



## Application for Licence Amendment

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

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<b>Licence Number</b>	L9183/2018/2
<b>Licence Holder</b>	Meteor Stone Pty Ltd
<b>ACN</b>	623 253 770
<b>File Number</b>	DER2018/001603
<b>Premises</b>	Meteor Stone Wesco Road 86 Wesco Road NOWERGUP WA 6032  Legal description - Lot 6 on Diagram 34734 NOWERGUP WA 6032 As defined by the coordinates in Schedule 1 of the Revised Licence
<b>Date of Report</b>	15/08/2023
<b>Decision</b>	Revised licence granted

**A/MANAGER, RESOURCE INDUSTRIES  
REGULATORY SERVICES**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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# 1. Decision summary

Licence L9183/2018/2 is held by Meteor Stone Pty Ltd (Licence Holder) for the Meteor Stone Wesco Road (the Premises), located at 86 Wesco Road NOWERGUP WA 6032.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L9183/2018/2 has been granted.

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

## 2. Scope of assessment

### 2.1 Regulatory framework

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

### 2.2 Application summary

On 30 March 2023 the Licence Holder submitted an application to the department to amend L9183/2018/2 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Increase maximum throughput capacity for category 12 and 77 from 100,000 tonnes per annum to 150,000 tonnes per annum

The amendment does not include any change to existing equipment or infrastructure on the premises. The extraction footprint and depth of extraction pit are likewise to be unchanged. To produce the 150,000 tonnes, the production time will increase from about 10 hours per week to about 15 hours per week.

Table 1 below outlines the proposed changes to the existing Licence

**Table 1: Proposed throughput capacity changes**

Category	Current throughput capacity	Proposed throughput capacity
12	100,000 tonnes per annum	150,000 tonnes per annum
77	100,000 tonnes per annum	150,000 tonnes per annum

## 3. Legislative context and other approvals

The limestone extraction activity onsite is regulated by the City of Wanneroo through an Extractive Industries Licence (Number: DA2014/1733) under the *Planning and Development Act 2005* which is valid until 21 November 2024. The Applicant also has Development Approval for the current activities which is also valid until 21 November 2024.

## 4. 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.

### 4.1 Source-pathways and receptors

#### 4.1.1 Emissions and controls

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

**Table 2: Licence Holder controls**

Emission	Sources	Potential pathways	Proposed controls
Dust	Crushing of material, vehicle movements, lift-off from stockpiles and/or stored product, earthworks etc.	Air/windborne pathway	<p>The Licence Holder stated “there will be no increase in noise or dust emissions or risk.” No new controls proposed.</p> <p><u>Existing controls in L9183/2018/2:</u></p> <p>Condition 4 - <i>The Licence Holder must ensure that all vehicles on the Premises:</i></p> <ul style="list-style-type: none"> <li>(i) <i>comply with the maximum speed limit of 15km per hour; and</i></li> <li>(ii) <i>are driven in a manner that minimises the use of airbrakes when entering or exiting the access road on Lot 7</i></li> </ul> <p>Condition 6 – <i>The Licence Holder must ensure that all loading of material on the Premises occurs using the lowest drop heights possible, so that dust and noise are minimised.</i></p> <p>Condition 7 – <i>The Licence Holder must ensure that all crushing and screening activities occur at the lowest elevation of the premises and are sheltered by the quarry walls.</i></p>
Noise	Crushing and screening of material	Air/windborne pathway	<p>The Licence Holder stated “there will be no increase in noise or dust emissions or risk.” No new controls proposed.</p> <p><u>Existing controls in L9183/2018/2:</u></p> <p>Condition 2 – <i>The Licence Holder must ensure that operations at the Premises only occur between the hours of 6:00am to 5:00pm Monday to Saturday excluding</i></p>

Emission	Sources	Potential pathways	Proposed controls
			<p>public holidays.</p> <p>Condition 3 – <i>The Licence Holder must ensure noise shields and silencers are fitted to crushing and screening equipment used on the Premises wherever possible.</i></p> <p>Condition 4 - <i>The Licence Holder must ensure that all vehicles on the Premises:</i></p> <ul style="list-style-type: none"> <li>(i) <i>comply with the maximum speed limit of 15km per hour; and</i></li> <li>(ii) <i>are driven in a manner that minimises the use of airbrakes when entering or exiting the access road on Lot 7</i></li> </ul> <p>Condition 5 – <i>The Licence Holder must ensure that all vehicles and machinery operated by the Licence Holder on the Premises are fitted with low frequency 'croaker' reversing alarms where possible.</i></p> <p>Condition 6 – <i>The Licence Holder must ensure that all loading of material on the Premises occurs using the lowest drop heights possible, so that dust and noise are minimised.</i></p> <p>Condition 7 – <i>The Licence Holder must ensure that all crushing and screening activities occur at the lowest elevation of the premises and are sheltered by the quarry walls.</i></p>

#### 4.1.2 Receptors

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

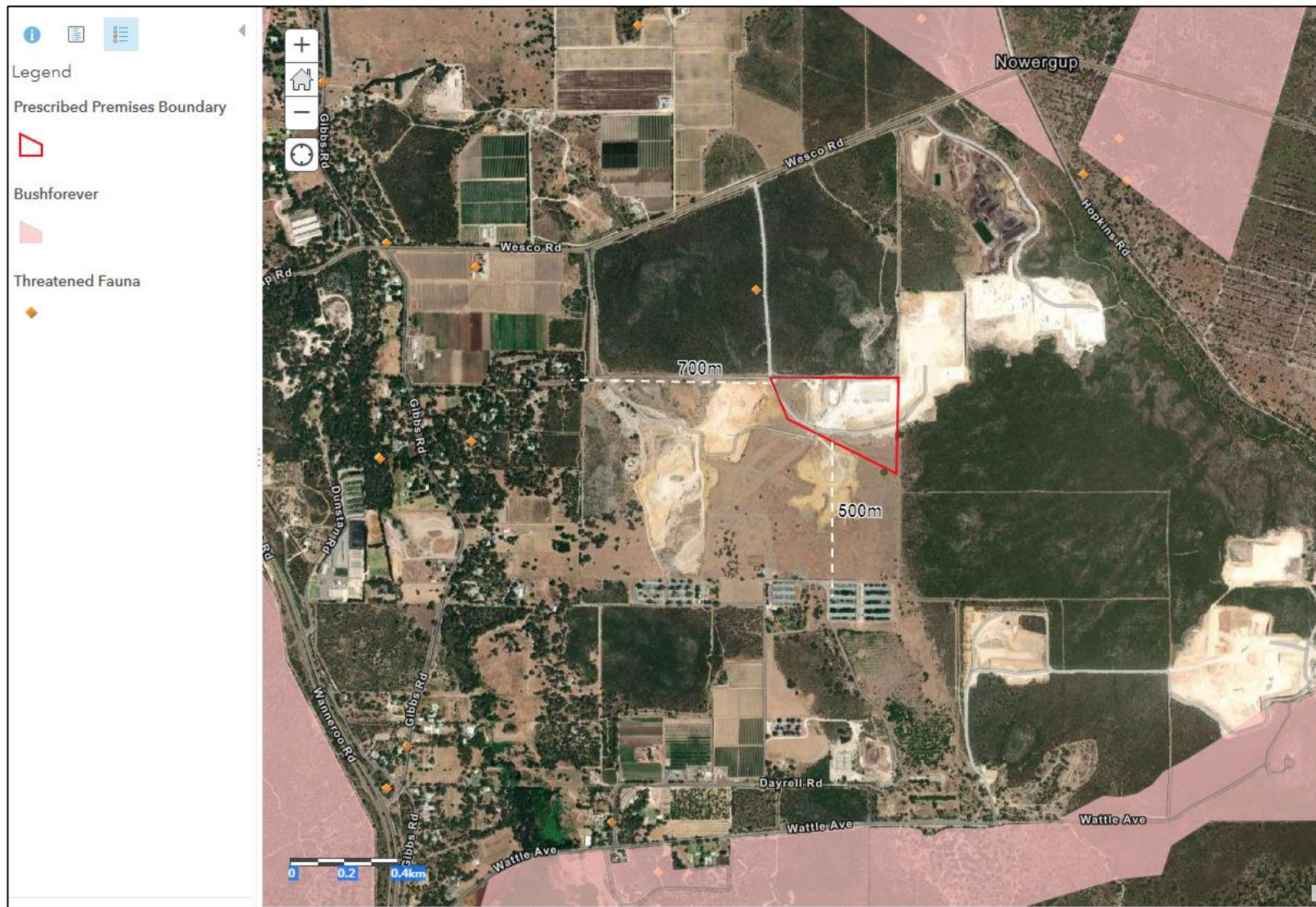
Table 3 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

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

Human receptors	Distance from prescribed activity
Residential Premises 172 Gibbs Road, NOWERGUP 6032	700 m west of the prescribed premises boundary
Dress Circle Farm Pty Ltd 79 Dayrell Road, NOWERGUP 6032	< 500m south of the prescribed premises boundary

Environmental receptors	Distance from prescribed activity
Bushforever site 136	1.1km north-east of prescribed premises boundary
Bushforever site 290	1km north-east of prescribed premises boundary
Threatened ecological community (TEC): <i>Melaleuca huegelii</i> (Melaleuca systema shrublands on limestone ridges)	Approximately 800m south-west of the prescribed premises boundary
Threatened ecological community (TEC): Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region	1.1km north-east of the prescribed premises boundary
Threatened flora: <i>Melaleuca sp. Wanneroo</i>	Adjacent to the prescribed premises boundary
Threatened fauna: <i>Calyptorhynchus latirostris</i>	400m north, 1km north-east and 1.1km north-west of prescribed premises





**Figure 1: Distance to sensitive receptors**

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## 4.2 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 4.1.1. Where linkages are in-complete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 4.1.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

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

The Revised Licence L9183/2018/2 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. category 12 and category 77 activities.

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



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

Risk Event					Risk rating <sup>1</sup>	Licence Holder's controls sufficient?	Conditions <sup>2</sup> of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls	C = consequence L = likelihood			
<b>Operation</b>								
Vehicle movements Extraction, storage, and processing (crushing/screening) of material Construction of limestone products	Dust	Air/windborne pathway causing impacts to health and amenity of closest human receptors	Bushforever sites 290, 136 TEC: <i>Melaleuca huegelii</i> TEC: Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region <i>Melaleuca sp. Wanneroo</i> <i>Calyptorhynchus latirostris</i>	Refer to Section 4.1.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	Existing conditions – 4, 6, 7 Refer to Section 4.1.1 for description	As increased production will only involve an additional 5 hours of production time per week (an increase from 10 hours per week to 15 hours per week), the risk profile for the activity remains unchanged. Existing conditions are therefore considered sufficient
	Noise		Residences 700m west Dress Circle Farm Pty Ltd <i>Calyptorhynchus latirostris</i>	Refer to Section 4.1.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	Existing conditions – 2, 3, 4, 5, 6, 7 Refer to Section 4.1.1 for description	As increased production will only involve an additional 5 hours of production time per week (an increase from 10 hours per week to 15 hours per week), the risk profile for the activity remains unchanged. Existing conditions are therefore considered sufficient

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

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

## 5. Consultation

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

**Table 5: Consultation**

Consultation method	Comments received	Department response
Local Government Authority – City of Wanneroo advised of proposal 23/06/2023	No comments received	N/A
Stakeholder adjacent to the premises – Northsands Resources advised of proposal 22/06/2023	No comments received	N/A
Stakeholder in proximity to premises - Dress Circle Farm Pty Ltd advised of proposal 22/06/2023	No comments received	N/A
Resident in proximity to premises – 172 Gibbs Road advised of proposal 22/06/2023	No comments received	N/A
Licence Holder was provided with draft amendment on 07/08/2023	Requested to waive comment period	Noted.

## 6. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that the emissions risk profile resulting from the proposed increase in production time is unlikely to change, and that existing conditions on Licence L9183/2018/2 remain sufficient to manage emissions from the prescribed premises operations. A Revised Licence will therefore be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

### 6.1 Summary of amendments

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

**Table 6: Summary of licence amendments**

Condition no.	Proposed amendments
Assessed production/design	<ul style="list-style-type: none"> <li>For category 12, replaced 100,000 with 150,000 tonnes per annum</li> </ul>

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capacity	<ul style="list-style-type: none"> <li>For category 77, replaced 100,000 with 150,000 tonnes per annum</li> </ul>
Schedule 2: Primary Activities	<ul style="list-style-type: none"> <li>Updated premises production or design capacity under table 5</li> </ul>
Formatting	<ul style="list-style-type: none"> <li>Updated to new licence format; deleted explanatory notes</li> <li>Added Licence history table</li> <li>Moved definitions to the end of conditions and changed table numbering</li> </ul>

## 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.

## Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY					
Application type					
Works approval	<input type="checkbox"/>				
Licence	<input type="checkbox"/>	Relevant works approval number:		None	<input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>		
		Environmental Compliance Report / <del>Critical Containment Infrastructure Report</del> submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>		
		Date Report received:			
Renewal	<input type="checkbox"/>	Current licence number:			
Amendment to works approval	<input type="checkbox"/>	Current works approval number:			
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L9183/2018/1		
		Relevant works approval number:		N/A	<input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None	<input type="checkbox"/>
Date application received	30/03/2023				
Applicant and Premises details					
Applicant name/s (full legal name/s)	Meteor Stone Pty Ltd				
Premises name	Meteor Stone Wesco Road				
Premises location	86 Wesco Road Nowergup Portion Lot 6 on diagram 34734 Portion Lot 7 (D: 49564), 136 Wesco Road, Nowergup				
Local Government Authority	City of Wanneroo				
Application documents					
HPCM file reference number:	DER2018/001603 (A)				
Key application documents (additional to application form):	Extractive Industry Licence to Meteor Stone (A2167007) Certificate of title Signed amendment for tonnage land owners (A2167006) Meteor Stone Lots 6 and 7 Management Plan 2020 – 04 Report Company extract				
Scope of application/assessment					

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Summary of proposed activities or changes to existing operations.	<p>Licence amendment</p> <p>Maximum production capacity for categories 77 and 12 increased to 150,000 tonnes per year.</p>
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**Category number/s (activities that cause the premises to become prescribed premises)**

**Table 1: Prescribed premises categories**

Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
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.	Existing: 100,000 tonnes per annum	Proposed: 150,000 tonnes per annum
Category 77: Concrete batching or cement products manufacturing: premises on which cement products or concrete are manufactured for use at places or premises other than those premises.	Existing: 100,000 tonnes per annum	Proposed: 150,000 tonnes per annum

**Legislative context and other approvals**

Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<del>Referral decision No:</del> <del>Managed under Part V <input type="checkbox"/></del> <del>Assessed under Part IV <input type="checkbox"/></del>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<del>Ministerial statement No:-</del> <del>EPA Report No:-</del>
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<del>Reference No:-</del>
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input checked="" type="checkbox"/> <a href="#">letter authorising permission for increased tonnage from the Land Holders</a>

Has the applicant obtained all relevant planning approvals?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Approval: <a href="#">Extractive Industry Licence</a> Expiry date: <a href="#">21/11/2024</a>
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: <a href="#">N/A</a> <a href="#">No clearing is proposed.</a>
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: <a href="#">N/A</a> Licence/permit No: <a href="#">N/A</a> <a href="#">No clearing is proposed.</a>
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: <a href="#">Licence / permit not required.</a>
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: <a href="#">Wanneroo Groundwater Area</a> Type: <a href="#">Proclaimed Groundwater Area</a> Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: <a href="#">N/A</a>
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: <a href="#">N/A</a> Priority: <a href="#">P1 / P2 / P3 / N/A</a> Are the proposed activities/ landuse compatible with the PDWSA (refer to <a href="#">WQPN 25</a> )? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
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> )	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<a href="#">Planning and Development Act 2005 (DA2014/1733 Expires 21/11/2024)</a> <a href="#">Local Government Act 1995 ( Extractive Industry Licence (No. 2014/1733, DA2020/499 – expires 21/11/2024)</a> <a href="#">Environmental Protection (Noise) Regulations 1997</a>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CSS site ID: <a href="#">N/A</a> Classification: <a href="#">N/A</a> Date of classification: <a href="#">N/A</a>