



## Application for Works Approval Amendment

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

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<b>Works Approval Number</b>	W6380/2020/1
<b>Works Approval Holder</b>	City of Cockburn
<b>File Number</b>	DER2019/000674~1
<b>Premises</b>	Cockburn Community Recycling Centre Dalison Avenue WATTLEUP WA 6166  Legal description – Lot 235 on Deposited Plan 226117 and Lot 2 on Plan D107998  As defined by the Premises maps attached to the issued works approval
<b>Date of Report</b>	20 April 2023
<b>Decision</b>	Revised works approval granted

**SENIOR INDUSTRY REGULATION OFFICER  
REGULATORY SERVICES**

*Officer delegated under section 20  
of the Environmental Protection Act 1986*

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## 1. Decision summary

Works Approval W6380/2020/1 is held by City of Cockburn (Works Approval Holder) for the Cockburn Community Recycling Centre (the Premises), located at Dalison Avenue, Wattleup WA 6166.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the construction and operation of the Premises. As a result of this assessment, Revised Works Approval W6380/2020/1 has been granted.

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

## 2. Scope of assessment

### 2.1 Regulatory framework

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

### 2.2 Amendment summary

On 8 March 2023, the Works Approval Holder submitted an application to the department to amend Works Approval W6380/2020/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- to include Category 12: Screening etc. of material to the licence to allow for the temporary operation of crushing and screening; and
- re-orientation of the proposed buildings, roads and services by 90 degrees.

This amendment is limited only to the addition of Category 12 to the Licence. No changes to the aspects of the existing Licence relating to Category 62 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Works Approval

**Table 1: Proposed design or throughput capacity changes**

Category	Current throughput capacity	Proposed design capacity	Description of proposed amendment
12	N/A	80,000 tonnes per year	Addition of Category 12 activities to the works approval
62	50,000 tonnes per year	N/A	N/A

### 3. Risk assessment

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

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

#### 3.1 Source-pathways and receptors

##### 3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises construction which have been considered in this Amendment Report are detailed in

Table 2 below.

Table 2 also details the proposed control measures the Works Approval Holder has proposed to assist in controlling these emissions, where necessary.

**Table 2: Works Approval Holder controls**

Emission	Sources	Potential pathways	Proposed controls
Dust	Crushing of material, vehicle movements, dust lift-off from stockpiles and/or stored product, additional earthworks etc.	Air/windborne pathway	<p>Utilization of the landfill exterior fencing as wind protection barrier;</p> <p>Use of water cart throughout the duration of site works;</p> <p>Programming work so that large sections of bare areas are not exposed at any one time, where possible;</p> <p>Limiting traffic to haul roads/definition of trafficable areas;</p> <p>Use of street sweepers (when material on road is dry) to keep public and site hard stand roads free of dirt;</p> <p>Covering trucks if dust generation from the load is a problem;</p> <p>Maintaining machinery in accordance with manufacturers specifications so that emissions will comply with regulations;</p> <p>Ensure smooth surface areas are ripped or left rough to lower wind velocity at soil surface.</p> <p>Vehicles restricted to a maximum speed of 10 km/hr;</p> <p>Works shall not be carried out where the wind is in excess of 25 knots; and</p> <p>Should dust visibly cross the site boundary, dust suppression measures shall be increased immediately and works shall be modified accordingly</p>

Emission	Sources	Potential pathways	Proposed controls
Noise	Crushing and screening of material	Air/windborne pathway	<p>All trucks and mobile equipment to be fitted with broadband noise reversing alarms to minimise the impact of vehicle reversing noise;</p> <p>Vehicles will be restricted to a maximum speed of 10km per hour unless otherwise signed;</p> <p>Noise reducing workplace procedures will be adopted such as slow unloading of materials from the lowest height possible;</p> <p>All materials handling will be confined to the designated areas;</p> <p>All equipment and machinery will be maintained in good working condition; and</p> <p>Crusher/screener only to be operated between “day-time” hours (7am to 7pm, Mon – Sat);</p> <p>Crusher/screener to be positioned on the floor of the existing quarry and surrounded on all sides by 10 to 30m high embankments; and</p> <p>Noise level monitoring on the boundaries to ensure compliance.</p>

### 3.1.2 Noise emissions

Noise regulation 13 of the *Environmental Protection (Noise) Regulations 1997* makes provision for construction work to be carried out on a construction site without meeting the prescribed standards in noise regulation 7 subject to requirements specified by noise regulation 13. Regulation 7 does not apply to noise emitted from the premises construction site (shown in Figure 1 and 2) on the condition that the requirements of regulation 13 are met.

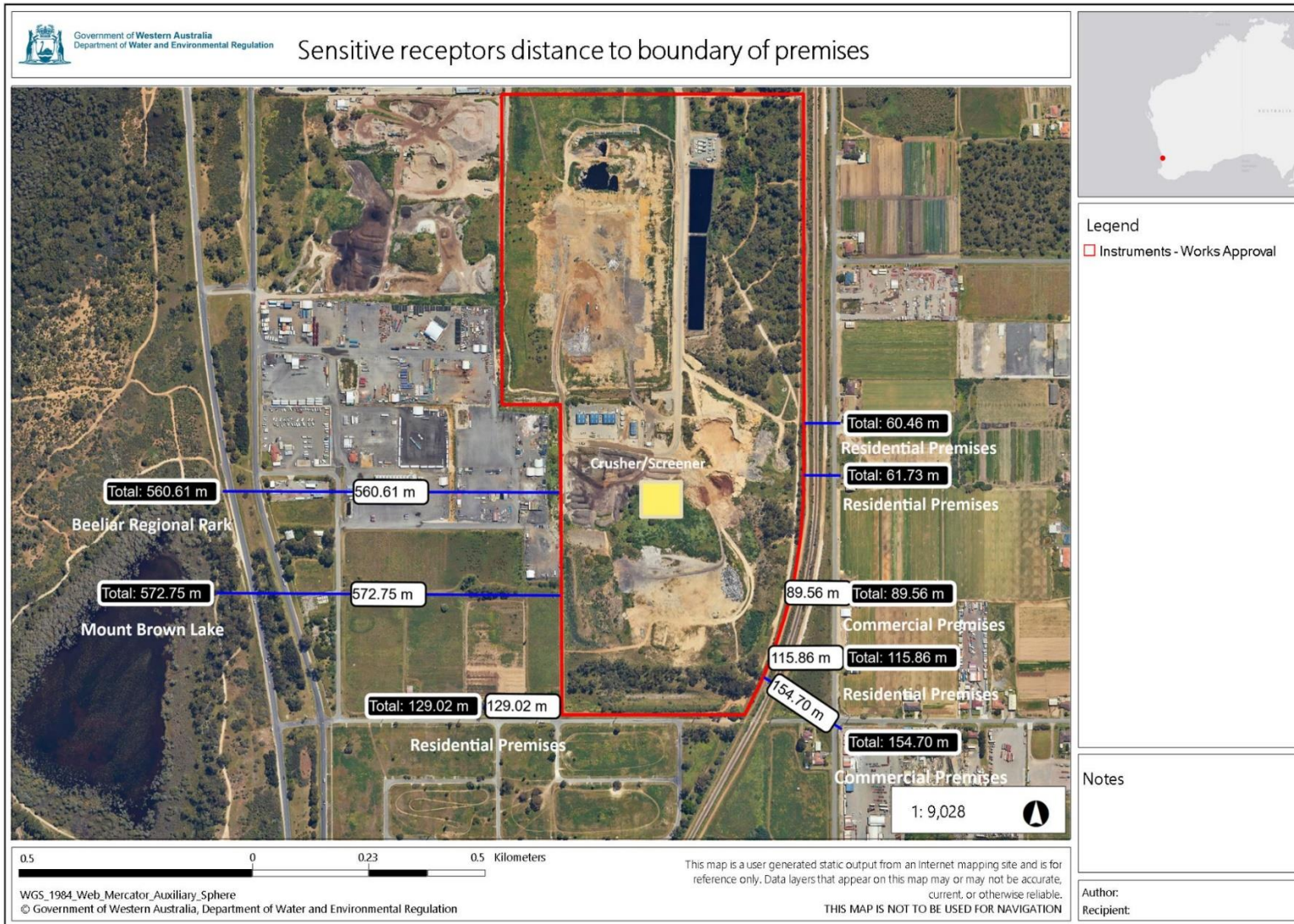
### 3.1.3 Receptors

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

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

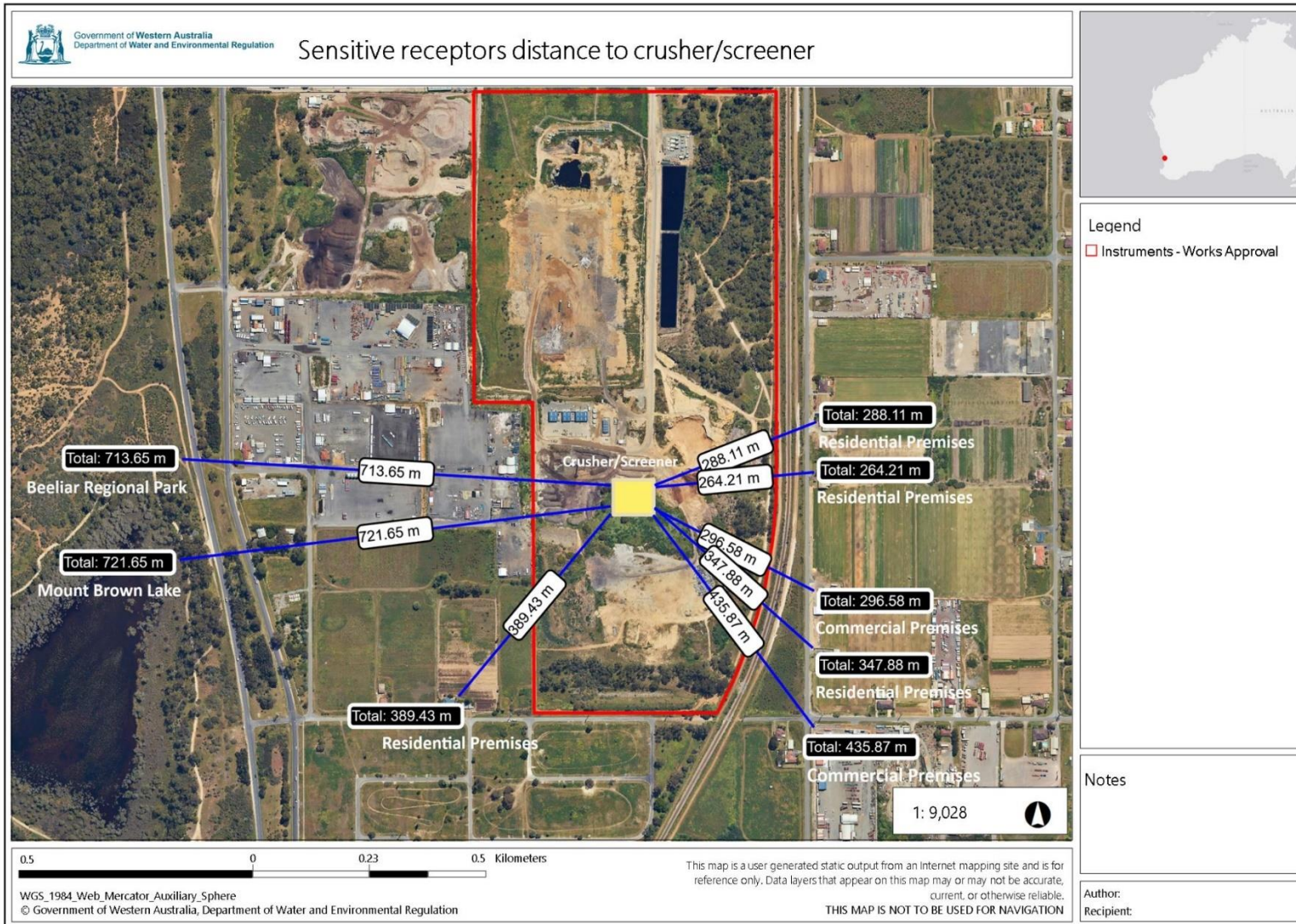
**Table 3: Sensitive human and environmental receptors and distance from prescribed activity**

<b>Human receptors</b>	<b>Distance from prescribed activity</b>
Residential Premises	Closest 60m west from premises boundary and 264m from crusher/screener location  Other residential range from 61–129m from the boundary and 288-435m from the crusher location.
Commercial Premises	Closest 89m west from premises boundary and 296m from the crusher/screener location.  Other commercial premises is 154m south-east of premises boundary and 435m from crusher/screener location.
<b>Environmental receptors</b>	<b>Distance from prescribed activity</b>
Regional Park – Beelihar Regional Park	560m west of premises boundary and 713m from crusher/screener location.
Surface Water - Mount Brown Lake	572m west of premises boundary and 721m from crusher/screener location.



**Figure 1: Sensitive receptors distance to boundary of premises**

Works Approval: W6380/2020/1



**Figure 2: Sensitive receptors distance to crusher/screener**

Works Approval: W6380/2020/1

IR-T15 Amendment report template v3.0 (May 2021)



## 3.2 Risk ratings

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

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

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

The Revised Works Approval W6380/2020/1 that accompanies this Amendment Report authorises construction only. The conditions in the Revised Works Approval have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required to authorise emissions associated with the operation of the Premises. A risk assessment for the operational phase has been included in this Amendment Report, however licence conditions will not be finalised until the department assesses the licence application.

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

Risk Event					Risk rating <sup>1</sup> C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
<b>Operation</b>								
Screening, crushing, unloading, loading and storage of material Vehicle movements	Dust	Air/windborne pathway causing impacts to health and amenity	Residential premises (60m west from premises boundary and 264m from crusher/screener location) Commercial premises (Closest 89m west from premises boundary and 296m from the crusher/screener location) Beeliar Regional Park (560m west of premises boundary and 713m from crusher/screener location) Mount Brown Lake (572m west of premises boundary and 721m from crusher/screener location.)	Refer to Section 3.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Y	Condition 1, 2, 3	N/A

Risk Event					Risk rating <sup>1</sup> C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
	Noise	Air/windborne pathway causing impacts to health and amenity	Residential premises (60m west from premises boundary and 264m from crusher/screener location) Commercial premises (Closest 89m west from premises boundary and 296m from the crusher/screener location)	Refer to Section 3.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Y	Condition 1, 4, 5, 7 <b><u>Condition 6</u></b>	Additional requirement included for works approval holder to notify the department of commencement and cessation of crushing/screening activities.

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

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

## 4. Consultation

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

**Table 5: Consultation**

Consultation method	Comments received	Department response
14 April 2023 - Applicant was emailed copy of amended works approval and decision report	14 April 2023 - Applicant waived the comment period and requested the amended works approval to be issued.	N/A

## 5. Conclusion

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

### 5.1 Summary of amendments

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

**Table 6: Summary of works approval amendments**

Condition no.	Proposed amendments
Cover Page	Inclusion of Category 12: Screening etc. of material to the licence.
Licence history	Amendment to include Category 12 Screening etc. of material throughput capacity of 80,000 tonnes per year, and advise of re-orientation of the proposed buildings, roads and services by 90 degrees.
Condition 1 Table 1	Inclusion of mobile crushing and screening plant, to site infrastructure and equipment table, also operational requirements, and infrastructure location.
2 and 3	Inclusion of dust management controls
4, 5, 6 and 7	Inclusion of noise management controls
Schedule 1 Figure 1	Replaced with an updated image
Schedule 1 Figure 2	Updated with a new premises layout to capture the re-orientation of the proposed buildings, roads and services by 90 degrees.
Figure 5	New figure to capture the crusher/screener location

## References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.
4. Standards Australia 2010, Australian Standard AS 2436:2010 (R2016): *Guide to Noise and Vibration Control on Construction, Maintenance and Demolition Sites*, Sydney, New South Wales

## Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY					
Application type					
<del>Works approval</del>	<input type="checkbox"/>				
<del>Licence</del>	<input type="checkbox"/>	<del>Relevant works approval number:</del>		<del>None</del>	<input type="checkbox"/>
		<del>Has the works approval been complied with?</del>	<del>Yes <input type="checkbox"/> No <input type="checkbox"/></del>		
		<del>Has time limited operations under the works approval demonstrated acceptable operations?</del>	<del>Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></del>		
		<del>Environmental Compliance Report / Critical Containment Infrastructure Report submitted?</del>	<del>Yes <input type="checkbox"/> No <input type="checkbox"/></del>		
		<del>Date Report received:</del>			
<del>Renewal</del>	<input type="checkbox"/>	<del>Current licence number:</del>			
Amendment to works approval	<input checked="" type="checkbox"/>	Current works approval number:	W6380/2020/1		
Amendment to licence	<input type="checkbox"/>	<del>Current licence number:</del>			
		<del>Relevant works approval number:</del>		<del>N/A</del>	<input type="checkbox"/>
<del>Registration</del>	<input type="checkbox"/>	<del>Current works approval number:</del>		<del>None</del>	<input type="checkbox"/>
Date application received		8 March 2023			
Applicant and Premises details					
Applicant name/s (full legal name/s)		City of Cockburn			
Premises name		Cockburn Resource Recovery Precinct			
Premises location		Lot 235 Dalison Avenue, Wattleup WA 6166			
Local Government Authority		City of Cockburn			
Application documents					
HPCM file reference number:		DER2019/000674~1			
Key application documents (additional to application form):		Aerial site plan Dust and Noise Management Plan Crusher Location Environmental Assessment and Management Plan Certificate of Title			

	Dust Management Plan Special Conditions of Contract Sensitive Receptors map Labelled explanation Re-orientation and Revised Concept Layout map	
<b>Scope of application/assessment</b>		
Summary of proposed activities or changes to existing operations.	Re-orientation of the proposed buildings, roads and services by 90 degrees.  To allow for the crushing and screening of limestone material.	
<b>Category number/s (activities that cause the premises to become prescribed premises)</b>		
<b>Table 1: Prescribed premises categories</b>		
<b>Prescribed premises category and description</b>	<b>Proposed / Assessed production or design capacity</b>	<b>Proposed changes to the production or design capacity (amendments only)</b>
Category 62: Solid waste depot: premises on which waste is stored or sorted, pending final disposal or re-use, other than in the course of operating —  (a) a refund point (as defined in the Waste Avoidance and Resource Recovery Act 2007 section 47C(1)) (a refund point); or  (b) a facility or other place (an aggregation point) for the aggregation of containers that have been returned to refund points until those containers are accepted for processing or disposal.	50,000 tonnes per annual period	N/A
Category 12: Screening etc. of material: premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	N/A	80,000 tonnes per annual period
<b>Legislative context and other approvals</b>		
Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/>

significant proposal?		Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input checked="" type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:
Has the applicant obtained all relevant planning approvals?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Approval: Expiry date: If N/A explain why?
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CPS No: 8840-1
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: Licence/permit No: Licence / permit not required.
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Regional office: Swan Avon / Mid-West Gascoyne / Kwinana Peel / North West / South West / Goldfields / South Coast



<p>Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Name: N/A  Priority: P1 / P2 / P3 / N/A  Are the proposed activities/landuse compatible with the PDWSA (refer to <u>WQPN 25</u>)?  Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></p>
<p>Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>If Yes include details here.</p>
<p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>If Yes include details of which EPP(s) here.  Environmental Protection (Kwinana) (Atmospheric Wastes) Policy Approval Order 1999</p>
<p>Is the Premises subject to any EPP requirements?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p>If Yes, include details here  Site is subject to SO<sub>2</sub> requirements of Kwinana EPP.</p>
<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>If Yes include details here.  Classification: N/A / possibly contaminated – investigation required (PC-IR) / not contaminated – unrestricted use (NC-UU) / contaminated – restricted use (C-RU) / remediated for restricted use (RRU) / contaminated – remediation required (C-RR) / decontaminated (Decon)  Date of classification: N/A</p>