



Application for Licence Amendment

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

Licence Number	L8640/2012/2
Licence Holder	Mobile Crushing Solutions Pty Ltd
ACN	130 398 266
File Number	2012/002036
Premises	Range Quarry Project M08/272 CANE WA 6710 As defined by the Premises maps attached to the Revised Licence
Date of Report	22 September 2021
Decision	Revised licence granted

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

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1. Decision summary

Licence L8640/2012/2 is held by Mobile Crushing Solutions Pty Ltd (Licence Holder) for the Range Quarry Project (the Premises), located at mining tenement M08/272 in the Shire of Ashburton.

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 L8640/2012/2 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 11 May 2021, the Licence Holder submitted an application to the department to amend Licence L8640/2012/2 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Relocation of the currently approved ROM and mobile crushing and screening equipment within the premises boundary.

This amendment is limited to changes to Category 12 activities from the existing Licence.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed changes

Category	Current design capacity	Proposed design capacity	Description of proposed amendment
12	1,095,000 tonnes per annual period	No change	Relocation of the ROM pad and crushing and screening equipment within the mine pit. Condition to allow the future movement of the plant.

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 and 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	<ul style="list-style-type: none"> Regular visual inspections for dust emissions during operation and assessment of any emissions. Sprinklers on crushers Screens, shields and covers on conveyors and transfer points Water suppression on hardstand areas, bare areas and access roads. Speed limits on haul roads Weather monitoring for the potential for high winds and extra water applied accordingly. Incident reporting system
Noise	Crushing and screening of material	Air/windborne pathway	<ul style="list-style-type: none"> Noise emissions are managed in accordance with the Environmental Protection (Noise) Regulations 1997. Barriers installed around motors. Regular servicing and maintenance Incident reporting system, including investigations into complaints.
Contaminated stormwater runoff and leachate	Stockpiles, cleared areas and operational areas, hydrocarbon spills and breach of containment	Stormwater runoff into natural drainage systems and infiltration into groundwater	<ul style="list-style-type: none"> Containing and treating potentially contaminated stormwater prior to disposal Graded to ensure stormwater, wash-down and spillage water is either directed to a low point within the quarry, or to the catchment pond from where it can be recycled for dust suppression purposes. Runoff from stockpiles diverted to catchment ponds or low points in quarry

Emission	Sources	Potential pathways	Proposed controls
			<ul style="list-style-type: none"> • Incident reporting system • Hydrocarbon and chemical storage areas are inspected on a regular basis • Catchment pond is inspected on a regular basis and emptied if required to maintain capacity • Spill kits are inspected on a regular basis and replenished as required.

3.1.2 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
Closest receptor is Nanutarra roadhouse	37 km south of the premises This receptor has been screened out due to distance.
Environmental receptors	Distance from prescribed activity
DBCA legislated Cane River reserve	Premises located within reserve
Pilbara proclaimed groundwater zone Quarry to extend to 26m from surface	Water table located 30 m below ground level, crushing and screening plant to be located 4m above groundwater.

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 Licence 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 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 L8640/2012/2 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises i.e. crushing and screening 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 construction and operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Operation								
Relocation and operation of crushing and screening facility Vehicle movement	Sediment laden and contaminated stormwater	Overland runoff potentially causing ecosystem disturbance or impacting surface water quality Infiltration into groundwater	Vegetation, groundwater and soils within Cane River conservation reserve	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Condition 2 and Schedule 2	N/A

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.

4. Consultation

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

Table 5: Consultation

Consultation method	Comments received	Department response
The Shire of Ashburton advised of proposal 22 July 2021	<p>Comments were received on the 05 August 2021. The Shire of Ashburton raises no concerns in relation to the proposes amendment.</p> <p>It should be noted that the location of the mining tenements is close to the trigger distance for the Dampier-Bunbury Natural Gas Pipeline and may require referral to the relevant determining authority.</p>	DWER notes that the tenements are close to the trigger distance for the Dampier-Bunbury Natural Gas Pipeline and will contact the Department of Planning, Lands and Heritage for comment.
Department of Mines, Industry Regulation and Safety (DMIRS) advised of proposal 22 July 2021	<p>Comments were received on 13 August 2021 stating that tenement M08/272 is a live tenement and there is an approved mine plan which includes provisions for crushing and screening.</p>	DWER notes that tenement M08/272 is live and that there is an approved mine plan for crushing and screening. DWER will only regulate emissions and discharges from the category 12 activities.
The Department of Biodiversity, Conservation and Attractions (DBCA) advised of proposal 22 July 2021	<p>Comments were received on the 05 August 2021.</p> <p>DBCA has reviewed the documents and notes that no specific information was provided that highlights any potential impacts associated with the proposal.</p> <p>DBCA notes that a clearing permit under Part V of the EP Act has been applied for the proposed area subject to this application.</p> <p>DBCA does not propose any specific comments in regards to this works approval.</p>	DWER notes the DBCA has reviewed the application documents and notes that based on the information provided, has no specific comments.
Department of Planning, Lands and Heritage (DPLH) advised of proposal 1 September 2021	<p>Comments were received on the 10 September 2021.</p> <p>The DPLH provides in principle support of the amendment, however it is recommended that.</p> <p>a) The proponent should be advised that prior to the commencement of any future on-ground development works within the Dampier Bunbury Natural Gas Pipeline (DBNGP) corridor, they must seek approval in writing from the DBNGP Land Access Minister.</p>	<p>DWER notes that the DPLH has reviewed the location of the expansion and had provided in principle support.</p> <p>DWER notes that the proponent should seek written approval for any future on-ground development works within the DBNGP corridor from the Land access minister.</p>

	<p>b) Pursuant to section 41 of the DBNGP, restrictions will apply to the area of land that is contained in the DBNGP corridor. The proponent must apply for a section 41 approval specifically for (but not limited to) (conditions may be varied)</p> <p>i) any new crossing over the DBNGP corridor</p> <p>ii) any possible encroachment by personnel, equipment, excess materials and spoil during operation.</p>	
Applicant was provided with draft documents on 6 September 2021	Comment period waived 20 September 2021.	N/A

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence 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 Licence as part of the amendment process.

Table 6: Summary of licence amendments

Condition no.	Proposed amendments
Schedule 1: Maps	Updated Premises layout map removing the location of the Category 12 crushing and screening infrastructure to allow for future movement.
Schedule 2: Primary Activities, Table 5	Changes to Table 5 outlining the infrastructure locations.

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. Email titled "L8640/2012/2 – Range Quarry Project – Licence amendment application" dated 11/05/2021 authored by Mobile Concreting Solutions Pty Ltd, available at DWER records (DWERDT450210).

Appendix 1: Application validation summary

SECTION 1: APPLICATION SUMMARY				
Application type				
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L8640/2012/2	
		Relevant works approval number:	N/A	<input checked="" type="checkbox"/>
Date application received	11/05/2021			
Applicant and Premises details				
Applicant name/s (full legal name/s)	Mobile Concreting Solutions Pty Ltd			
Premises name	Range Quarry Project			
Premises location	M08/272			
Local Government Authority	Shire of Ashburton			
Application documents				
HPCM file reference number:	2012/002036-1			
Key application documents (additional to application form):	<i>Attachment 7_Siting and location</i> <i>Attachment 2_AreaOfActivity</i>			
Scope of application/assessment				
Summary of proposed activities or changes to existing operations.	Licence amendment Relocation of Category 12 screening facility within mining tenement.			
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		
Category 12: <i>Screening etc. of material.</i>		Assessed – 1,095,0000 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"/>	Referral decision No: N/A 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: N/A EPA Report No: N/A		
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No: N/A		

Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Mining lease / tenement <input checked="" type="checkbox"/> M08/272 Expiry:12/06/2027
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	If N/A explain why? Activities are taking place within a mining tenement.
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: 9285/1 An application has been submitted with DMIRS for approval to clear 9.85 ha to extend pit.
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"/>	Licence / permit not required. Applicant has stated they will submit a permit when 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: Pilbara Surface and groundwater area Type: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: North 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
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"/>	Dangerous Goods Safety Act 2004 Environmental Protection (Unauthorised Discharges) Regulations 2004 Rights in Water and Irrigation act 1914 (RIWI) Mining Act 1978
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"/>	