

Applicant Submissions
 Department of Water and Environmental Regulation
info@dwer.wa.gov.au

Record: 2178704

30 April 2026

Dear Mr Jones

APPLICATION FOR KWINANA BULK TERMINAL LICENCE AMENDMENT L4476/1984/12 - CHANGES TO IMPORT/EXPORT TONNAGES

For your information and review please find attached an application to amend Kwinana Bulk Terminal Environmental Licence L4476/1984/12.

The application proposes an increase to the tonnage of “Gypsum, granulated slag, nut coke (combined)” commodity. The reason is to accommodate an increase in demand for gypsum and granulated slag products.

Table 1. Quantity of materials handled at Kwinana Bulk Terminal.

Commodity	Current Tonnage	Proposed Tonnage
Iron ore	5,000,000 tonnes	5,000,000 tonnes (exported)
Bauxite	(exported)	
Cement clinker	1,400,000 tonnes (imported)	1,400,000 tonnes (imported)
Gypsum, granulated slag, nut coke (combined)	550,000 tonnes (exported and imported)	750,000 tonnes (exported and imported)
Spodumene	400,000 tonnes (exported)	400,000 tonnes (exported)
Silica sands	2,600,000 (exported)	2,600,000 (exported)
Total tonnage (aggregate of all bulk materials including Trial products)	9,950,000 tonnes	10,150,000 tonnes

The application has been signed by Fremantle Ports' Chief Executive Officer Jodie Ransom who is authorised pursuant to section 15 of the *Port Authorities Act 1999*, with the powers needed to administer the day-to-day operation of the Port including environmental licence amendments.

The associated documents and supporting information are attached to this application. We look forward to your response to this correspondence, and if you require further information or clarification, please contact

Encs:

Licence Amendment Application

Attachment 2: Prescribed Premises Map

Attachment 2B: Kwinana Bulk Terminal Infrastructure Map

Attachment 6A: Emissions and Discharges - Risk Assessment

Attachment 8: Product Safety Data Sheets

Attachment 10: Licence Amendment Fee Calculation



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	<p>This is an application for: <i>[Select one option only. Your application may be returned if multiple options are selected.]</i></p> <p>under Part V, Division 3 of the EP Act.</p> <p>Please see the:</p> <ul style="list-style-type: none"> • Guideline: Industry Regulation Guide to Licensing • Procedure: Prescribed premises works approvals and licences <p>for more information to assist in understanding DWER's regulatory regime for prescribed premises.</p>	<p><input type="checkbox"/> Works approval</p> <p><input type="checkbox"/> Licence Existing registration number(s): [] Existing works approval number(s): []</p> <p><input type="checkbox"/> Renewal Existing licence number: []</p> <p><input checked="" type="checkbox"/> Amendment Number of the existing licence or works approval to be amended: [L4476/1984/12]</p> <p><input type="checkbox"/> Registration (works approval already obtained) Existing works approval number(s): []</p>
1.2	<p>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.</p>	<p>Yes</p> <p><input type="checkbox"/></p>
1.3	<p>This application is for the following categories of prescribed premises: <i>(specify all prescribed premises category numbers)</i></p>	<p>[Category 58 & 58A]</p> <p><input checked="" type="checkbox"/> 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).</p>

Completion Matrix

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

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

Key:

- Must be completed / submitted.
- △ To the extent changed / required in relation to the amendment.
- N/A Not required with application, but may be requested subsequently depending on DWER records.
- “If required” Sections for applicants to determine.

Part 2: Applicant details							
INSTRUCTIONS:							
<ul style="list-style-type: none"> The applicant (the occupier of the premises) must be an individual(s), a company, body corporate, or public authority, but not a partnership, trust, or joint-venture name. Applications made by or on behalf of business names or unincorporated associations will not be accepted. If applying as an individual, your full legal name must be provided. If applying as a company, body corporate, or public authority, the full legal entity name must be inserted. Australian Company Number's (ACN) must be provided for all companies or body corporates. DWER prefers to send all correspondence electronically via email. We request that you consent to receiving all correspondence relating to instruments and notices under Part V of the EP Act (Part V documents) electronically via email, by indicating your consent in Section 2.3. Companies or body corporates making an application must nominate an authorised representative from within their organisation. Proof of authorisation must be submitted with the application (see Section 2.10). If you are applying as an individual, you are the representative. Details of a contact person must be provided for DWER enquiries in relation to your application. This contact person can be a consultant if authorised to represent the applicant. Written evidence of this authorisation must be provided. Details of the occupier of the premises must be provided. One of the options must be selected and if you have been asked to specify, please provide details. For example, if 'lease holder' has been selected, please specify the type of lease (for example, pastoral lease, mining lease, or general lease) and provide a copy of the lease document(s). Note that contracts for sale of land will not be sufficient evidence of occupancy status. 							
2.1	Applicant name/s (full legal name/s): The proposed holder of the works approval, licence or registration.	Fremantle Port Authority					
	ACN (if applicable):	[REDACTED]					
2.2	Trading as (if applicable):	Fremantle Ports					
2.3	Authorised representative details: The person authorised to receive correspondence and Part V documents on behalf of the applicant under the EP Act. Where 'yes' is selected, all correspondence will be sent to you via email, to the email address provided in this section. Where 'no' has been selected, Part V documents will be posted to you in hard copy to the postal / business address specified in Section 2.4, below. Other general correspondence may still be sent to you via email.	Name	[REDACTED]				
		[REDACTED]	[REDACTED]				
		[REDACTED]	[REDACTED]				
		[REDACTED]	[REDACTED]				
		[REDACTED]	[REDACTED]				
		<i>I consent to all written correspondence between myself (the applicant) and DWER, regarding the subject of this application, being exclusively via email, using the email address I have provided above.</i>	<table border="1"> <thead> <tr> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Yes	No	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Yes	No						
<input checked="" type="checkbox"/>	<input type="checkbox"/>						
2.4	Registered office address, as registered with the Australian Securities and Investments Commission (ASIC): This must be a physical address to which a Part V document may be delivered.	Fremantle Ports 1 Cliff Street Fremantle WA 6160					

Part 2: Applicant details				
2.5	Postal address for all other correspondence: If different from Section 2.4.	PO Box 95 Fremantle WA 6160		
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	██████████	
		██████████	████████████████████	
		██████████	██████████	
		██████████	██████████	
		██████████	██████████	
		██████████	████████████████████ ████████████████████	
2.7	Occupier status: Occupier is defined in s.3 of the EP Act and includes a person in occupation or control of the premises, or occupying a different part of the premises whether or not that person is the owner. Note: if a lease holder, the applicant must be the holder of an executed lease, not just an agreement to lease.	Registered proprietor on certificate of title.	<input type="checkbox"/>	
		Lease holder (please specify, including date of expiry of lease).	<input type="checkbox"/>	
		Public authority that has care, control, or management of the land.	<input checked="" type="checkbox"/>	
		Other evidence of legal occupation or control (please specify – for example, joint venture operating entity, contract, letter of operational control, or other legal document or evidence of legal occupation).	<input type="checkbox"/>	
Attachments			N/A	Yes
2.8	Attachment 1A: Proof of occupier status	Copies of certificate of title, lease, or other instruments evidencing proof of occupier status, including the expiry date or confirmation that there is no expiry date, have been provided and labelled as Attachment 1A.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.9	Attachment 1B: ASIC company extract	A current company information extract (not the company information summary) purchased from the ASIC website(s) for all new applications / registrations has been provided and labelled as Attachment 1B.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.10	Attachment 1C: Authorisation to act as representative of the occupier	A copy of the documentation authorising the applicant to act on the occupier's behalf as their authorised agent/representative has been provided and labelled as Attachment 1C.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 3: Premises details			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.	Lot 452 on Plan 220690; and Part of Lot 11 on plan 39572		
	Premises street address Include the suburb.	1 Riseley Road, Kwinana Beach, WA 6167		
	Premises name (if applicable):	Kwinana Bulk Terminal		
3.2	Local Government Authority area: City, Town, or Shire.	City of Kwinana		
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.	Refer Attachment 2		
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.	Cement Clinker Import Circuit: JC01, T1, IC01A, T12, CC01, T14, CC04 to CCL infrastructure	58	Att. 2B	<input type="checkbox"/>	<input type="checkbox"/>
2.	Alternate Import Circuit: JC01, T1, IC01A, T12, IC01, T2, ICO2, IC04, IC05, IC06, RC02, RC03	58	Att. 2B	<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"/>

Part 4: Proposed activities	
4.2	<p>Detailed description of proposed activities or proposed changes (if an amendment): You must provide details of proposed activities relevant to this application within the boundary of the prescribed premises, identifying:</p> <ul style="list-style-type: none"> • scope, size, and scale of the project, including details as to production or design capacity (and/or frequency, if applicable); • key infrastructure and equipment; • description of processes or operations (a process flow chart may be included as an attachment); • emission / discharge points; • locations of waste storage or disposal • activities occurring during construction, environmental commissioning, and operation (if applicable). <p>If assessment and imposition of conditions to allow environmental commissioning to be undertaken are requested, please provide an environmental commissioning plan as Attachment 3A (see 4.11 below). Additional information relating to the proposed activities may be included in Attachment 3B (see 4.12 below).</p> <p>Construction activities (if applicable): n/a</p> <p>Environmental commissioning activities (if applicable): Refer to the Guideline: Industry Regulation Guide to Licensing for further guidance. n/a</p> <p>Time limited operations activities (if applicable): Different elements of the premises may require time limited operations to commence at different times. In these circumstances, please specify the infrastructure and/or equipment for which time limited operations authorisation is being applied for. If time limited operations are expected to differ from future licensed operations, specify how and why this would be the case. Refer to the Guideline: Industry Regulation Guide to Licensing for further guidance. n/a</p> <p>Operations activities (for a licence): Production Thresholds - Proposed increase to the tonnage of "Gypsum, granulated slag, nut coke (combined)" commodity.</p>
4.3	<p>Estimated operating period of the project / premises (e.g. based on estimated infrastructure life): 10/10/2012 to 09/10/2032</p>
4.4	<p>Proposed date(s) for commencement of works (if applicable): n/a</p>
4.5	<p>Proposed date(s) for conclusion of works construction (if applicable): n/a</p> <p>This date should coincide with the submission to DWER of an Environmental Compliance Report(s) and/or a Critical Containment Infrastructure Report(s) as required. Refer to the Guideline: Industry Regulation Guide to Licensing.</p>
4.6	<p>Proposed date(s) for environmental commissioning of works (if applicable): n/a</p> <p>Refer to the Guideline: Industry Regulation Guide to Licensing.</p>
4.7	<p>Proposed date/s for commencement of time limited operations under works approval (if applicable): n/a</p> <p>Refer to the Guideline: Industry Regulation Guide to Licensing.</p>
4.8	<p>Maximum production or design capacity for each category applied for (based on infrastructure operating 24 hours a day, 7 days a week): Category 58 & 58A The maximum production capacity is 50,000 tonnes/day as per the existing licence.</p> <p>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.</p>

Part 4: Proposed activities				
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 58 & 58A 10,150,000 tonnes/annum is the estimated throughput.		
Attachments			N/A	Yes
4.10	Attachment 2: Premises map	Emission/discharge points are clearly labelled on the map/s required for Part 3.4 (Attachment 2).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.11	Attachment 3A: Environmental commissioning plan	<p>If applying to construct works or install equipment, and environmental commissioning of the works or equipment is planned, an environmental commissioning plan has been included in Attachment 3A.</p> <p>The environmental commissioning plan is expected to include, at minimum, identification of:</p> <ul style="list-style-type: none"> the sequence of commissioning activities to be undertaken, including details on whether they will be done in stages; a summary of the timeframes associated with the identified sequence of commissioning activities; the inputs and outputs that will be used in the commissioning process; the emissions and/or discharges expected to occur during commissioning; the emissions and/or discharges that will be monitored and/or confirmed to establish or test a steady-state operation (e.g. identifying emissions surrogates, etc.), including a detailed emissions monitoring program for the measurement of those emissions and/or discharges; the controls (including management actions) that will be put in place to address the expected emissions and/or discharges; any contingency plans for if emissions exceedances or unplanned emissions and/or discharges occur how any of the above would differ from standard operations once commissioning is complete. <p>Note that DWER will not include conditions on a granted instrument that authorise environmental commissioning activities where it is not satisfied that the risks associated with environmental commissioning can be adequately addressed.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.12	Attachment 3B: Proposed activities	Additional information relating to the proposed activities has been included in Attachment 3B (if required).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clearing activities				
4.13 to 4.19 are only required if the application includes clearing of native vegetation.				
4.13	Proposed clearing area (hectares and/or number of individual trees to be removed):	N/A		
4.14	Details of any relevant exemptions: Refer to DWER's A guide to the exemptions and regulations for clearing native vegetation .	N/A		
4.15	Proposed method of clearing:	N/A		
4.16	Period within which clearing is proposed to be undertaken: For example, May 2020 – June 2020.	N/A		
4.17	Purpose of clearing: N/A			
Clearing activities – Attachments			N/A	Yes

Part 4: Proposed activities					
4.18	Attachment 3C: Map of area proposed to be cleared	<p>You must provide:</p> <p>an aerial photograph or map of sufficient scale showing the proposed clearing area and prescribed premises boundary</p> <p>OR</p> <p>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:</p> <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). 	<table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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).	<table border="1"> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<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 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. 								
Attachments			N/A	Yes				
5.1	Biodiversity surveys	<p>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).</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
	<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 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>	<table border="1"> <tr> <td>Submission number(s)</td> <td>N/A</td> </tr> <tr> <td>IBSA number(s)</td> <td>N/A</td> </tr> </table>	Submission number(s)	N/A	IBSA number(s)	N/A		
Submission number(s)	N/A							
IBSA number(s)	N/A							
5.2	Attachment 4: Marine surveys	All marine surveys submitted with this application meet the requirements of the EPA's Instructions for the preparation of data packages for the Index of Marine Surveys for Assessments (IMSA) .	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Part 6: Other DWER approvals	
<p>INSTRUCTIONS:</p> <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; height: 60px; width: 100%; background-color: black; margin-top: 10px;"></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: 50px; width: 100%; 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: [GWL163607(3)]</p> <p><input type="checkbox"/> No – an exemption applies (explain why):</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p><input type="checkbox"/> No – licence / permit not required</p>

Part 7: Other approvals and consultation			
INSTRUCTIONS:			
<ul style="list-style-type: none"> • Please provide copies of all relevant documentation indicated below, including any conditions, exclusions, or expiry dates. • “Major Project” means: <ul style="list-style-type: none"> ➢ A State Development Project, where the lead agency is the Department of Jobs, Tourism, Science and Innovation (including projects to which a State Agreement applies); or ➢ A Level 2 or 3 proposal, as defined in the Department of Premier and Cabinet’s Lead Agency Framework. 			
	N/A	No	Yes
7.1	Is the proposal a Major Project?	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7.7	Has the proposal obtained all other necessary statutory approvals (not including any other DWER approvals identified in Part 6 of this application)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, please provide details of approvals already obtained, outstanding approvals, and expected dates for obtaining these outstanding approvals:					
		N/A	No	Yes	
7.8	Has consultation been undertaken with parties considered to have a direct interest in the proposal (that is, interested parties or persons who are considered to be directly affected by the proposal)? DWER will give consideration to submissions from interested parties or persons in accordance with the Guideline: Industry Regulation Guide to Licensing .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Attachments			N/A	Yes	
7.9	Attachment 5: Other approvals and consultation documentation	Details of other approvals specified in Part 7 of this application, including copies of relevant decisions and any consultation undertaken with direct interest stakeholders have been provided and labelled Attachment 5.		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 8: Applicant history				
Note:				
<ul style="list-style-type: none"> DWER will undertake an internal due diligence of the applicant's fitness and competency based on DWER's compliance records and the responses to Part 8 of the form. If you wish to provide additional information for DWER to consider in making this assessment, you may provide that information as a separate attachment (see Part 11). 				
		N/A	No	Yes
8.1	If the applicant is an individual, has the applicant previously held, or do they currently hold, a licence or works approval under Part V of the EP Act?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.2	If the applicant is a corporation, has any director of that corporation previously held, or do they currently hold, a licence or works approval under Part V of the EP Act?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.3	If yes to 8.1 or 8.2 above, specify the name of company and/or licence or works approval number: L4476/1984/12 - Kwinana Bulk Terminal - Category 58 Part V Environmental Licence L4474/1976/14 - Kwinana Bulk Jetty - Category 58 Part V Environmental Licence			
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.

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)
A) Cement Clinker Import Circuit					
1.	JC01 conveyor	Gypsum, granulated slag, nut coke fines/dust.	Average conveyor load 600-650 t/h (maximum 1000 t/h)	Wind shields to contain dust on the conveyor.	Refer Attachment 2B
2.	Transfer Station: T1 conveyor transfer	As above	As above	Transfer station enclosed to contain dust on the conveyor belt transfer points. All dust collectors must be on, operating and not full or blocked.	As above
3.	IC01A conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above
4.	Transfer Station: T12 conveyor transfer	As above	As above	Transfer station enclosed to contain dust on the conveyor belt transfer points. All dust collectors must be on, operating and not full or blocked.	As above
5.	CC01 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above
6.	Transfer Station: T14 conveyor transfer	As above	As above	Transfer station enclosed to contain dust on the conveyor belt transfer points. All dust collectors must be on, operating and not full or blocked.	As above
7.	CC04 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above
B) Alternate Import Circuit					
1.	JC01 conveyor	Gypsum, granulated slag, nut coke fines/dust.	Average conveyor load 600-650 t/h (maximum 1000 t/h)	Wind shields to contain dust on the conveyor.	Refer Attachment 2B
2.	Transfer Station: T1 conveyor transfer	As above	As above	Transfer station enclosed to contain dust on the conveyor belt transfer points. All dust collectors must be on, operating and not full or blocked.	As above

Part 9: Emissions, discharges, and waste						
3.	IC01A conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
4.	Transfer Station: T12 conveyor transfer	Gypsum, granulated slag, nut coke fines/dust.	Average conveyor load 600-650 t/h (maximum 1000 t/h)	Transfer station enclosed to contain dust on the conveyor belt transfer points. All dust collectors must be on, operating and not full or blocked.	As above	
5.	IC01 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
6.	Transfer Station: T2 conveyor transfer	As above	As above	Transfer station enclosed to contain dust on the conveyor belt transfer points. All dust collectors must be on, operating and not full or blocked.	As above	
7.	IC02 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
8.	IC04 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
9.	IC05 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
10.	IC06 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
11.	RC02 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
12.	RC03 conveyor	As above	As above	Wind shields to contain dust on the conveyor.	As above	
9.2	Waste-related activities at the premises²				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:					
<p>² Copies / details of any other relevant approvals (e.g. from the Department of Health) must be provided where applicable.</p> <p>³ Wastes derived from the storage, handling, and use of dangerous goods may be considered hazardous and may need to be handled with the same precautions. Please refer to the Department of Mines, Industry Regulation and Safety's Dangerous Goods Safety information sheet for more information.</p> <p>Solid waste types must be described with reference to <i>Landfill Waste Classification and Waste Definitions 1996</i> (as amended from time to time) and the Environmental Protection (Controlled Waste) Regulations 2004 (Controlled Waste Regulations).</p> <p>Liquid waste types must be described with reference to the Controlled Waste Regulations.</p> <p>For further guidance on the definition of waste, refer to Fact Sheet: Assessing whether material is waste.</p>						

Part 9: Emissions, discharges, and 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	<p>Sensitive land uses What is/are the distance(s) to the nearest sensitive land use(s)? A sensitive land use is a residence or other land use which may be affected by an emission or discharge associated with the proposed activities.</p>	<p>Closest residential premise is 3,130 meters to the south-east, while the closest industrial neighbour is 600m to the north-east</p>
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10.2	<p>Nearby environmentally sensitive receptors and aspects Identify in Table 10.2 (below):</p> <ul style="list-style-type: none"> all instances of environmentally sensitive receptors that are known or suspected to be present within, or within close proximity to, the proposed prescribed premises boundary; the nature of the sensitive receptors (e.g. type of Threatened Ecological Community, species or threatened flora or fauna, etc.); their actual or approximate known distance and direction from the premises boundary (at the closest point/s); and if applicable, what measures have been or will be taken to ensure that sensitive receptors are not adversely impacted by any emissions or discharges from the premises.
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Refer to the [Guideline: Environmental siting](#) for further guidance.

Table 10.2: Nearby environmentally sensitive receptors and aspects

Type / classification	Description	Distance + direction to premises boundary	Proposed controls to prevent or mitigate adverse impacts (if applicable)
Environmentally Sensitive Areas ¹			
Threatened Ecological Communities			
Threatened and/or priority fauna			
Threatened and/or priority flora			

Part 10: Siting and location				
	Aboriginal and other heritage sites ²			
	Public drinking water source areas ³			
	Rivers, lakes, oceans, and other bodies of surface water, etc.			
	Acid sulfate soils			
	Other			
<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. <div style="border: 1px solid black; height: 30px; width: 100%;"></div>			
Attachments			N/A	Yes
10.4	Attachment 7: Siting and location	You must provide details and a map describing the siting and location of the premises, including identification of distances to sensitive land uses and/or any specified ecosystems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 11: Submission of any other relevant information				
Attachments			No	Yes
11.1	Attachment 8: Additional information submitted	Applicants seeking to submit further information may include information labelled Attachment 8. If submitting multiple additional attachments, label them 8A, 8B, etc. Where additional documentation is submitted, please specify the name of documents below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	List title of additional document(s) attached:	Safety Data Sheets for; Gypsum, Granulated Blast Furnace Slag, Coke.		

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

Part 13: Proposed fee calculation	
INSTRUCTIONS:	
Please calculate the prescribed fee using the relevant online fee calculator linked below.	
<ul style="list-style-type: none"> • Licence: www.der.wa.gov.au/LicenceFeeCalculator • Works approval: www.der.wa.gov.au/WorksApprovalFeeCalculator • Amendment: https://www.wa.gov.au/government/publications/works-approval-and-licence-amendment-fee-calculator 	
Different fee units apply for different fee components. Fee units may also have different amounts depending on the period in which the calculation is made.	
Once DWER has confirmed that the application submitted meets the relevant requirements of the EP Act, you will be issued an invoice with instructions for paying your application fee.	
Further information on fees can be found in the Fact Sheet: Industry Regulation fees , and on DWER's website .	
13.1	<p>Only the relevant fee calculations are to be completed as follows: <i>[mark the box to indicate sections completed]</i></p> <p><input 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 checked="" 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	<p>All information and data used for the calculation of proposed fees has been provided in accordance with Section 13.8. <input checked="" type="checkbox"/></p>
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: \$	\$

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)		
<p>The fee prescribed for an application for an amendment to a works approval or licence is calculated in accordance with r.5BB(1)(a) of the EP Regulations:</p> <ul style="list-style-type: none"> for a single category of prescribed premises to which the works approval or licence relates, by using the fee unit number corresponding to the prescribed premises category and relevant design capacity threshold in Schedule 4 Part 1 of the EP Regulations. for multiple categories of prescribed premises to which the works approval or licence relates, by using the highest fee unit number corresponding to the prescribed premises categories and design capacity threshold in Schedule 4 Part 1 of the EP Regulations. 		
<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div>		
13.7 Prescribed fee for clearing permit		
<p>In accordance with the Guideline: Industry Regulation Guide to Licensing and Procedure: Native vegetation clearing permits, where approval to clear native vegetation is sought as part of an application for a works approval or licence, DWER may elect to either jointly or separately determine the clearing component of the application. Where DWER separately determines the clearing component of an application, the application will be deemed to be an application for a clearing permit under s.51E of the EP Act and processed accordingly.</p> <p>Note: If a clearing permit application has been separately submitted and accepted by DWER, a refund for the clearing permit application will not be provided where DWER determines to address clearing requirements as part of a related works approval application.</p>	<input type="checkbox"/> (Tick to acknowledge)	
13.8 Information and data used to calculate proposed fees		
<p>The detailed calculations of fee components, including all information and data used for the calculations are to be provided as attachments to this application, labelled as Attachment 10, with an appropriate suffix (for example 10A, 10B etc.). Please specify the relevant attachment number in the space/s provided below.</p>		
Proposed fee for works approval	Attachment No.	
Details for cost of works		
Proposed fee for licence	Attachment No.	
Part 1: Premises	Attachment 10	
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>INSTRUCTIONS: Check one of the boxes below to nominate how you will submit your application. Files larger than 50MB cannot be received via email by DWER. Files larger than 50MB can be sent via File Transfer. Alternatively, email DWER to make other arrangements.</p>	
<p>A full, signed, electronic copy of the application form including all attachments has been submitted via email to info@dwer.wa.gov.au; OR</p>	<input 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"/>

Part 16: Declaration and signature

General
 I / We confirm and acknowledge that:

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

Publication
 I / We confirm and acknowledge:

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

	30/04/2026 <hr style="border: 0; border-top: 1px solid black;"/> Date
<hr style="border: 0; border-top: 1px solid black;"/> Signature	<hr style="border: 0; border-top: 1px solid black;"/> Date
<hr style="border: 0; border-top: 1px solid black;"/> Name	
<hr style="border: 0; border-top: 1px solid black;"/> Position	

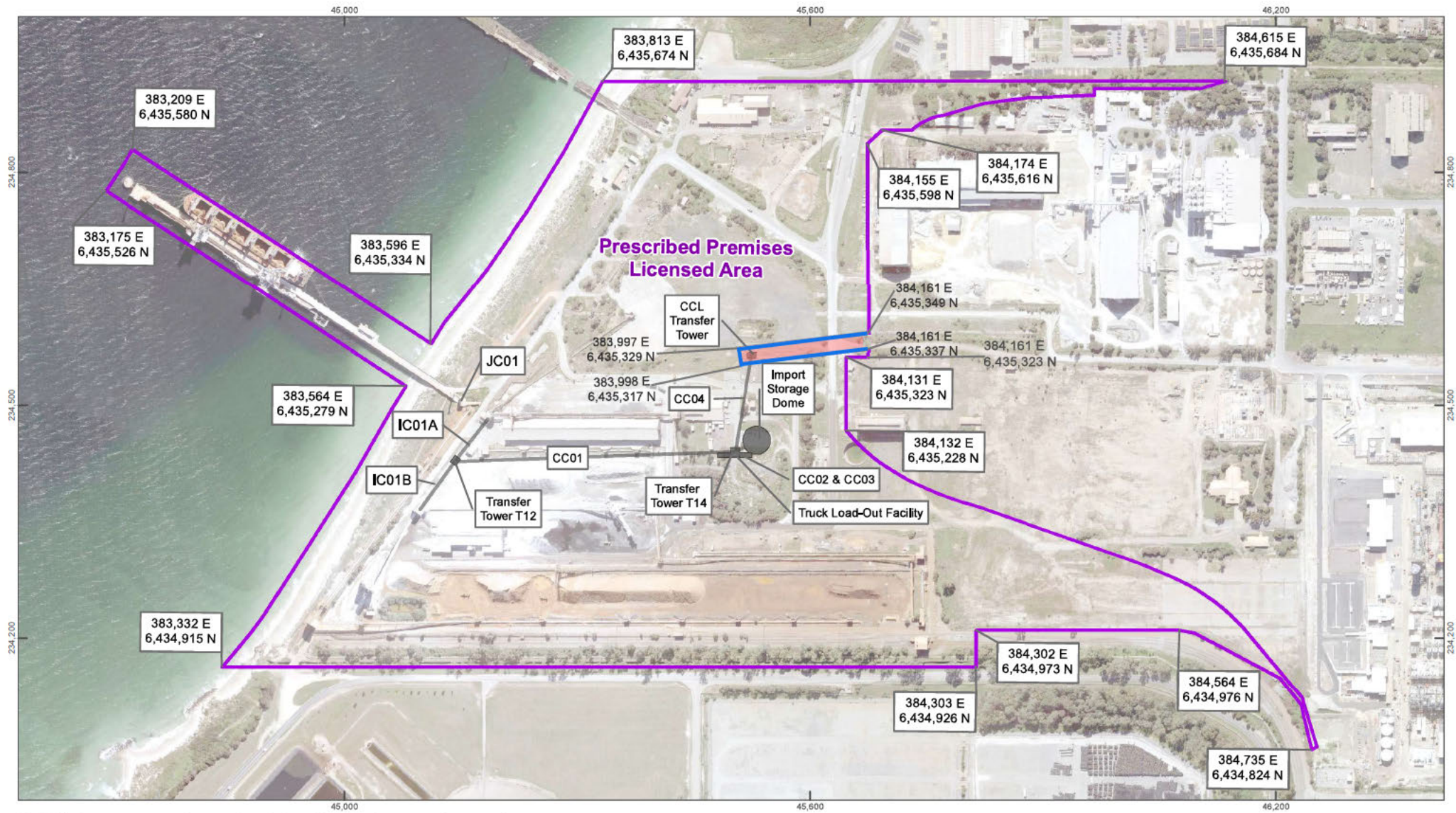
NOTE: This form may be signed:

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

ATTACHMENT 11 – Confidential or commercially sensitive information

Request for exemption from publication			
Information which you consider should not be published, on the grounds of a relevant exemption found in Schedule 1 to the <i>Freedom of Information Act 1992</i> (WA), must be specified in this Attachment. Add additional rows as required.			
NOT FOR PUBLICATION IF GROUNDS FOR EXEMPTION ARE DETERMINED TO BE ACCEPTABLE			
Section of this form:		Grounds for claiming exemption:	
Section of this form:		Grounds for claiming exemption:	
Section of this form:		Grounds for claiming exemption:	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> Full Name			
Signature		Date	

Attachment 2 - Prescribed Premises Map



FPA Infrastructure Upgrade & Cockburn Cement Lease Area

1:6,504.8(at A4)

0 60 120 180 m

Map Projection: Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia
 Grid: Map Grid of Australia 1994 Zone 50



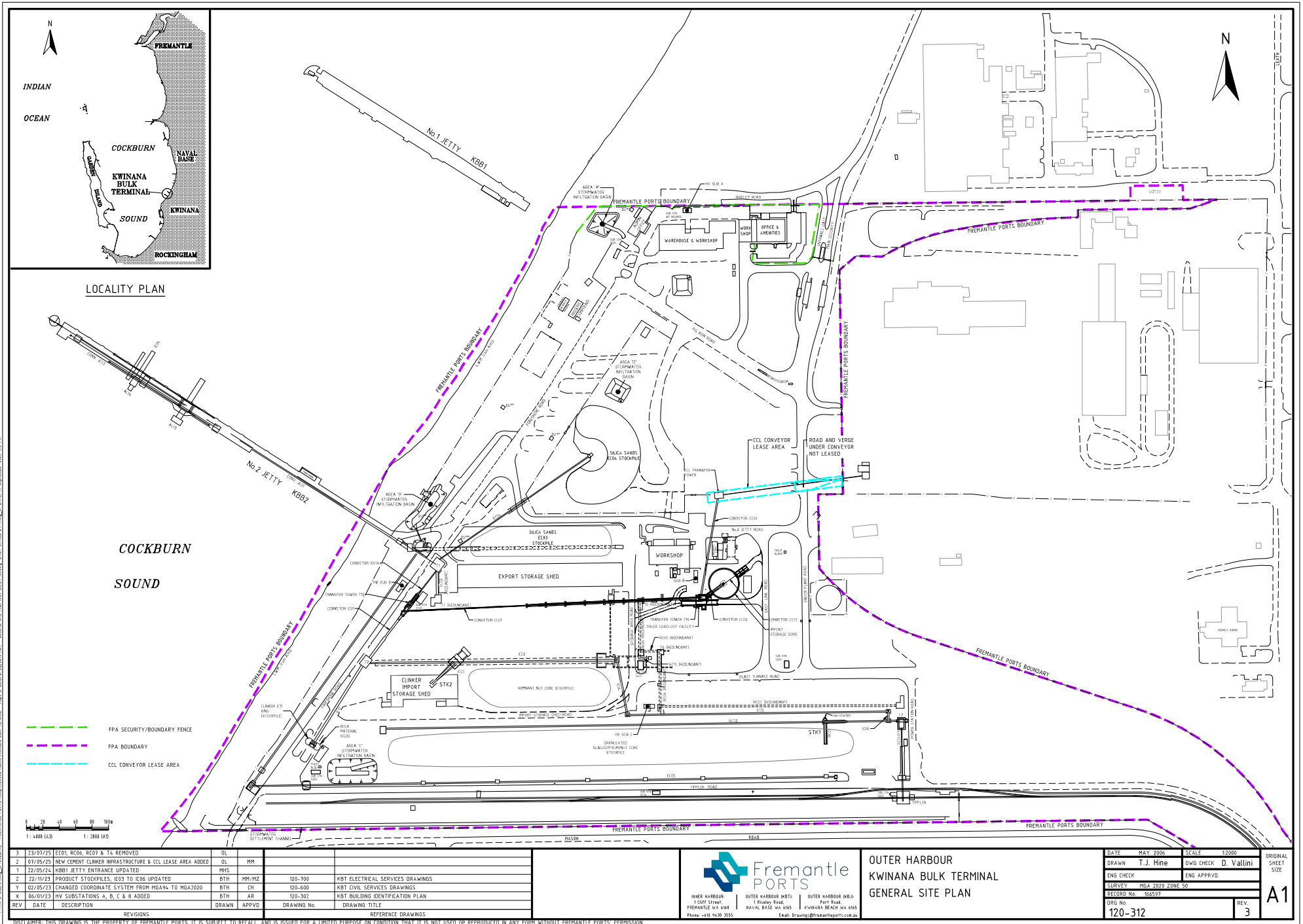
Legend

- Premise Boundary
- Cockburn Cement lease
- FPA Infrastructure Upgrade



© 2022, Whilst every care has been taken to prepare this map, Fremantle Ports Authorities make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and cannot accept liability and responsibility of any kind (whether in contract, tort or otherwise) for any expenses, losses, damages and/or costs (including indirect or consequential damage) which are or may be incurred by any party as a result of the map being inaccurate, incomplete or unsuitable in any way and for any reason. Ref: 20220323_001_RevD. Date: 07/07/2022

Attachment 2B- Kwinana Bulk Terminal Infrastructure Map



P:\25_Clients\2026_05\260626 - FREMANTLE PORTS\Kwinana Bulk Terminal - Final & General Arrangements.dwg - General Site Plan (Rev. 03) - Date: 03 September 2025 10:10 PM

Attachment 6A - Emissions and Discharges - Risk Assessment

TITLE OF RISK ASSESSMENT		PREMISES				LICENSEE	RISK ASSESSMENT DATE			
Proposed increase to annual tonnage limit of Granulated Slag, Gypsum and Coke (combined) from 550,000 to 750,000 tonnes		Kwinana Bulk Terminal				Fremantle Port Authority	21 April 2026			
ASSESSMENT TEAM		PRESCRIBED ACTIVITIES				LICENCE NUMBER	FPA RECORD NUMBER			
Paul Donovan (Senior Environmental Advisor)		Category 58 - Bulk material loading or unloading				L4476/1984/12	SAE.0492			
ID	Sources / Activities	Potential Emissions	Potential Receptors	Potential Pathway	Potential Adverse Impacts	Proponent Controls	Likelihood (with controls)	Consequence (with controls)	Risk Rating (with controls)	Acceptability (with controls)
1	Direct discharges to surface water (spills) whilst unloading Gypsum, Granulated Slag and Nut Coke from ships via AL05 unloader and J001 jetty conveyors	Discharge of Gypsum, Granulated Slag and Nut Coke to the marine environment	Cockburn Sound marine environment	Direct Discharge	Marine environment: Reduced water quality from increased sedimentation or toxicity resulting in declining ecosystem health	1) Site stormwater drainage network (no direct discharge to Cockburn sound). 2) Stormwater drainage network inspected by licensee personnel (Environmental Advisor) 3) Incident response procedure including recording, investigation and actioning of incidents. 4) Cockburn sound monitoring defined by Environmental Licence L4474/1976/14 - Annual monitoring of water quality, sediment and muscels for contaminants. 5) Material characterisation - physical and chemical properties of the cargo present a very low environmental risk to the marine environment.	Unlikely	Minor	Medium (5)	Acceptable, generally subject to regulatory controls. Risk event is tolerable and is likely to be subject to some regulatory controls. A preference for outcome-based conditions where practical and appropriate will be applied.
2	Spillage of product on ships deck (whilst unloading of Gypsum, Granulated Slag and Nut Coke) resulting in discharge to surface water	Discharge of Gypsum, Granulated Slag and Nut Coke to the marine environment	Cockburn Sound marine environment	Direct Discharge	Marine environment: Reduced water quality from increased sedimentation or toxicity resulting in declining ecosystem health	1) All spill cargo onto ships deck is to be cleaned utilising dry methods only (e.g. sweepers and brooms). 2) Operations shall be managed by experienced stevedore crews with regular inspections undertaken. 3) Inspected by licensee personnel (Environmental Advisor) during ship loading. 4) Incident response procedure including recording, investigation and actioning of incidents. 5) Cockburn sound monitoring defined by Environmental Licence L4474/1976/14 - Annual monitoring of water quality, sediment and muscels for contaminants. 6) CCTV. 7) Material characterisation - physical and chemical properties of the cargo present a very low environmental risk to the marine environment.	Unlikely	Minor	Medium (5)	Acceptable, generally subject to regulatory controls. Risk event is tolerable and is likely to be subject to some regulatory controls. A preference for outcome-based conditions where practical and appropriate will be applied.
3	Discharges to surface water via stormwater runoff from Gypsum, Granulated Slag and Nut Coke stockpiles	Discharge of stormwater contaminated with bulk granular materials to the marine environment	Cockburn Sound marine environment	Stormwater Discharge	Marine environment: Reduced water quality from increased sedimentation or toxicity resulting in declining ecosystem health	1) Stockpile drainage design and maintenance. 2) Site stormwater drainage network (no direct discharge to Cockburn sound). The receives stockyard (formerly known as the iron ore stockpile area) drains to Area C Stormwater Infiltration basin. 3) Stockpiles & stormwater drainage network inspected by licensee personnel (Environmental Advisor) 4) Incident response procedure including recording, investigation and actioning of incidents. 5) Cockburn sound monitoring defined by Environmental Licence L4474/1976/14 - Annual monitoring of water quality, sediment and muscels for contaminants. 6) Material characterisation - physical and chemical properties of the cargo present a very low environmental risk to the marine environment.	Rare	Minor	Low (2)	Acceptable, generally not controlled. Risk event is acceptable and will generally not be subject to regulatory controls.
4	Generation of dust from using front end loader to load trucks with Gypsum, Granulated Slag and Nut Coke for removal from site	Dust from Gypsum, Granulated Slag and Nut Coke during loading activities	Closest zoned residential premises is 3,130 meters to the south-west. Closest zoned industrial office building is 600 meters to the north-east.	Air/wind dispersion	Impacts to public health and amenity	1) Sweeper truck to remove dust, spill and accumulated material from all trafficable areas within the prescribed premise. 2) Water cart onsite and operational to wet all trafficable areas within the prescribed premises and stockpiles if required. 3) Long distance of operations from the nearest sensitive receptors. 4) Inspected by licensee personnel (Environmental Advisor). 5) FPA complaints management system. 6) Continuous TSP boundary dust monitoring network required by L4476/1984/12. 7) Real-time dust alarms on TSP boundary dust monitors. 8) KBT Dust Management Strategy including operational response to dust alarms. 9) Reportable event criteria of <260ug/m3 /day on licence. 10) Planned preventative maintenance of infrastructure and equipment. 11) Annual Dust Monitoring Report by L4476/1984/12.	Possible	Minor	Medium (9)	Acceptable, generally subject to regulatory controls. Risk event is tolerable and is likely to be subject to some regulatory controls. A preference for outcome-based conditions where practical and appropriate will be applied.
5	Generation of dust from unloading Gypsum, Granulated Slag and Nut Coke via AL05 ship unloader to J001, J001A, CC01, CC04, J001, J002, J004, J005, J006, RC02 and RC03 conveyors to stockpile	Dust associated with handling of Gypsum, Granulated Slag and Nut Coke during loading activities	Closest zoned residential premises is 3,130 meters to the south-west. Closest zoned industrial office building is 600 meters to the north-east.	Air/wind dispersion	Impacts to public health and amenity	1) AL05 hopper fitted with baffles and side wind guards. 2) Moisture content of product on arrival. 3) J001 jetty conveyor sprinklers utilised where required. 4) Sweeper truck to remove dust, spill and accumulated material from all trafficable areas within the prescribed premise. 5) Water cart onsite and operational to wet all trafficable areas within the prescribed premises 6) Long distance of operations from the nearest sensitive receptors. 7) Inspected by licensee personnel (Environmental Advisor). 8) FPA complaints management system. 9) TSP boundary dust monitoring network required by L4476/1984/12. 10) Real-time dust alarms on TSP boundary dust monitors. 11) KBT Dust Management Strategy including operational response to dust alarms. 12) Reportable event criteria of <260ug/m3 /day on licence. 13) Planned preventative maintenance of infrastructure and equipment. 14) Annual Dust Monitoring Report by L4476/1984/12.	Unlikely	Moderate	Medium (8)	Acceptable, generally subject to regulatory controls. Risk event is tolerable and is likely to be subject to some regulatory controls. A preference for outcome-based conditions where practical and appropriate will be applied.
6	Generation of dust at T1, T12, T14, and T2 transfer stations during operations	Particulate emissions	Closest zoned residential premises is 3,130 meters to the south-west. Closest zoned industrial office building is 600 meters to the north-east.	Air/wind dispersion	Impacts to public health and amenity	1) Transfer stations enclosed to contain dust on the conveyor belt transfer points. 2) Transfer station dust collectors must be on, operating and not full or blocked. 3) Operations inspected by Fremantle Ports personnel (Environmental Advisor). 4) Fremantle Ports incident, hazards and complaints management system. 5) Planned preventative maintenance and pre / post shipping inspections of infrastructure and equipment. 6) TSP boundary dust monitoring network & reporting. 7) Real-time dust alarms on TSP boundary dust monitors 8) KBT Dust Management Strategy including operational response to dust alarms procedure	Unlikely	Moderate	Medium (8)	Acceptable, generally subject to regulatory controls. Risk event is tolerable and is likely to be subject to some regulatory controls. A preference for outcome-based conditions where practical and appropriate will be applied.
7	Generation of noise from unloading Gypsum, Granulated Slag and Nut Coke via AL05 ship unloader to J001, J001A, CC01, CC04, J001, J002, J004, J005, J006, RC02 and RC03 conveyors to stockpile	Noise associated with loading activities	Closest zoned residential premises is 3,130 meters to the south-west. Closest zoned industrial office building is 600 meters to the north-east.	Air/wind dispersion	Impacts to public health and amenity	1) Long distance of operations from the nearest sensitive receptors. 2) FPA complaints management system. 3) OH&S and minesite noise limits and personnel noise monitoring program 4) AL05, import conveyors and FELs emit low level of noise.	Rare	Slight	Low (1)	Acceptable, generally not controlled. Risk event is acceptable and will generally not be subject to regulatory controls.
8	Generation of noise from using front end loader to load trucks with Gypsum, Granulated Slag and Nut Coke for removal from site	Noise associated with additional trucking movements	Closest zoned residential premises is 3,130 meters to the south-west. Closest zoned industrial office building is 600 meters to the north-east.	Air/wind dispersion	Impacts to public health and amenity	1) Long distance of operations from the nearest sensitive receptors. 2) FPA complaints management system. 3) OH&S and minesite noise limits and personnel noise monitoring program	Unlikely	Slight	Low (3)	Acceptable, generally not controlled. Risk event is acceptable and will generally not be subject to regulatory controls.



Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name GYPSUM (WA)
Synonyms BULK GYPSUM

1.2 Uses and uses advised against

Uses CONSTRUCTION MATERIAL • INDUSTRIAL APPLICATIONS
 Manufacture of cement, lime and plaster, Pigments, Fillers and paper

1.3 Details of the supplier of the product

Supplier name CEMENT AUSTRALIA PTY LIMITED (WA)
Address 32 Beard St, Naval Base, WA, 6155, AUSTRALIA
Telephone (08) 9334 4555

1.4 Emergency telephone numbers

Emergency [REDACTED]

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

2.2 GHS Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards

No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
GYPSUM	13397-24-5	603-783-2	>99%

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities Eye wash facilities should be available.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

PRODUCT NAME GYPSUM (WA)

4.3 Immediate medical attention and special treatment needed

Drinking glycerin, gelatin solutions, or large volumes of water may delay the hardening of this product in the stomach. Surgical relief of obstruction, particularly at the phlorus, may be required.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases (sulphur oxides) when heated to decomposition.

5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

Moisten with water to prevent a dust hazard and place in sealable containers for disposal.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are tightly sealed, adequately labelled and protected from physical damage.

7.3 Specific end uses

No information provided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Gypsum (Calcium sulphate)	SWA [AUS]	--	10	--	--

Biological limits

No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PRODUCT NAME GYPSUM (WA)

PPE

Eye / Face	Wear dust-proof goggles.
Hands	Wear PVC or rubber gloves.
Body	When using large quantities or where heavy contamination is likely, wear coveralls.
Respiratory	Where an inhalation risk exists, wear a Class P1 (particulate) / N95 respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	GREY SOLID
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	128°C to 163°C
Evaporation rate	NOT AVAILABLE
pH	7
Vapour density	NOT AVAILABLE
Relative density	NOT AVAILABLE
Solubility (water)	SOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

10. STABILITY AND REACTIVITY

10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Incompatible with aluminium (when heated), diazomethane, phosphorus (at high temperatures) and oxidising agents.

10.6 Hazardous decomposition products

May evolve toxic gases (sulphur oxides) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity This product is generally considered to be of low toxicity, however over exposure to dust should be avoided.

PRODUCT NAME GYPSUM (WA)

Skin	Contact may result in irritation, redness, pain and rash.
Eye	Contact may result in irritation, lacrimation, pain and redness.
Sensitisation	Not classified as causing skin or respiratory sensitisation.
Mutagenicity	Not classified as a mutagen.
Carcinogenicity	Not classified as a carcinogen.
Reproductive	Not classified as a reproductive toxin.
STOT - single exposure	Over exposure may result in irritation of the nose and throat, with coughing.
STOT - repeated exposure	Not classified as causing organ damage from repeated exposure.
Aspiration	Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Low toxicity to aquatic organisms.

12.2 Persistence and degradability

Not applicable for inorganic substances.

12.3 Bioaccumulative potential

Does not bioaccumulate.

12.4 Mobility in soil

Moderate mobility.

12.5 Other adverse effects

The main component/s of this product are not anticipated to cause any adverse effects to plants or animals.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal Reuse where possible. No special precautions are normally required when handling this product.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None allocated.	None allocated.	None allocated.
14.2 Proper Shipping Name	None allocated.	None allocated.	None allocated.
14.3 Transport hazard class	None allocated.	None allocated.	None allocated.
14.4 Packing Group	None allocated.	None allocated.	None allocated.

14.5 Environmental hazards

No information provided.

14.6 Special precautions for user

Hazchem code None allocated.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

PRODUCT NAME GYPSUM (WA)

Classifications	Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).
Inventory listings	AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals) All components are listed on AIIC, or are exempt.

16. OTHER INFORMATION

Additional information **EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
	GHS	Globally Harmonized System
	GTEPG	Group Text Emergency Procedure Guide
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m ³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

PRODUCT NAME GYPSUM (WA)

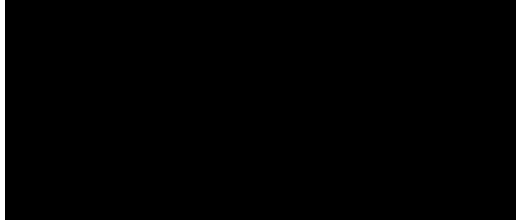
Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

Prepared by



[End of SDS]

SAFETY DATA SHEET

Granulated Blast Furnace Slag

Section 1: Identification of the Material and Supplier

Company Details

Cement Australia Pty Limited

ABN 75 104 053 474

18 Station Avenue
Darra, Queensland 4076**Tel:** 1300 CEMENT (1300 236 368)**Fax:** 1800 CEMENT (1800 236 368)**Website:** www.cementaustralia.com.au

Emergency Contact Number:

Contact Person: Technical ManagerTelephone: 1300 CEMENT (1300 236 368 - Business Hours) or
Poisons Information Centre 13 11 26

Manufacturing Plants

Brisbane 77 Pamela Street, Pinkenba QLD 4008**Port Kembla** Off Christy Rd, Port Kembla, NSW 2505

Product

Name: Ground Granulated Blast Furnace Slag**Other Names:** Slag, Granulate, GBFS**Use:** Granulated Blast Furnace Slag is used as an aggregate material in construction and as a raw material for Ground Granulated Blast Furnace Slag (GGBFS), a supplementary cementitious material used in concrete

Section 2: Hazards Identification

GHS CLASSIFICATION

Classified as Hazardous according to the Safe Work Australia guidelines for Globally Harmonised System of Classification and Labelling of Chemicals (GHS).**Not classified as Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Prevention statement(s)

P261 Avoid breathing dust.**P280** Wear protective gloves/protective clothing/eye protection/face protection against Dust.For more information call **1300 CEMENT** (1300 236 368)
or visit www.cementaustralia.com.au*Mix it with the best.*

Response statement(s)

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	
P321	Call a POISON CENTER or doctor/physician if you feel unwell.
P332 + P337 + P313	Specific treatment is advised - see first aid instructions.
P362	If skin or eye irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before re-use.

Storage statement(s)

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal statement(s)

P501	Dispose of contents/container in accordance with relevant regulations.
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2.3 Other hazards

No information provided.

Section 3: Composition/Information on Ingredients

GGBFS derives from a by-product of the steel industry produced by adding limestone flux to the ore to remove non-ferrous contaminants. This raw product is then milled to a fine powder form for its intended use. All significant constituents are listed below:

Chemical Entity	Proportion	CAS Number
Granulated Blast Furnace Slag	>90%	65996-69-2

Section 4: First Aid Measures

4.1 Description of first aid measures

Eyes:	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation:	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion:	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
First Aid Facilities:	Eye wash facilities and safety shower should be available.

4.2 Most important symptoms and effects, both acute and delayed.

Irritating to the eyes, skin and respiratory system. Chronic over exposure to silica quartz dust may result in silicosis (lung disease). Principal symptoms of silicosis are coughing and breathlessness. Some individuals may exhibit an

allergic response upon exposure to this product, possibly due to the trace amounts of chromium present. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).

4.3 Immediate medical attention and special treatment needed.

Treat as for moderate to strong alkali and symptomatically.

Section 5: Fire Fighting Measures

Fire/Explosion Hazard:	None
Hazchem Code:	None allocated
Flammability:	Not flammable
Extinguishing Media:	None required
Hazards from Combustion Products:	None
Special Protective Precautions and equipment for fire fighters:	None required

Section 6: Accidental Release Measures

Spills:	Spills are best cleaned up by vacuum device to avoid generating airborne dust. Recommendations on Exposure Control and Personal Protection should be followed during spill clean-up. Keep product out of storm water and sewer drains.
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Section 7: Handling and Storage

Handling:	When supplied in bags, to be handled in accordance with Hazardous Manual Tasks Code of Practice.
Storage:	Protect from excessive moisture and heat to prevent hardening. Storage of GGBFS may be in silos or steel bins.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters

Exposure standards

No exposure standards have been entered for this product.

Biological limits

No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PPE

Eyes / Face:	Wear safety glasses or dust-proof goggles when handling material to avoid contact with eyes.
Body/Skin:	Wear long sleeved shirt and full-length trousers.

- Hands:** Wear PVC, rubber, or cotton gloves when handling material to prevent skin contact.
- Respiratory:** Where an inhalation risk exists wear a Class P1 (Particulate) respirator, dependent on a site-specific risk assessment.
-

Section 9: Physical and Chemical Properties

Appearance (dry):	A granular product ranging in colour from grey to off-white
Odour:	No distinctive odour
Boiling/Melting Point:	Melting point >1200°C
Vapour Pressure:	Not applicable
Specific Gravity:	3.0 – 3.2
Flash Point:	Non applicable
Flammability Limits:	Not applicable
Solubility in Water:	Slight, reacts on mixing with water forming an alkaline (caustic) solution (pH >10)
Particle Size:	Some small proportion of the fresh dry material may be respirable (below 10 microns)

Section 10: Stability and Reactivity

Chemical Stability:	Chemically stable
Conditions to Avoid:	Keep free of moisture
Incompatible Materials:	None
Hazardous Decomposition Products:	None
Hazardous Reactions:	None

Section 11: Toxicological Information

Granulated Slag is a stable substance, compatible with most other building materials, will not decompose into hazardous by-products and do not polymerise.

Acute toxicity	No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
Skin	Irritating to the skin. Contact with powder or wetted form may result in irritation, rash and dermatitis.
Eye	Irritating to the eyes. Contact may result in irritation, lacrimation, pain, redness, corneal burns and possible permanent damage.
Sensitization	This product is not classified as a skin or respiratory sensitiser.
Mutagenicity	Insufficient data available to classify as a mutagen.
Reproductive STOT – single exposure	Insufficient data available to classify as a reproductive toxin. Irritating to the respiratory system. Over exposure may result in irritation of the nose and throat, with coughing. High level exposure may result in breathing difficulties.
Aspiration	This product is a solid and aspiration hazards are not expected to occur.

Section 12: Ecological Information

Ecotoxicity:	Product forms an alkaline slurry when mixed with water.
Persistence and Degradability:	Product is persistent and would have a low degradability.

Mobility:

A low mobility would be expected in a landfill situation.

Section 13: Disposal Considerations

GBFS can be treated as a common waste for disposal or dumped into a landfill site, in accordance with local authority guidelines.

Keep material out of storm water and sewer drains.

Measures should be taken to prevent dust generation during disposal, and exposure and personal precautions should be observed (see above)

Section 14: Transport Information

Transportation is done in bulk or bag form by Ship, Rail and Road.

UN Number:	None allocated
Proper Shipping Name:	None allocated
Class and Subsidiary Risk:	None allocated
Packing Group:	None allocated
Special precautions for user:	Avoid generating and breathing dust
Hazchem Code:	None allocated

Section 15: Regulatory Information

GBFS is not classified as Dangerous Goods.

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt

Section 16: Other Information

For further information on this product contact: **Telephone:** 1300 CEMENT (1300 236 368) (Business Hours)
Facsimile: 1800 CEMENT (1800 236 368)

Previous Edition and edits made:

2020 – Format updates

2022/2023 – Format updates

Next Review Date for this MSDS: 31 December 2026.

Australian and New Zealand Standards:

AS 2161: Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).

AS/NZ 1336: Recommended Practices for Occupational Eye Protection.

AS/NZS 1715: Selection, use and maintenance of respiratory protective devices.

AS/NZS 1716: Respiratory protective devices.

AS/NZS 4501: Occupational protective clothing.

Advice Note:

Cement Australia believes the information in this document to be accurate as at the date of preparation, but, to the maximum extent permitted by law, Cement Australia accepts no responsibility for any loss or damage caused by any person acting or refraining from action because of this information.

The provision of this information should not be construed by anyone as a recommendation to use this product. No one should use any product in violation of any patent or other intellectual proprietary rights or in breach of any statute or regulation.

Users should rely on their own knowledge and inquiries and make their own determination as to the applicability of this information in relation to their particular purposes and specific circumstances. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products.

[SDS Ends]

SAFETY DATA SHEET

COKE

Infosafe No.: 5BW4D
ISSUED Date : 16/09/2021
ISSUED by: OneSteel Manufacturing Pty Ltd
- OneSteel Whyalla

Section 1 - Identification

Product Identifier

COKE

Company Name

OneSteel Manufacturing Pty Ltd - OneSteel Whyalla (ABN 42 004 651 325)

Address

Port Augusta Road
P.O Box 21 Whyalla
South Australia AUSTRALIA

Telephone/Fax Number

Tel: +61 8 8640 4192
Fax: 08 8640 4762

Emergency Phone Number

+61 8 8640 4000

Recommended use of the chemical and restrictions on use

Industrial use

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Carbon	7440-44-0	79-87 %
Silica crystalline - quartz	14808-60-7	0-<2.5 %
Ingredients determined not to be hazardous		Balance

Information on Composition

Some volatile materials generated in the production of coke may be retained in the material however only trace levels are expected.

This product contains less than 2.5% Crystalline silica, but not in a form which is respirable.

Section 4 - First Aid Measures

Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities

Eyewash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media

Use water spray or foam.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Specific hazards arising from the chemical

Combustible solid; will readily burn under fire conditions. The finely divided dust, in sufficient quantity, may form flammable/explosive mixtures with air. Dust clouds may present an explosion hazard in the presence of an ignition source.

Moderate fire hazard when exposed to heat or flame. Moderate dust explosion hazard, when exposed to flame. Reacts violently with oxidising agents.

Decomposition Temperature

Not available

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Emergency Procedures

Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe dust. Wear respiratory protection and full protective clothing to minimise exposure. Sweep up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling

Avoid inhalation of dust, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene i.e. by washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Take precautions against static electricity discharges. Use proper grounding procedures. Store away from incompatible materials such as materials that support combustion (oxidising materials). Store in suitable, labelled containers. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Ensure that storage conditions comply with applicable local and national regulations. For information on the handling of Combustible dusts and grounding procedure reference should be made to Australian Standard AS/NZS 4745 - 'Code of Practice for Handling Combustible Dusts'.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Coal dust (containing < 5% quartz) (respirable dust)

TWA: 3 mg/m³

Quartz (respirable dust)

TWA: 0.05 mg/m³

Notice: Carc.1A

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Carc.1A: Known to have carcinogenic potential for humans.

Source: Safe Work Australia

Biological Monitoring

No biological limits allocated.

Control Banding

Not available

Engineering Controls

Use with good general ventilation. A flameproof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of particulates below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/mist/fume filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye and Face Protection

Safety glasses with side shields, full face shield or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material such as PVC, neoprene or nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Thermal Hazards

No further relevant information available.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Solid - Granules	Appearance	Porous granular solid.
Colour	Black	Odour	Characteristic
Melting Point	>3,000°C	Boiling Point	Not available
Decomposition Temperature	Not available	Solubility in Water	Insoluble
Specific Gravity	1.8 - 2.1	pH	Not available
Vapour Pressure	Not available	Relative Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Volatile Component	0%
Partition Coefficient: n-octanol/water (log value)	Not available	Density	Not available
Flash Point	Not available	Flammability	Combustible solid
Auto-Ignition Temperature	Not available	Explosion Limit - Upper	Not available
Explosion Limit - Lower	Not available		

Section 10 - Stability and Reactivity

Chemical Stability

Stable under normal conditions of storage and handling.

Possibility of hazardous reactions

Reacts vigorously with oxidising agents.

Conditions to Avoid

Dust accumulation, heat and other sources of ignition.

Incompatible Materials

Strong oxidising agents.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon dioxide and carbon monoxide.

Reactivity and Stability

Refer to Sec 10: Possibility of hazardous reactions.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Toxicology Information

No toxicity data available for this material.

Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation

Inhalation of dusts may irritate the respiratory system. Chronic exposure to this material may aggravate existing respiratory disorders and lung disorders such as bronchitis, emphysema and asthma. Onset and progression are related to dust concentrations and duration of exposure.

Skin

Skin contact may cause mechanical irritation resulting in redness and itching.

Eye

Eye contact may cause mechanical irritation. May result in mild abrasion.

Respiratory Sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ Cell Mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Not considered to be a carcinogenic hazard.

This product contains crystalline silica. Crystalline Silica (respirable size $\leq 18 \mu\text{m}$) has been classified by the International Agency for Research on Cancer (IARC) as Carcinogenic to Humans (Group 1).

Reproductive Toxicity

Not considered to be toxic to reproduction.

STOT - Single Exposure

Not expected to cause toxicity to a specific target organ.

STOT - Repeated Exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

Section 12 - Ecological Information

Ecotoxicity

No ecological data available for this material.

Persistence and degradability

Not available

Mobility

Not available

Bioaccumulative Potential

Not available

Other Adverse Effects

Not available

Environmental Protection

Prevent this material entering waterways, drains and sewers.

Hazardous to the Ozone Layer

This product is not expected to deplete the ozone layer.

Section 13 - Disposal Considerations

Disposal Considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. To minimise personal exposure to the chemical, refer to Section 8—Exposure controls and personal protection.

Section 14 - Transport Information

Transport Information

Road and Rail Transport

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

ADG U.N. Number

None Allocated

ADG Proper Shipping Name

None Allocated

ADG Transport Hazard Class

None Allocated

Special Precautions for User

Not available

IMDG Marine pollutant

No

Transport in Bulk

Not available

Section 15 - Regulatory Information

Regulatory Information

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

Not Scheduled

Montreal Protocol

Not listed

Stockholm Convention

Not listed

Rotterdam Convention

Not listed

International Convention for the Prevention of Pollution from Ships (MARPOL)

Not available

Agricultural and Veterinary Chemicals Act 1994

Not available

Basel Convention

Not available

Section 16 - Any Other Relevant Information

Date of Preparation

SDS reviewed: September 2021 Supersedes: May 2015

Version Number

2.0

Literature References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Code of Practice for Supply Diversion into Illicit Drug Manufacture.
National Code of Practice for Chemicals of Security Concern.
Agricultural Compounds and Veterinary Chemicals Act.
International Agency for Research on Cancer (IARC) Monographs.
Montreal Protocol on Substances that Deplete the Ozone Layer.
Stockholm Convention on Persistent Organic Pollutants (POPs).
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.
International Air Transport Association (IATA) Dangerous Goods Regulations.
International Maritime Dangerous Goods (IMDG) Code.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of Classification and Labelling of Chemicals.
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

Contact Person/Point

Australian Poisons Information Centre 24 hour service 13 11 26.
Emergency Contact: +61 08 86 404000 (All Hours)
Emergency Services Information: +61 08 86 404192 (All Hours)
Environmental Assurance Department: + 61 08 86 404450 (Office Hours)

Technical Contact Numbers

Coke Ovens Shift Team Leader Contact: 86404540 (All Hours)

END OF SDS

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Attachment 10 - Licence Amendment Fee Calculation

The fee prescribed for an application for an amendment to a works approval or licence is calculated in accordance with regulation 5BB(1)(a) 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.

Regulation 5BB(a): ‘...the fee prescribed for an application for an amendment to a works approval or licence is based on a unit value of \$13.60 per unit...’

Schedule 4 Part 1:

