



Application for Licence

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

Licence Number	L8467/2010/2
Applicant	Hanson Construction Materials Pty Ltd
ACN	009 679 734
File Number	2010/005567-1
Premises	Hanson Johnston Road Operations Lot 2 on Diagram 29974 Johnston Road WAROONA WA 6215 As defined by the Premises map attached to the issued licence
Date of Report	19 April 2021
Decision	Licence granted

Terrel MacGregor

A/MANAGER – RESOURCE INDUSTRIES

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

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1. Decision summary

The Delegated Officer has determined to renew Licence L8467/2010/1. This Decision Report documents the assessment of potential risks to the environment and public health from emissions and discharges during the operation of the Premises. As a result of this assessment, Licence L8467/2010/2 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In renewing the licence and completing the assessment documented in this Decision 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 Renewal application summary and overview of Premises

On 22 February 2021, Hanson Construction Materials Pty Ltd (Licence Holder) submitted an application to renew licence L8467/2010/1 as it expires on 28 April 2021.

Licence L8467/2010/1 is for the operation of a washing and screening plant at Hanson Johnston Road Operations (the Premises). The Premises is approximately 13 km north-west of Yarloop, with the closest residence being 2 km to the north-west.

The Premises relates to category 12 and the assessed production/design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in Licence L8467/2010/2. The infrastructure and equipment relating to the premises category and any associated activities which the department has considered in line with *Guideline: Risk assessments* (DWER 2017) are outlined in Licence L8467/2010/2.

The Premises has been operating since 2007, with current operations being undertaken in the central western portion of the Premises in an area that extends over approximately 40 hectares (Figure 1).



Figure 1: Layout of Premises

The Premises excavates and screens three products (brick sand, plaster sand and concrete sand). In undertaking sand washing and screening activities, unprocessed sand is fed into the screening plant. Material is then passed through a screen to remove impurities (i.e. organic matter, gravel), and is then washed. Washed sand is stockpiled via a conveyor, to allow for drying and storage pending export by transport trucks. Excess water from processing is pumped to a settlement pond to allow the silt fraction to settle out. Clean water from the settlement pond is pumped to a clean water pond for recycling back into the process (Refer to Figure 2).

Accumulated silt in the settlement pond is removed as necessary and stockpiled. The stockpiled silt is combined with a topsoil mix and used on site as part of its rehabilitation. Excess silt is sent to other sites i.e. landfill, where it can be either disposed of or used in cell rehabilitation.

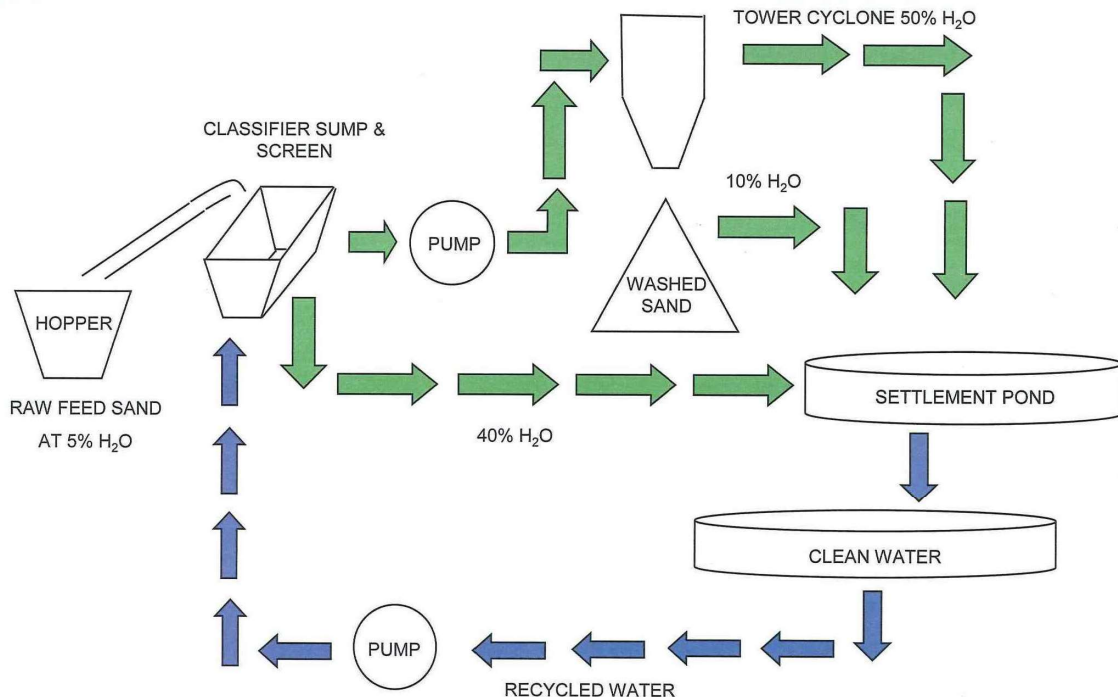


Figure 2: Process flow diagram

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 2017).

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

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Decision Report are detailed in Table 1 below. Table 1 also details the proposed control measures the applicant has proposed to assist in controlling these emissions, where necessary.

Table 1: Proposed applicant controls

Emission	Sources	Potential pathways	Proposed controls
Operation			
Dust	Quarry traffic and wind	Air/windborne pathway	<ul style="list-style-type: none"> Covering of truck loads. Use of water trucks and sprays.
Noise	Truck movement and machinery	Air/vibration	<ul style="list-style-type: none"> Site operation times - from 0600 hours to 1800 hours Monday through Saturday.

Emission	Sources	Potential pathways	Proposed controls
	operation		<ul style="list-style-type: none"> Machinery maintenance.
Silt waste fraction	Washing process	Discharges to land	<ul style="list-style-type: none"> No additives or chemicals used in the washing process. Excess water from processing is pumped to a settlement pond to allow the silt fraction to settle out. Accumulated silt is removed and stockpiled pending mixing with topsoil for use onsite for rehabilitation. Excess silt removed from the Premises for use at other facilities. Clean water from the settlement pond is pumped to a clean water pond for recycling back into the process.
Hydrocarbon spill	Refuelling	Discharges to land	<ul style="list-style-type: none"> Chemicals and fuel not stored at the Premises. Fuel cart is brought to the Premises to fill up the required infrastructure and equipment.

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2017), the Delegated Officer has excluded employees, visitors and contractors of the applicant's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

The closest residence is located approximately 2 km to the north of the Premises. Given the distance this residence is not considered a receptor.

Table 2 below provides a summary of potential environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2016)).

Table 2: Environmental receptors and distance from prescribed activity

Environmental receptors	Distance from prescribed activity
Buffer zone for the Banksia Dominated Woodlands of the Swan Coastal Plain IBRA Region Priority 3 Priority Ecological Community (PEC)	Approximately 200 m from the quarry
Waterways Conservation Area Peel Inlet Management Area	Approximately 600 m from the quarry

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk assessments* (DWER 2017) for each identified emission source and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are in-complete they have not been considered further in the risk assessment.

Where the applicant 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 applicant'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 applicant's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

Licence L8467/2010/2 that accompanies this Decision Report authorises emissions associated with the operation of the Premises i.e. sand washing and screening activities.

The conditions in the issued Licence, as outlined in Table 3 have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 3: Risk assessment of potential emissions and discharges from the Premises during operation

Risk Event					Risk rating ¹	Applicant controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood			
Operation								
Sand washing and screening activities, stockpiling of material Vehicle movements	Dust	Air/windborne pathway causing impacts vegetation	Buffer zone for Priority 3 PEC – 200 m	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	Condition 1	N/A
	Stormwater contaminated with hydrocarbons and/or sediment laden during high rainfall events	Stormwater runoff during high rainfall events impacting the terrestrial environment	Buffer zone for Priority 3 PEC – 200 m Peel Inlet Management Area – 600 m	N/A	C = Minor L = Rare Low Risk	N/A	Conditions on licence are not required. Other regulatory approvals apply including: <ul style="list-style-type: none"> The Extractive Industry Licence granted by the Shire of Waroona which requires the Licence Holder to contain all stormwater on site to the satisfaction of the Shire of Waroona; General provisions of the EP Act; and <i>Environmental Protection (Unauthorised Discharges) Regulations 2004.</i> 	N/A
	Silt waste fraction from the washing process	Direct discharges to land impacting on the terrestrial environment	Buffer zone for Priority 3 PEC – 200 m Peel Inlet Management Area – 600 m	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	Condition 1	N/A

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2017).

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

4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

Table 4: Consultation

Consultation method	Comments received	Department response
Application advertised on the department's website (29/03/2021)	None received.	N/A.
Local Government Authority advised of proposal (25/03/2021)	None received.	N/A.
Applicant was provided with draft documents on (7/04/2021)	The applicant responded on 12/04/2021 addressing outstanding queries and waived the remaining comment period on 13/04/2021.	N/A.

5. Conclusion

Based on the assessment in this Decision Report, the Delegated Officer has determined that the application to renew licence L8467/2010/2 will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

The risk assessment did not identify the need for any additional regulatory controls and no changes have been made to the licence conditions. The version number of the licence has been updated from 1 to 2 and the expiry date set as 28 April 2041 in accordance with the *Guidance Statement: Licence Duration* (DER 2016). The licence expiry date of 2041 does not exclude the Licence Holder's need to hold applicable planning approval or other necessary approvals for the activities on site.

The obligations of the Licence Holder have not changed in renewing the licence. DWER may undertake a review of the licence at any time to reassess the emissions and discharges associated with the Premises if deemed necessary.

References

1. Department of Environment Regulation (DER) 2016, *Guidance Statement: Licence Duration*, Perth, Western Australia
2. DER 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
3. Department of Water and Environmental Regulation (DWER) 2016, *Guideline: Environmental siting*, Joondalup, Western Australia.
4. DWER 2017, *Guideline: Risk assessments*, Joondalup, Western Australia.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY		
Application type		
Renewal	<input checked="" type="checkbox"/>	Current licence number: L8467/2010/1
Date application received	22 February 2021	
Applicant and Premises details		
Applicant name/s (full legal name/s)	Hanson Construction Materials Pty Ltd (ACN: 009 679 734)	
Premises name	Hanson Johnston Road Operations	
Premises location	Lot 2 on Diagram 29974 WAROONA WA 6215	
Local Government Authority	Shire of Waroona	
Application documents		
HPCM file reference number:	2010/005567-1	
Key application documents (additional to application form):		
Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	Licence renewal for the continued operation of a screening and washing plant.	
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	400,000 tonnes per years	
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"/>	Referral decision No: Managed under Part V <input type="checkbox"/> 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 type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry:

		Other evidence <input checked="" type="checkbox"/> Lease Agreement
Has the applicant obtained all relevant planning approvals?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Approval: Extractive Industry Licence Expiry date: 4/04/2023
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: N/A No clearing is proposed, existing facility
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 checked="" type="checkbox"/> No <input type="checkbox"/>	Licence/permit No: GWL165699(2)
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: South West Coastal Type: Proclaimed Groundwater Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: South West
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? 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 type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Peel Harvey Environmental Protection Policy
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A
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"/>	Classification: N/A Date of classification: N/A