 9, 12, 14, 44, 46, 53, 54A, 70, 80, or 85B</p> <p>Part 2 waste means waste consisting of –</p> <ul style="list-style-type: none"> (a) tailings; or (b) bitterns; or (c) water to allow mining of ore; or (d) flyash; or (e) waste water from a desalination plant. <p>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.</p> <p>Insert additional rows as required. Sum all Part 2 waste fees to determine the sub total.</p>		
Discharge quantity (tonnes/year)	Fee units	
Part 2 component subtotal		\$
<p>Part 3 Waste – Discharges to air, onto land, into waters (see Part 3 of Schedule 4 of the EP Regulations)</p> <p>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.</p> <p>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).</p>		

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		
Part 2 Component		
Part 3 Component		
Total proposed licence fees:		\$
13.5 Prescribed fee for registration		
A fee of 24 units applies for an application for registration of premises, unless the occupier of the premises holds a licence in respect of the premises, in accordance with r.5B(2)(c) of the EP Regulations.		<input type="checkbox"/> (Tick to acknowledge)

13.6 Amendment fee (works approval or licence)		
The fee prescribed for an application for an amendment to a works approval or licence is calculated in accordance with r.5BB(1)(a) of the EP Regulations: <ul style="list-style-type: none"> for a single category of prescribed premises to which the works approval or licence relates, by using the fee unit number corresponding to the prescribed premises category and relevant design capacity threshold in Schedule 4 Part 1 of the EP Regulations. for multiple categories of prescribed premises to which the works approval or licence relates, by using the highest fee unit number corresponding to the prescribed premises categories and design capacity threshold in Schedule 4 Part 1 of the EP Regulations. 		
Fee Units	Proposed fee	
13.7 Prescribed fee for clearing permit		
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. 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.	<input type="checkbox"/> (Tick to acknowledge)	
13.8 Information and data used to calculate proposed fees		
The detailed calculations of fee components, including all information and data used for the calculations are to be provided as attachments to this application, labelled as Attachment 10 , with an appropriate suffix (for example 10A, 10B etc.). Please specify the relevant attachment number in the space/s provided below.		
Proposed fee for works approval	Attachment No.	
Details for cost of works		
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 checked="" 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; SUBMITTED VIA ENVIRONMENT ONLINE OR</p>	<input checked="" 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"/>

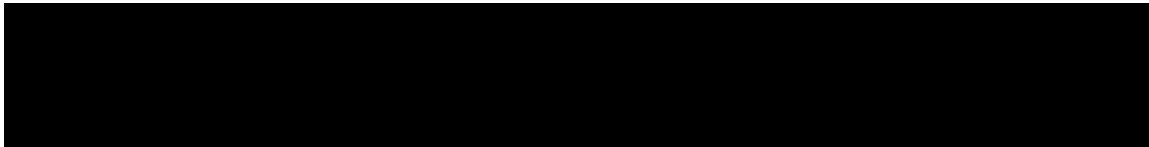
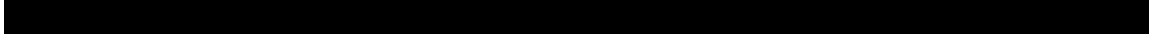
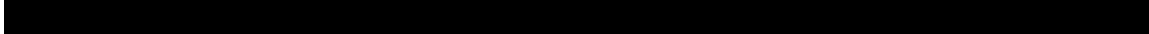
ATTACHMENT 11 – Confidential or commercially sensitive information

Request for exemption from publication			
Information which you consider should not be published, on the grounds of a relevant exemption found in Schedule 1 to the <i>Freedom of Information Act 1992 (WA)</i> , must be specified in this Attachment. Add additional rows as required.			
NOT FOR PUBLICATION IF GROUNDS FOR EXEMPTION ARE DETERMINED TO BE ACCEPTABLE			
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**Gloster Power Station and
Mobile Crushing, Screening
and Ore Sorting Plant Works
Approval Supporting
Document**

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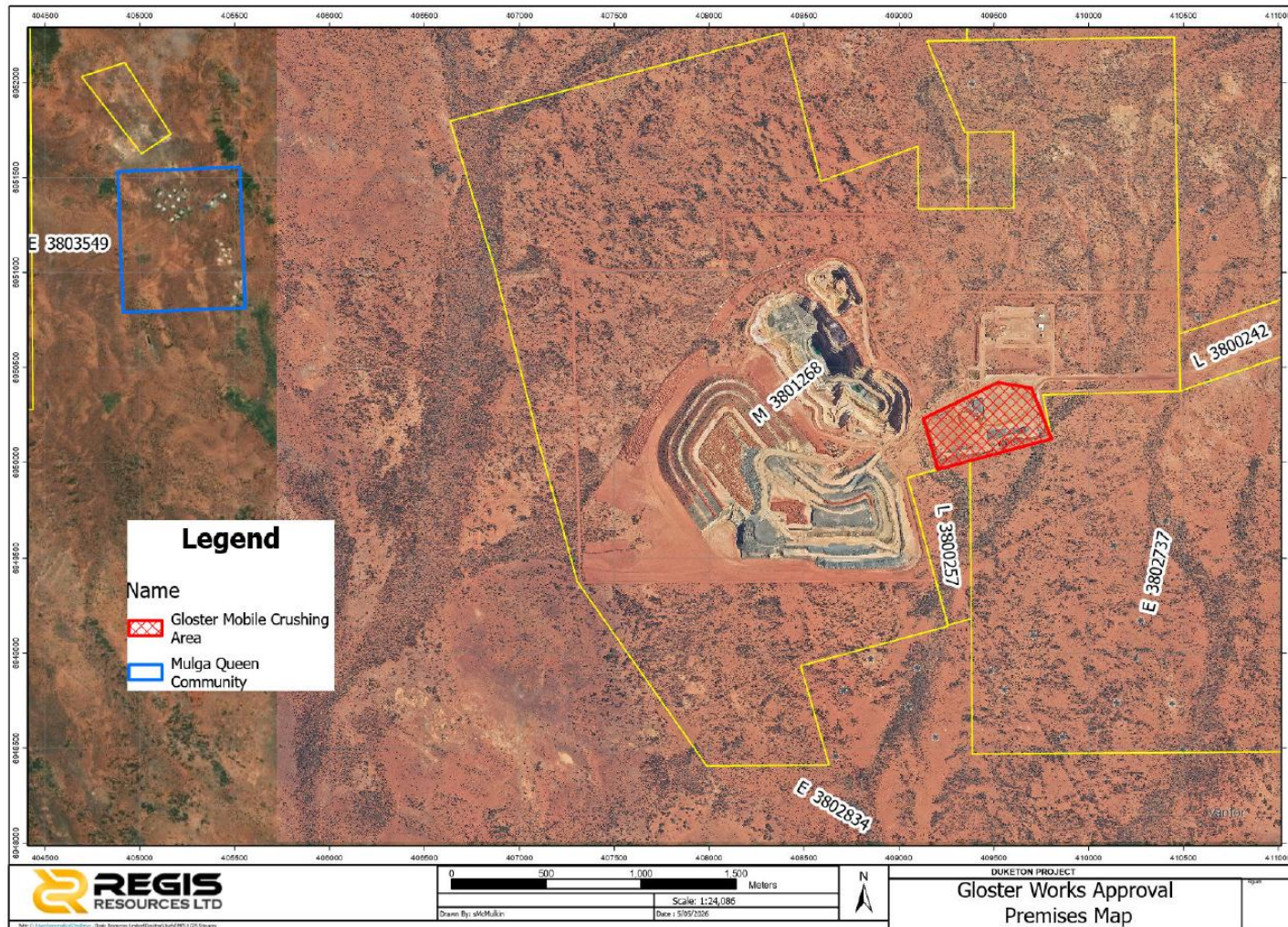


Figure 1 Gloster Works Approval Premises Map (M38/1268 Tenement Boundary)

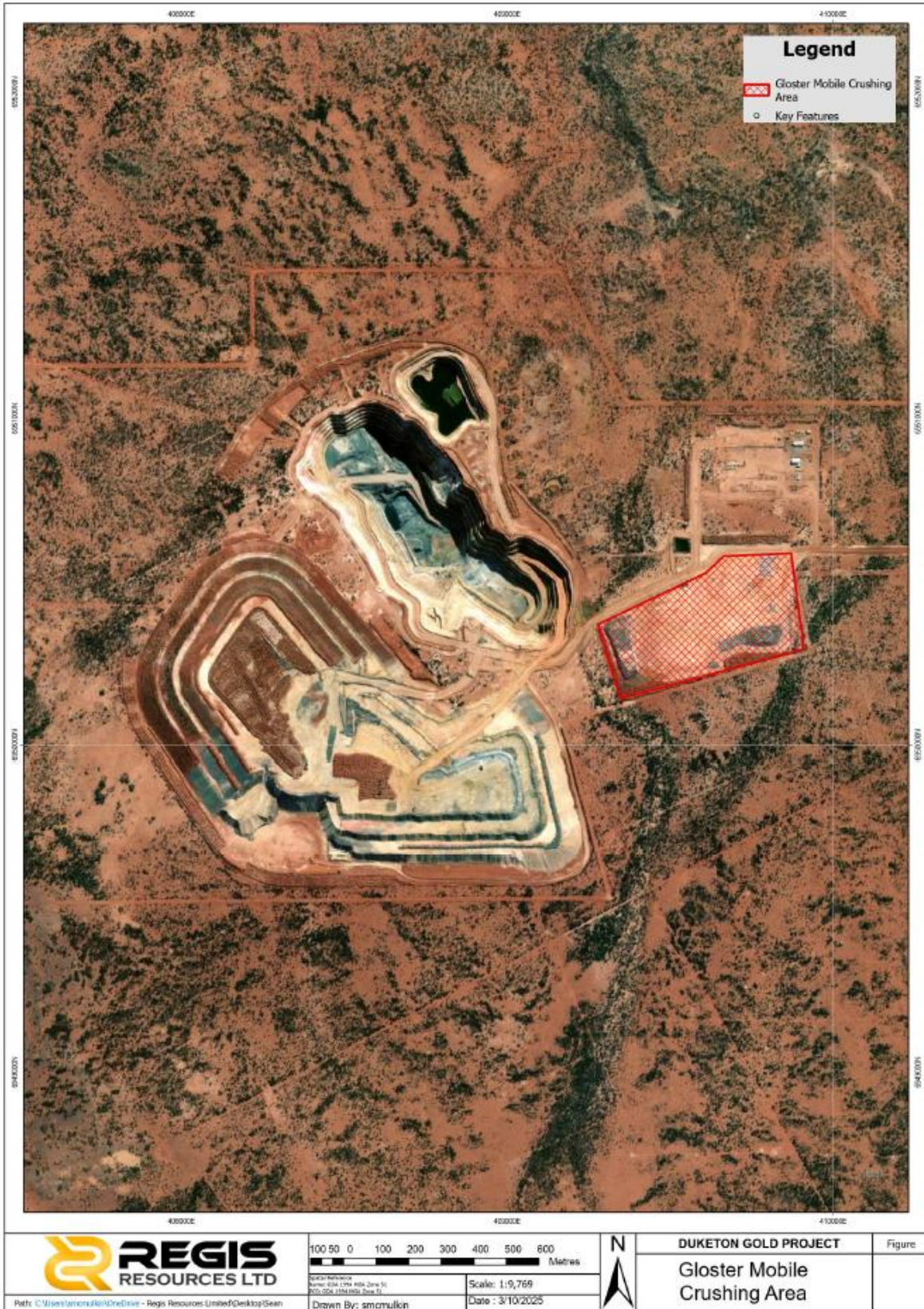


Figure 2 Gloster Plan Showing Location of Proposed Infrastructure

5. ATTACHMENT 3B: PROPOSED ACTIVITIES

5.1. BACKGROUND

Regis Resources Limited (Regis) operates the Duketon Gold Project (DGP) in the Shire of Laverton, between approximately 50 and 130 km north of Laverton (Figure 1) The project comprises several open pit and underground mines, with processing across several hubs: Garden Well, Rosemont and Moolart Well, supported by several satellite operations.

Gloster is a satellite deposit at the northwestern extent of the DGP, ~130 km northwest of Laverton and within the prescribed premise boundary of Licence 8578/2011/1.

At Gloster, Regis plans to establish a 1.4 Mtpa crushing, screening and ore sorting plant (under Category 5), powered by a ~3 MW diesel fuelled power station under Category 52.

5.2. CATEGORY 5 – CRUSHING, SCREENING AND ORE SORTING

5.2.1. Construction

As an isolated satellite pit, ore from Gloster requires haulage for processing. Haulage along the haul road network is 31 km to Moolart Well, 51 km to Rosemont or 64 km to Garden Well. To reduce the volume of ore requiring haulage, Regis plans to install a modular crushing screening and ore sorting plant at Gloster.

The required infrastructure to be installed will comprise:

- One Striker JQ1170E Jaw crusher. An example is shown in Figure 3;
- One SQ 1862E Sizing Screen. An example is shown in Figure 4;
- One FS1000E Feeder stacker. An example is shown in Figure 5;
- Two ST18 Stackers;
- One ST24 Stacker;
- Two ST15 Stackers;
- Two Grasshopper 15 m conveyors;
- One Grasshopper 24 m conveyor;
- One Grasshopper 32 m conveyor;
- One Grasshopper 45 m conveyor;
- Weir Enduron VD15 Rinse Screen. An example is shown in Figure 6;
- Steinart KSS200 XT CLI Ore Sorter, housed within a dome shelter along with a control room, and compressed air supply). An example is shown in Figure 7;

To power the crusher, screening and ore sorter, up to 3 MW of power generation will be installed (discussed separately under Category 52).

The crushing, screening and sorting infrastructure will be installed on the Gloster Run of Mine (ROM) pad, located east of Gloster pit. Services will also be connected to the plant (i.e. electricity, water, air).



Figure 3 *Striker JQ1170 Mobile Jaw Crusher*



Figure 4 *SQ1862E Sizing Screen*



Figure 5 Max Plant FS1000 Mobile Feeder / Stacker



Figure 6 Wier Enduron VD15 Rinse Screen



Figure 7 Steinert KSS 200 XT CLI Ore Sorter

5.2.2. Commissioning

Commissioning will comprise physical checks of the equipment before introducing material for crushing, screening and ore sorting.

5.2.3. Compliance Reporting

The following reports will be prepared for DWER:

- Completion report – verifying physical installation of the infrastructure has been completed and material has been introduced to the plant for crushing, screening and ore sorting. Upon submission, Regis plans to commence time limited operations.

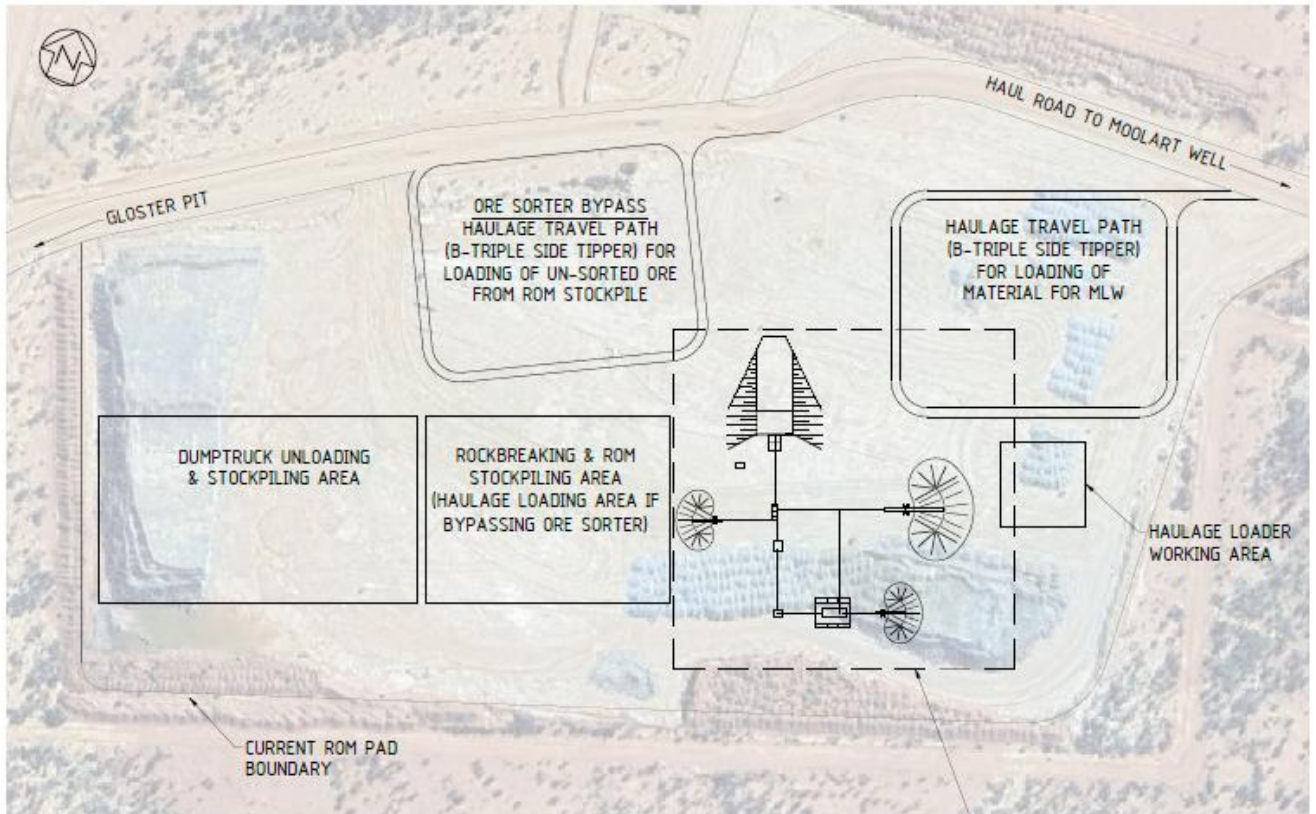


Figure 8 Proposed Layout of the Gloster Crushing Plant on the Gloster ROM

5.3. CATEGORY 52 – POWER STATION

5.3.1. Construction

To operate the crusher screening and ore sorting infrastructure a small power station is required. Regis plans to oversize the power generation capacity to provide for redundant capacity.

The power station will comprise of two CAT XQC1600 sound attenuated self-contained power modules. The self-contained power modules are pre-constructed thus do not require an engine hall or assembly of the engine to the chasses, radiators etc. The XQC1600 is equipped with its own control system to minimise installation and startup time. The control system features plant control programming and simulation, allowing complete system testing prior to generator set startup.

The generators will be connected to a self-bunded diesel tank.



Figure 9 **CAT XQC1600 Diesel Fuelled Generator**

5.3.2. Commissioning

As the CAT XQC1600 generators are pre-built for drop in installation, commissioning is limited to running the generators.

5.3.3. Compliance Reporting

The following reports will be prepared for DWER:

- Completion report – given the generators are pre-built, the report will be a memo noting they have been installed and operated, supported by photographs. Upon submission, Regis plans to commence time limited operations of the power generators.

6. ATTACHMENT 5: OTHER APPROVALS AND CONSULTATION DOCUMENTATION

6.1. DEPARTMENT OF MINES, PETROLEUM AND EXPLORATION

6.1.1. Native Vegetation Branch

No clearing is required for construction of the crushing plant or power plant, thus no clearing permit is required.

6.2. DEPARTMENT OF WATER AND ENVIRONMENTAL REGULATION

As part of the DGP, Gloster is managed under Licence L8578/2011/1.

The infrastructure covered under this Works Approval was originally included in a Licence Amendment application submitted in October 2025. Following review, DWER recommended the Gloster crushing plant and power station be submitted as a Works Approval (this application).

Following submission of compliance documentation, application will be made to amend Licence 8578/2011/1 to include the crushing plant and power station on the Licence.

7. ATTACHMENT 6A: EMISSIONS AND DISCHARGES

7.1. EMISSIONS TO AIR

7.1.1. Noise

The crushing unit is expected to have noise emissions up to 102-108 dB(A) when under load, primarily driven by operation of the jaw crusher. The proposed crusher location is 4.19 km from the nearest residence.

In assessing noise levels at the nearest residence, assuming a source noise of 108 dB(A), in an open area with no obstructions, sound pressure level decreases by 6 dB(A) every doubling of distance.

$$\Delta L = 20 \times \log_{10} \left(\frac{d_2}{d_1} \right)$$

Thus, by application of the formula $\Delta L = 20 \times \log_{10}(4190) \approx 72.44 \text{ dB}$, noise attenuation of 72.44 dB is achieved over 4.19 km.

The residual noise level is ~35.6 dB(A).

With air absorption (nominally 1.9 dB/km),

Air loss = 1.9dB/km x 4.19 km = 7.96 dB.

Thus, without any ground attenuation, total noise reduction is approximately 80.4 dB, leaving a residual noise of up to 27.6 dB(A). In comparison, ambient environmental noise levels typically range between 30 and 40 dB(A).

7.1.2. Generator Emissions

Emissions to air from the CAT XQC1600 generators are presented below based on the manufacturer’s (CAT) specifications in Appendix 11.1. Whilst the XQC1600 generator emission data could not be sourced, emission specifications from the underlying engine used to power the generator (CAT 3516C) have been used. Two generators will be installed, although Regis expects only one unit will be operational at any time, with the other being a standby for planned and unplanned maintenance.

Table 1 Emission Estimates Based on 100% Load Continuous Power @1500 RPM

Manufacturer	Model	Fuel Type	Power Generation	NOX kg/year/ engine	SOX kg/year/ engine	CO kg/year/ engine
CAT	XQC1600 (using CAT 3516C engine)	Diesel	1.5 MW	96,000 kg/year or 10,960 g/h	95 kg/year or 11 g/h	14,717 kg/year or 1,680 g/h

7.1.3. Dust

Given the proximity of Gloster to Mulga Queen, dust emissions from the existing mine are monitored via the existing dust station network. The crushing screening and ore sorting plant has potential to cause dust emissions through handling, crushing and screening activities.

7.2. EMISSIONS TO LAND

7.2.1. Hydrocarbons

The crushing screening and ore sorting plant will be powered by the diesel fuelled power generation units. Thus there is potential for spillage of hydrocarbons.

7.2.2. Sediment

The ROM pad on which the crushing, screening and ore sorting plant will be located, invariably contains particles with potential for being mobilised as sediment during high rainfall events. However, this is not significantly different to the current condition at the ROM pad, which has bunding around it to manage stormwater from uncontrolled release to nearby vegetation.

7.3. ASSESSMENT OF ENVIRONMENTAL RISKS FROM EMISSIONS

7.3.1. Risk Identification

Potential emissions associated with activities under this works approval are:

- Emissions from the power station to atmosphere;
- Hydrocarbon spillage to land from handling and storage of primarily diesel (but potentially other lubricants);
- Dust emissions impacting nearby vegetation;
- Dust emissions impacting the Mulga Queen community;
- Noise emissions impacting the Mulga Queen community; and
- Loss of sediment via stormwater to land impacting vegetation.

7.3.2. Risk Assessment

The risk assessment process has utilised *Guideline Risk Assessments* (DWER 2017), aligned with the principle of source-pathway-receptor and whether there is a credible linkage (Table 2 and Table 3). The specific risks and controls associated the proposed crushing, screening and ore sorting plant are detailed in Table 4.

Table 2 DWER Risk Criteria

Consequence			Likelihood	
The department will use the following criteria to assess the consequences of a risk event occurring:			The department will use the following criteria to assess the likelihood of a risk event occurring.	
	Environment	Public health* and amenity (such as air and water quality, noise and odour)		
Severe	<ul style="list-style-type: none"> Onsite impacts: catastrophic Offsite impacts local scale: high level or above Offsite impacts wider scale: mid level or above Mid to long-term or permanent impact to an area of high conservation value or special significance[^] Specific Consequence Criteria (for environment) are significantly exceeded 	<ul style="list-style-type: none"> Loss of life Adverse health effects: high level or ongoing medical treatment Specific Consequence Criteria (for public health) are significantly exceeded Local scale impacts: permanent loss of amenity 	Almost certain	The risk event is expected to occur in most circumstances
Major	<ul style="list-style-type: none"> Onsite impacts: high level Offsite impacts local scale: mid level Offsite impacts wider scale: low level Short-term impact to an area of high conservation value or special significance[^] Specific Consequence Criteria (for environment) are exceeded 	<ul style="list-style-type: none"> Adverse health effects: mid level or frequent medical treatment Specific Consequence Criteria (for public health) are exceeded Local scale impacts: high level impact to amenity 	Likely	The risk event will probably occur in most circumstances
Moderate	<ul style="list-style-type: none"> Onsite impacts: mid level Offsite impacts local scale: low level Offsite impacts wider scale: minimal Specific Consequence Criteria (for environment) are at risk of not being met 	<ul style="list-style-type: none"> Adverse health effects: low level or occasional medical treatment Specific Consequence Criteria (for public health) are at risk of not being met Local scale impacts: mid level impact to amenity 	Possible	The risk event could occur at some time
Minor	<ul style="list-style-type: none"> Onsite impacts: low level Offsite impacts local scale: minimal Offsite impacts wider scale: not detectable Specific Consequence Criteria (for environment) likely to be met 	<ul style="list-style-type: none"> Specific Consequence Criteria (for public health) are likely to be met Local scale impacts: low level impact to amenity 	Unlikely	The risk event will probably not occur in most circumstances
Slight	<ul style="list-style-type: none"> Onsite impact: minimal Specific Consequence Criteria (for environment) met 	<ul style="list-style-type: none"> Local scale: minimal impacts to amenity Specific Consequence Criteria (for public health) criteria met 	Rare	The risk event may only occur in exceptional circumstances

Source: DWER (2017)

Table 3 DWER Risk Assessment Matrix

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

Source: DWER (2017)

Table 4 Risk Assessment for the Gloster Crushing, Screening and Ore Sorting Plant and Power Station

Source/Activity	Potential emission	Potential Pathway	Potential Receptors	Potential Adverse Impacts	Consequence Rating	Likelihood Rating	Risk	Controls/Comment
Installation of Crushing, Screening and Ore Sorting Plant	Dust	Generation of airborne/ windborne dust	Vegetation	Dust smothering resulting in localised reduced vegetation health	Slight	Possible	Low	<ul style="list-style-type: none"> Dust suppression on crushing plant Dust suppression via water carts applied as required Construction is for limited duration
			Mulga Queen	Dust causes a nuisance to inhabitants at Mulga Well	Minor	Unlikely	Medium	<ul style="list-style-type: none"> Dust suppression on crushing plant Dust suppression via water carts applied as required
	Stormwater	Release of sediment via stormwater	Vegetation	Sediment smothering vegetation resulting in localised reduced vegetation health	Slight	Rare	Low	<ul style="list-style-type: none"> Footprint within existing ROM pad. Risk is comparable to the existing condition on the ROM pad, with pre-existing bunding
Commissioning and Operation of the Crushing, Screening and Ore Sorting Plant and Power Station	Air emissions	Gaseous emissions (products of combustion)	Human receptors	Health and amenity impacts	NA – risk not credible due to distance between source emission and receptor			<ul style="list-style-type: none"> Closest receptor of Mulga Queen community is 4.19 km from the Gloster ROM
		Dust emissions	Vegetation	Dust smothering vegetation resulting in localised reduced vegetation health	Slight	Possible	Low	<ul style="list-style-type: none"> Dust suppression on crushing, screening and ore sorting plant

Source/Activity	Potential emission	Potential Pathway	Potential Receptors	Potential Adverse Impacts	Consequence Rating	Likelihood Rating	Risk	Controls/Comment
			Human receptors	Dust causes a nuisance to inhabitants at Mulga Queen	Minor	Possible	Medium	<ul style="list-style-type: none"> Dust suppression on crushing, screening and ore sorting plant
		Noise	Human receptors	Amenity impacts	Minor	Unlikely	Medium	<ul style="list-style-type: none"> Generation units are all noise attenuated, Loudest equipment will be the jaw crusher at 102-108 dB(A) Calculated noise levels at nearest receptor estimated to be 27.6 dB(A)
		Hydrocarbon spill	Soil	Contamination of soil impairing biological function during rehabilitation	Slight	Possible	Low	<ul style="list-style-type: none"> Spill kits maintained near power units, diesel tank and crushing, screening and ore sorting plant Diesel tank will be self-bunded

8. ATTACHMENT 7: SITING AND LOCATION

8.1. REGIONAL SETTING

The Duketon Gold Project (DGP) is situated within the East Murchison subregion of the Murchison bioregion according to the Interim Biogeographic Regionalisation for Australia (IBRA) (Environment Australia, 2012). This region is characterised by its internal drainage and areas of elevated red desert sandplains with minimal dune development. Salt Lake systems are common and associated with the palaeodrainage system. The subregion is dominated by plains of red-brown soils, along with breakaway complexes and red sandplains. Vegetation consists of Mulga woodlands, hummock grasslands and salt bush shrublands.

The dominant land uses in the region include pastoral and mining activities. Unallocated Crown Land and Crown reserves account for approximately 11% of the subregion.

8.2. LOCATION

Gloster occurs on the Banjarwon Pastoral Station. The Mulga Queen community is located ~3 km west of Gloster and ~4 km west of the Gloster ROM. The nearest town is Laverton, approximately 130 km southeast of Gloster. The nearest Threatened Ecological Community or Priority Ecological Community is the Banjawarn Calcrete approximately 46 km southwest of the premises boundary.

8.3. LAND SYSTEMS AND SOILS

Land systems as mapped by the Department of Primary Industries and Regional Development (former Department of Agriculture; Pringle et al., 1994) that occur in the area are described in Table 5 and shown in Figure 10.

Mapping of soils and landscapes has been undertaken by Department of Primary Industries and Regional Development in “Soil-landscapes of Western Australia’s Rangelands and Arid Interior” (Tille, 2006). The DGP falls within the Murchison province of this categorisation. This mapping is at a broader scale than the land system mapping.

The Felix land system dominates the area around Gloster (Table 5), with the mine site also containing the Nubev and Bevon land systems.

Table 5 Land Systems at Gloster

Land System	System Code	Description
Bevon	279Bv	Irregular low ironstone hills with stony lower slopes supporting mulga shrublands
Nubev	279Nu	Gently undulating stony plains, minor limonitic low rises and drainage floors, supporting mulga and halophytic shrublands
Felix	279Fx	Plains with quartz mantles, supporting mulga shrublands locally with wanderrie grasses

8.4. FLORA AND VEGETATION

Gloster occurs in the Austin Botanical District, within the Murchison 1 (MUR1-Eastern Murchison) IBRA subregion. Vegetation is dominated by *Acacia aneura* (mulga), which is present in most vegetation associations at Gloster.

Vegetation surveys have identified nine vegetation associations at Gloster. They are:

- A8 – Low open woodland to open shrubland of *Acacia ayersiana*, *A. aneura* var *aneura* and *A. aptaneura* with *A. tetragonophylla* over *Eremophila latrobei* subsp. *filiformis*, *Ptilotus obovatus*, *Dianella revoluta* and *Eragrostis eriopoda* on orange sandy-loams on flats.
- A12 – Open shrubland of *Acacia incurvaneura* and *A. mulganeura* over *A. tetragonophylla* and *Eremophila oldfieldii* over *Ptilotus obovatus*, *Hibiscus burtonii* and *Solanum lasiophyllum* over mixed grasses on flats to lower slopes with red gravelly clay.
- A20 – Open to semi-closed shrubland of *Acacia incurvaneura* and *A. quadrimarginata* over *Ptilotus obovatus*, *Hysterobaeckea occlusa* and *Ptilotus schwartzii* over mixed grasses on red clay loams with numerous granitic outcropping on slopes and ridges.
- A24 Thicket of *Acacia* section Juliflorae (*A. aneura*, *A. incurvaneura*, *A. craspedocarpa*) with *A. tetragonophylla* over open low shrubland of *Eremophila forrestii* subsp. *sieberi* over tussock grassland of mixed Poaceae spp. On red-orange sandy loam to clay loam in minor drainage lines.
- A25 Thicket of *Acacia* section Juliflorae (*A. aneura*, *A. incurvaneura*, *A. craspedocarpa*) with *A. tetragonophylla* over open low shrubland of *Eremophila ?spectabilis*, *Psydrax suaveolens* and *Solanum lasiophyllum* over *Eragrostis eriopoda* and other mixed grasses on red-orange clay loam on flats with quartz and iron pebbles.
- A26 Scrub to open scrub of *Acacia* sect. Juliflorae (*A. incurvaneura*, *A. macraneura* and *A. mulganeura*) over open low shrubland of *Ptilotus obovatus* and *Solanum lasiophyllum* over low chenopod shrubland of *Maireana triptera* and *Sclerolaena cuneata* on red-orange clay loam on flats and slopes (rarely) with quartz pebbles.
- A27 Open scrub of *Acacia* sect. Juliflorae (*A. ?aneura* and *A. pteraneura*) over open low shrubland of *Solanum lasiophyllum* and *Maireana convexa* over mixed grasses on red orange clay loam on flats with quartz and iron pebbles.
- C5 Low open Chenopod shrubland of *Maireana pyramidata* and *Eriochiton sclerolaenoides* with emergent *Acacia* sect. Juliflorae (*A. aneura* and *A. pteraneura*) and *Acacia tetragonophylla* over *Frankenia setosa* and *Maireana georgei* on red orange clay-loams on flats with quartz and iron pebbles.
- C6 Low open Chenopod shrubland of *Maireana triptera*, *Sclerolaena eurotooides*, *Maireana trichoptera* and *Sclerolaena cuneata* with emergent *Acacia* sect. Juliflorae (*A. incurvaneura* and *A. craspedocarpa*) over *Ptilotus obovatus* and Scrophulariaceae spp. On red-brown clay to clay-loam on flats.

No priority flora species have been recorded inside of the premises boundary or the surrounding mine area, although *Calytrix praecipua* (Priority 3), *Lysiandra baeckeoides* (Priority 3), *Einadia nutans* subsp. *nutans* (Priority 3) and *Eremophila pungens* (Priority 4) have a likely or highly likely chance of occurring in the general area. Vegetation condition in the general area is mostly good but with sizeable areas of very good. The closest recorded priority flora is the Priority 4 *Eremophila pungens* approximately 14 km southeast of the premises boundary.

The De La Poer Range Nature Reserve located approximately 55 km north east of Gloster.

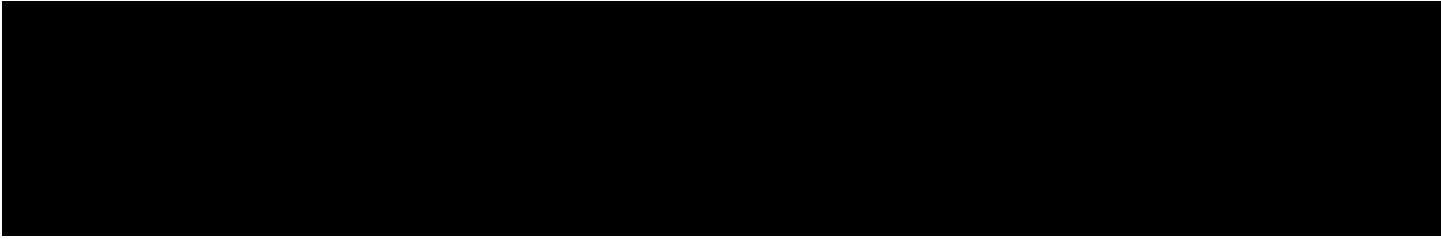
The crushing plant and power station will be installed on the Gloster ROM pad and will therefore not require clearing, however there may be risks related to dust.

8.5. HYDROLOGY

8.5.1. Surface Water

Gloster is located within the 113,780 km² Lake Carey catchment immediately southwest of the regional watershed of the Lake Carnegie catchment (68,670 km²). Both catchments are within the much larger internally draining Salt Lake Basin has an approximate area of 441,000 km² extending across much of central Western Australia. Gloster is also at the northern headwaters of Borodale Creek (1,492 km²) which drains in a southerly direction for ~30 km before terminating in the southern end of Lake Irwin. Borodale Creek forms a regional creek approximately 10 km south of Gloster. Immediately south of Gloster drainage is formed by several small higher order streams, prior to consolidating into Borodale Creek.

With Gloster being in an upper catchment, surface water risks relate to sediment laden discharge from incident rainfall, leaving site. As an existing mine, Gloster has existing perimeter drainage bunding to manage surface water runoff.



10. REFERENCES

Department of Environment and Water Regulation (2017). *Guideline Risk Assessments*.

Environment Australia (2012). *Interim Biogeographic Regionalisation for Australia*.

Pringle, H., Vreeswyk, A. & Gilligan, S (1994). *Technical Bulletin 87: An inventory and condition survey of rangelands in the north-eastern Goldfields, Western Australia*.

Tille, P (2006). *Soil-landscapes of Western Australia's Rangelands and Arid Interior*.

11. APPENDICES

11.1. CAT 3516C ENGINE SPECIFICATION SHEET USED IN QXC1600 POWER GENERATOR

Cat® 3516C

Diesel Generator Sets



Image shown may not reflect actual configuration

Bore – mm (in)	170 (6.69)
Stroke – mm (in)	215 (8.46)
Displacement – L (in ³)	78.1 (4765)
Compression Ratio	14.0:1
Aspiration	TA
Fuel System	EUI
Governor Type	ADEM™ A3

Standby 50 Hz kVA (ekW)	Mission Critical 50 Hz kVA (ekW)	Prime 50 Hz kVA (ekW)	Emissions Performance
2750 (2200)	2750 (2200)	2500 (2000)	Optimized for Low Fuel Consumption

Features

Cat® Diesel Engine

- Designed and optimized for low fuel consumption
- Reliable performance proven in thousands of applications worldwide
- Certified alternative fuels including Hydrotreated Vegetable Oil (HVO), Renewable Diesel (RD) and Hydrotreated Renewable Diesel (HRD) which meet EN 15940 or ASTM D975 can be used or blended with EN 590 diesel

Generator Set Package

- Accepts 100% block load in one step
- Meets NFPA 110 loading requirements
- Conforms to ISO 8528-5 G3 load acceptance requirements
- Reliability verified through torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

Alternators

- Superior motor starting capability minimizes need for oversizing generator
- Designed to match performance and output characteristics of Cat diesel engines

Cooling System

- Cooling systems available to operate in ambient temperatures up to 50°C (122°F)
- Tested to ensure proper generator set cooling

Cat Energy Control System (ECS)

- User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements
- Graphical touchscreen display
- Easily upgradeable

Warranty

- 24 months/1000-hour warranty for standby and mission critical ratings
- 12 months/unlimited hour warranty for prime and continuous ratings
- Extended service protection is available to provide extended coverage options

Worldwide Product Support

- Cat dealers have over 1,800 dealer branch stores operating in 200 countries
- Your local Cat dealer provides extensive post-sale support, including maintenance and repair agreements

Financing

- Caterpillar offers an array of financial products to help you succeed through financial service excellence
- Options include loans, finance lease, operating lease, working capital, and revolving line of credit
- Contact your local Cat dealer for availability in your region

Standard and Optional Equipment

Engine

Air Cleaner

- Single element
- Dual element

Muffler

- Industrial grade (15 dB)

Starting

- Standard batteries
- Oversized batteries
- Standard electric starter(s)
- Heavy duty electric starter(s)
- Air starter(s)
- Jacket water heater

Alternator

Output voltage

- 380V 6600V
- 400V 6900V
- 415V 10000V
- 3300V 10500V
- 6300V 11000V

Temperature Rise (over 40°C ambient)

- 150°C
- 125°C/130°C
- 105°C
- 80°C

Winding type

- Random wound
- Form wound

Excitation

- Internal excitation (IE)
- Permanent magnet (PM)

Attachments

- Anti-condensation heater
- Stator and bearing temperature monitoring and protection

Power Termination

Type

- Bus bar
- Circuit breaker
- 1600A 2000A
- 2500A 3000A
- 3200A 4000A
- 5000A
- UL IEC
- 3-pole 4-pole
- Manually operated
- Electrically operated

Trip Unit

- LSI LSI-G
- LSI-G-P

Control System

Controller

- Cat ECS 100
- Cat ECS 200
- EMCP 4.4

Attachments

- Local annunciator module
- Remote annunciator module
- Expansion I/O module
- Remote monitoring software

Charging

- Battery charger – 10A
- Battery charger – 20A
- Battery charger – 35A

Vibration Isolators

- Rubber
- Spring
- Seismic rated

Cat Connect

Connectivity

- Ethernet
- Cellular

Extended Service Options

Terms

- 2 year (prime)
- 3 year
- 5 year
- 10 year

Coverage

- Silver
- Gold
- Platinum
- Platinum Plus

Ancillary Equipment

- Automatic transfer switch (ATS)
- Paralleling switchgear
- Paralleling controls

Certifications

- IBC seismic certification
- EU & GB Declaration of Conformity
- EU & GB Declaration of Incorporation
- Eurasian Conformity (EAC)

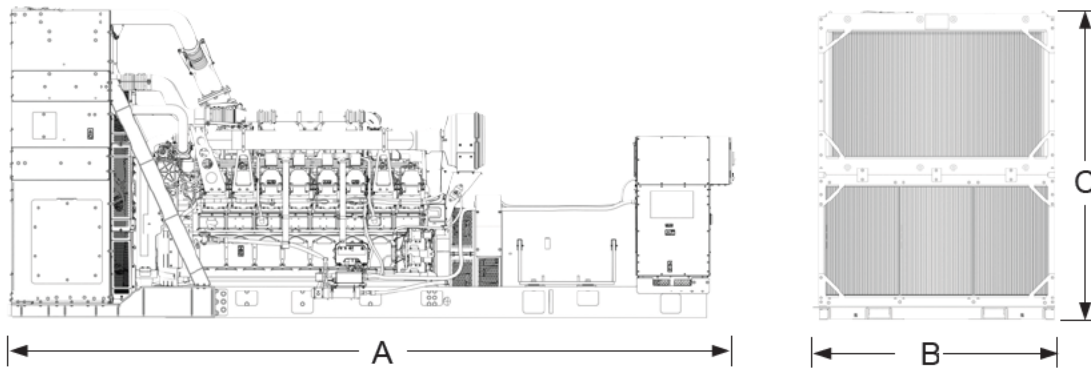
Note: Some options may not be available on all models. Certifications may not be available with all model configurations. Consult factory for availability.

Package Performance

Performance	Standby		Mission Critical		Prime	
Frequency	50 Hz		50 Hz		50 Hz	
Gen set power rating with fan	2200 ekW		2200 ekW		2000 ekW	
Gen set power rating with fan @ 0.8 power factor	2750 kVA		2750 kVA		2500 kVA	
Emissions	Low Fuel		Low Fuel		Low Fuel	
Performance number	DM8444-03		EM0599-02		DM8445-04	
Fuel Consumption						
100% load with fan – L/hr (gal/hr)	554.2	(146.4)	554.2	(146.4)	505.2	(133.5)
75% load with fan – L/hr (gal/hr)	423.7	(111.9)	423.7	(111.9)	385.0	(101.7)
50% load with fan – L/hr (gal/hr)	291.3	(76.9)	291.3	(76.9)	270.3	(71.4)
25% load with fan – L/hr (gal/hr)	175.9	(46.5)	175.9	(46.5)	166.0	(43.8)
Cooling System						
Radiator air flow restriction (system) – kPa (in. water)	0.12	(0.48)	0.12	(0.48)	0.12	(0.48)
Radiator air flow – m ³ /min (cfm)	2378	(83978)	2378	(83978)	2378	(83978)
Engine coolant capacity – L (gal)	233.2	(61.6)	233.2	(61.6)	233.2	(61.6)
Radiator coolant capacity – L (gal)	180.0	(47.6)	180.0	(47.6)	180.0	(47.6)
Total coolant capacity – L (gal)	413.2	(109.2)	413.2	(109.2)	413.2	(109.2)
Inlet Air						
Combustion air inlet flow rate – m ³ /min (cfm)	183.7	(6486.7)	183.7	(6486.7)	171.2	(6045.2)
Exhaust System						
Exhaust stack gas temperature – °C (°F)	477.8	(892.0)	477.8	(892.0)	465.8	(870.4)
Exhaust gas flow rate – m ³ /min (cfm)	484.2	(17097.8)	484.2	(17097.8)	444.2	(15684.9)
Exhaust system backpressure (maximum allowable) – kPa (in. water)	6.7	(27.0)	6.7	(27.0)	6.7	(27.0)
Heat Rejection						
Heat rejection to jacket water – kW (Btu/min)	757	(43050)	757	(43050)	721	(41002)
Heat rejection to exhaust (total) – kW (Btu/min)	2168	(123295)	2168	(123295)	1964	(111690)
Heat rejection to aftercooler – kW (Btu/min)	594	(33781)	594	(33781)	514	(29230)
Heat rejection to atmosphere from engine – kW (Btu/min)	147	(8360)	147	(8360)	142	(8075)
Heat rejection from alternator – kW (Btu/min)	106	(6034)	106	(6034)	94	(5357)
Emissions* (Nominal)						
NOx mg/Nm ³ (g/hp-h)	2575.8	(5.25)	2575.8	(5.25)	2437.8	(4.97)
CO mg/Nm ³ (g/hp-h)	185.6	(0.38)	185.6	(0.38)	202.5	(0.41)
HC mg/Nm ³ (g/hp-h)	8.1	(0.02)	8.1	(0.02)	11.1	(0.02)
PM mg/Nm ³ (g/hp-h)	9.5	(0.02)	9.5	(0.02)	6.5	(0.01)
Emissions* (Potential Site Variation)						
NOx mg/Nm ³ (g/hp-h)	3090.9	(6.31)	3090.9	(6.31)	2925.4	(5.96)
CO mg/Nm ³ (g/hp-h)	334.1	(0.68)	334.1	(0.68)	364.5	(0.74)
HC mg/Nm ³ (g/hp-h)	10.8	(0.02)	10.8	(0.02)	14.8	(0.03)
PM mg/Nm ³ (g/hp-h)	13.3	(0.03)	13.3	(0.03)	9.1	(0.02)

*mg/Nm³ levels are corrected to 5% O₂. Contact your local Cat dealer for further information.

Weights and Dimensions



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
7019 (276.3)	2339 (92.1)	3003 (118.2)	17 731 (39,090)

Note: For reference only. Do not use for installation design.
Contact your local Cat dealer for precise weights and dimensions.

Ratings Definitions

Standby

Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby rated ekW. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Mission Critical

Output available with varying load for the duration of the interruption of the normal source power. Average power output is 85% of the mission critical rated ekW. Typical peak demand up to 100% of rated ekW for up to 5% of the operating time. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Prime

Output available with varying load for an unlimited time. Average power output is 70% of the prime rated ekW. Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

Applicable Codes and Standards

AS 1359, IBC, IEC 60034-1, ISO 3046, ISO 8528, NEMA MG1-22, NEMA MG1-33, 2014/35/EU, 2006/42/EC, 2014/30/EU and facilitates compliance to NFPA 37, NFPA 70, NFPA 99, NFPA 110.

Note: Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

Data Center Applications

- All ratings Tier III/Tier IV compliant per Uptime Institute requirements.
- All ratings ANSI/TIA-942 compliant for Rated-1 through Rated-4 data centers.

Fuel Rates

Fuel consumption reported in accordance with ISO 3046-1, based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 15°C (59°F) and weighing 850 g/liter (7.0936 lbs/U.S. gal.) All fuel consumption values refer to rated engine power.

www.cat.com/electricpower
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Materials and specifications are subject to change without notice.
The International System of Units (SI) is used in this publication.