

Decision Report

Application for Licence

Part V Division 3 of the Environmental Protection Act 1986

Licence Number	L9291/2021/1
Applicant	Omaha Nominees Pty Ltd
ACN	008 915 839
File number	DER2021/000072
Premises	Omaha Nominees Limestone Quarry Finn Road, Myalup Legal description Lot 3618 on deposited plan 251474 (vol:1788, folio:98) and Lot 55 on deposited plan 36488 (vol: 2532, folio:187)
	As defined by the premises maps attached to the issued licence
Date of report	18 August 2021
Decision	Licence granted

A/MANGER, RESOURCE INDUSTRIES REGULATORY SERVICES

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

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1. Decision summary

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 L9291/2021/1 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this decision report, the Department of Water and Environmental Regulation (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 and overview of premises

On 01 February 2021, Omaha Nominees Pty Ltd (the Applicant) submitted an application for a licence to the department under section 57 of the *Environmental Protection Act 1986* (EP Act).

The application relates to the proposal to conduct crushing and screening of material at the premises. It is proposed that 52,000 tonnes of limestone will be processed per year on Lot 55 and Lot 3618 at Finn Road, Myalup. The premises is approximately 9 km north of Myalup beach.

The premises relates to the category 12 and assessed production capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in licence L9291/2021/1. 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 2020) are outlined in licence L9291/2021/1.

2.3 **Proposed Activities**

The prescribed premises activities include crushing and screening of extracted limestone, stockpiling, and transportation of materials within the premises. Extraction of material from the quarry pit is not proposed during this project. A crushing plant is permanently located in the Lot 3618 and therefore the crushing and screening activities will be carried out only in Lot 3618.

Currently, 200,000 tonnes of limestone material is stockpiled within the prescribed premises. This includes 100,000 tonnes of fully processed limestone material awaiting removal from the premises by trucks and another 100,000 tonnes of raw material that is required to be crushed and screened (processed).

Topsoil and overburden materials are already stockpiled along the edges of the extraction areas up to 3 metres in height. No blasting will be performed at the premises.

It is proposed that the crushing and screening operation will be undertaken for a period of 3 years in line with the Extractive Industry Licence (EIL) issued by the Shire of Harvey. The applicant anticipates operating the crushing and screening plant between 90-100 days per year. Operations will be will be spread out throughout the year with the crusher operating 3 weeks continuously for around 21 campaigns.

2.4 Exclusions to the Premises

This assessment relates to the operation of crushing and screening plant at the premises only. The extraction of material from quarry pits is not assessed under this report. Extraction activities require approval under the *Planning and Development Act 2005* and are regulated by the Shire of Harvey. The Delegated Officer notes Planning Approval and Extractive Industry Licences for

Lots 3618 and 55 Finn Road were issued by the Shire of Harvey permitting processing and removal of existing stockpiles only (extraction activities not permitted).

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 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.

Emission	Sources	Potential pathways	Proposed controls
Operation	·		
Dust	Crushing and screening of material, vehicle movements, loading and unloading of material lift-off from stockpiles and/or stored product,	Air / windborne pathway	 Spray bars will be used on the conveyors Water cart will be used to suppress the potential dust emissions in areas of concern during operation Operation will be ceased during the strong winds until adequate wetting down occurs Screening and crushing operation to be located in topographically low points Polymer based spray on stabilizer to be used on stockpile and overburden if the soil will not stabilize by crusting and grass regrowth Speed limits to be applied on the internal limestone roads Truck loads to be covered all times
Noise	Crushing and screening of material, vehicle movements, loading and unloading of material	Air / windborne pathway	 Topsoil bunds to be build along the edges of the pit to attenuate the noise emissions from the operation Crushing and screening will only take place on Lot 3618 Operations to be restricted From Monday to Friday from 7 am to 6 pm A complaints register will be maintained

Table 1: Proposed applicant controls

Emission	Sources	Potential pathways	Proposed controls
Sediment laden stormwater	Crushing and screening operation Storage of material	Overland runoff Seepage to soil and groundwater	 Screening and crushing operation to be located in topographically low points within the pit Topsoil to be excavated only until 0.3m above the maximum end of the end-of-winter water table

3.1.2 Receptors

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

Table 2 and Figure 1 below provide 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 2: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity			
Myalup town	approximately 9km south of the Premises			
Residential Premises	6 residences from ~160m to 730m from boundary of the prescribed premises			
Environmental receptors	Distance from prescribed activity			
Lake Preston (Environmentally Sensitive area)	Lake Preston located 800m west of the Premises boundary which is part of the Peel-Yalorup system Ramsar site and the Yalgorup national Park.			
Threatened Fauna	Not recorded within 500m from the premises			
Forest red-tailed black cockatoo, Baudin's Cockatoo, Carnaby's Cockatoo and western ringtail possum roosting habit areas				
3 x Threatened Ecological Communities - Tuart Woodlands (<i>Eucalyptus gomphocephala</i>)	Within the part of the prescribed premises			
Groundwater is within South West Coastal Groundwater Area with water quality between 500 to 1000 milligrams per litre TDS at a depth of plus 1.5 metres AHD and hydraulically connected to Lake Preston.	Beneath the premises			

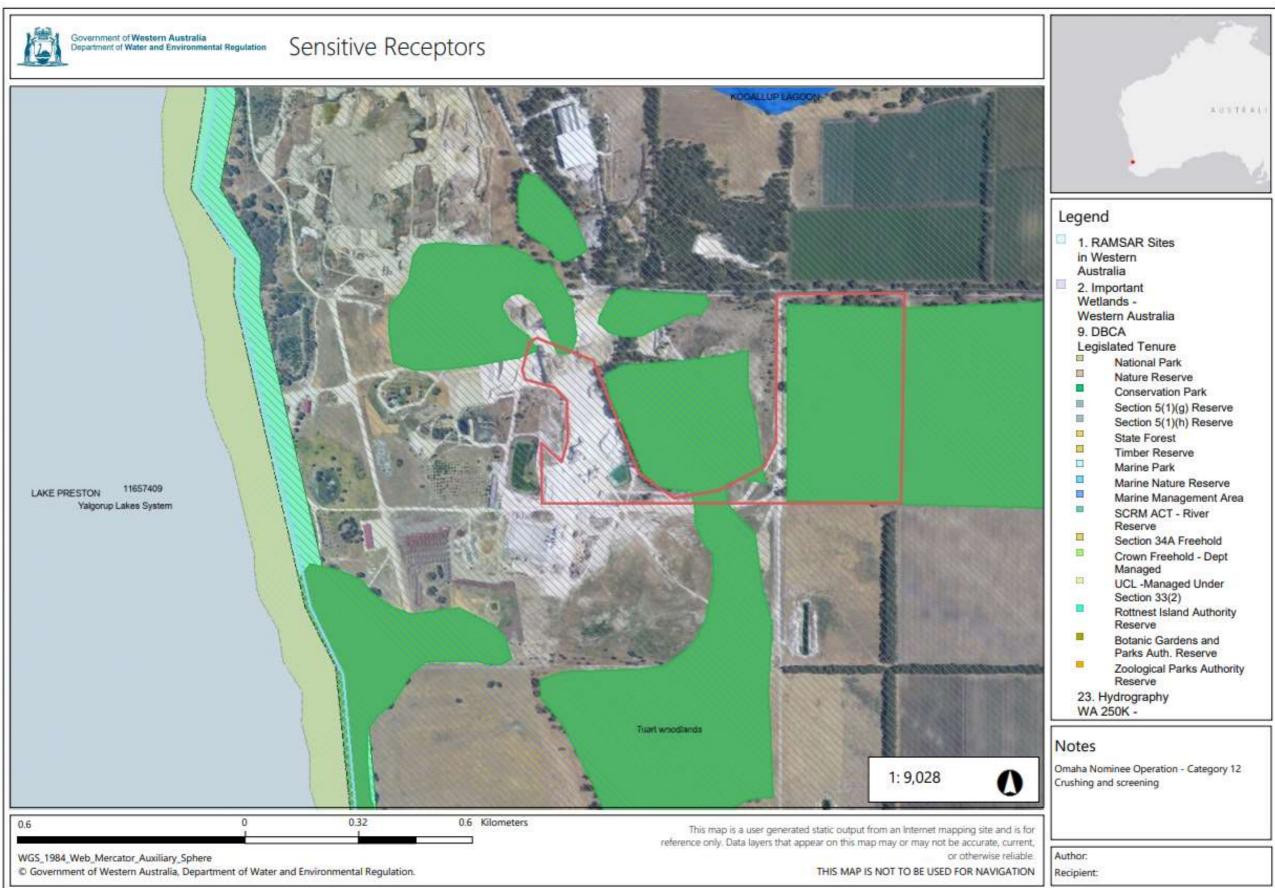


Figure 1: Distance to sensitive environmental receptors

3.1.3 Noise Management

Noise emissions from the operation are likely to be generated during raw material extraction, operation of crushing and screening plant, stockpiling of limestone, loading of trucks and vehicle movements during operations. Noise emissions could lead to negative impacts on the quality of life for nearby residences. Annoyance or discomfort experienced may vary depending on the frequency, type, timing and duration of noise emissions.

Six residential premises have been identified as potential receptors, which are located within 1000m from the point of operation. These are located to the north, east, west and south-west of the premises and are detailed in Table 3 and Figure 2.

Reference No.	Lot (Street) No.	Owner's Name	Distance to the prescribed premises boundary (m)
Struc 1	3618	Omaha Nominees Pty Ltd	235
Struc 2	3618	Omaha Nominees Pty Ltd	290
Struc 3	1734	Biaggio Versaci (occupant: Paul Sgambelluri)	160
Struc 4	3617	Blaire Howe	560
Struc 5	3618	Omaha Nominees Pty Ltd	577
Struc 6	1527	Unknown	730

Struc 3 is located approximately 160 metres to the north of the prescribed premises boundary and has been identified as the most vulnerable sensitive receptor. Struc 1. Struc 2, Struc 4 and Struc 5 are owned by the Omaha Nominees Pty Ltd and/or the owner of the operation, and therefore are not considered as sensitive receptors. Struc 6 is located approximately 730 m from the premises boundary and approximately 1,500m from the crushing plant on the Lot 3618. Therefore, the impacts from the crushing and screening operation at the Struc 6 can be considered as minimal.

The applicant submitted an Amenity Agreement in support of the application. The Amenity Agreement demonstrates that the occupant of the Lot 1734, 255 Finn Road Myalup (Struc 3 - nearest residential premises) is aware of the potential for high operational noise generated during the crushing and screening activities and has no concern in that regard and agrees to the operations occurring as proposed by the applicant. The agreement between the two parties was signed on 27 April 2021.

Additionally, the applicant has committed to only operating the crushing and screening plant between 7.00am – 6.00pm, within the day-time period as defined in the *Environmental Protection (Noise) Regulations 1997.* The applicant also proposes to deposit topsoil bunding along the edge of the pit to attenuate the noise impacts. In order to mitigate noise emissions during operation of the crushing and screening infrastructure, the Applicant is required to construct these noise bunds at appropriate height and locations to maintain the noise levels at the nearby sensitive premises below the assigned noise levels under the *Environmental Protection (Noise) Regulations 1997.* Due to the proposed applicant controls combined with the limited period of operations and commitment to only operate during day-time periods, DWER considers that the noise impacts at the nearby residentials premises from the crushing and screening operations are likely to be acceptable.

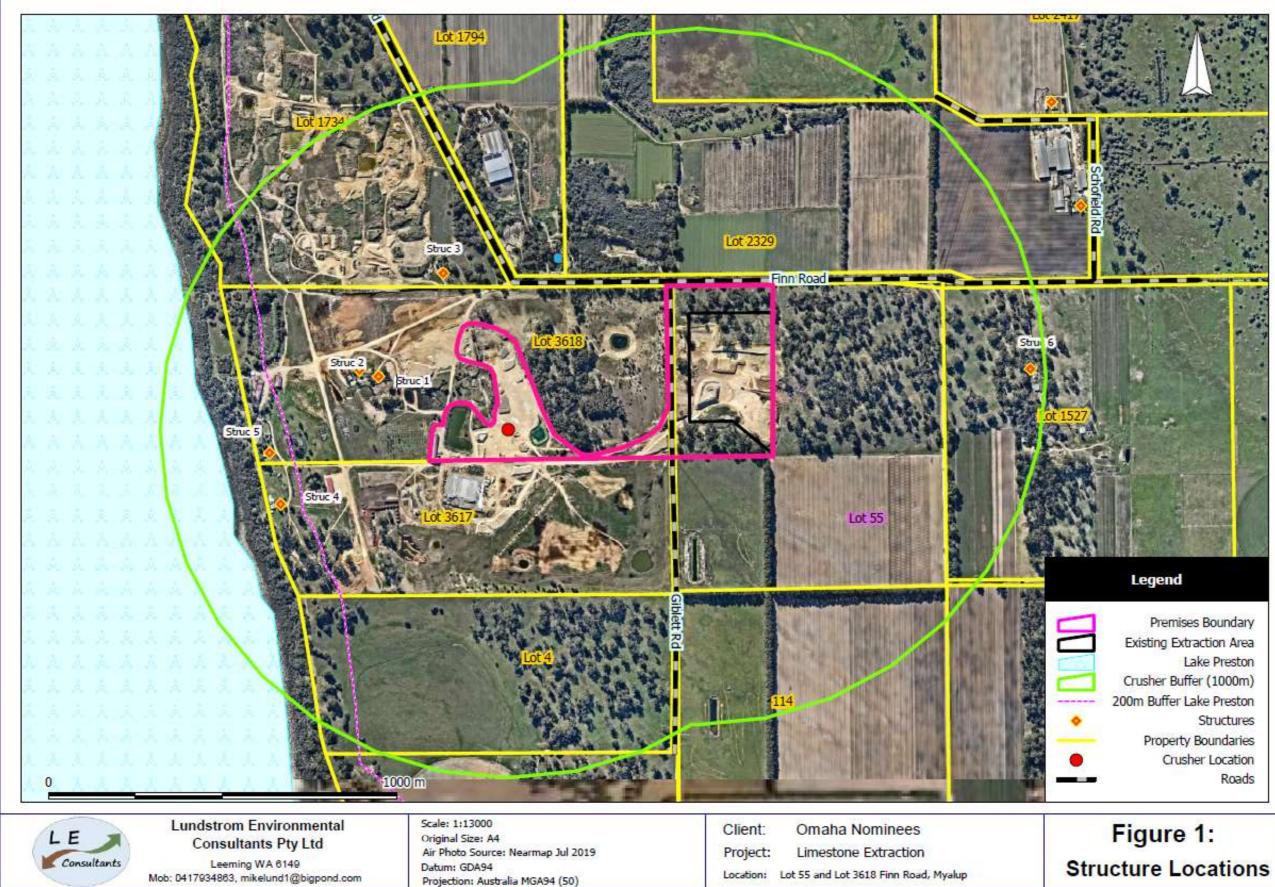


Figure 2: Location of the nearest Residential premises

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Risk ratings 3.2

Risk ratings have been assessed in accordance with the Guideline: Risk Assessments (DWER 2020) 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 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 4.

Licence L9291/2021/1 that accompanies this decision report authorises emissions associated with the operation of the premises i.e. Category 12 Screening, etc. of material activities.

The conditions in the issued licence, as outlined in Table 4 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 events					Risk rating ¹	Applicant		
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	controls sufficient?	Conditions ² of licence	Just
Operation					-			-
			Residences from 160m to 730m north, west and east of premises boundary.		C = Minor L = Unlikely Medium Risk	Y	Condition 1 Condition 2	Additional r Delegated are authoris sufficient to during the
Crushing and screening of material, vehicle movements, loading and unloading of material lift-off from stockpiles and/or stored product	Dust	Air / windborne pathway causing impacts to health and amenity	Threatened fauna (Cockatoos and Western Ringtail possum.) Native vegetation	Refer to Section 3.1	C = Slight L = Possible Low Risk	Y	Condition 1 Condition 2	Condition 1 authorised appropriate operation of on nearby 1 The Delega controls, su mitigate an receptors fr operation, of screening of disturbed a as a part of The operat throughout will be limit therefore of receptors fr minimal. Ac
Crushing and screening of material, vehicle movements, loading and unloading of material	Noise	Air / windborne pathway causing impacts to health and amenity	Residences from 160m to 730m north, west and east of premises boundary.	Refer to Section 3.1	C = Minor L = Unlikely Medium Risk	Y	Condition 1 Condition 3 General provisions of the Environmental Protection (Noise) Regulations 1997 apply	The application of the applicati

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stification for	additional	regulatory	controls
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al regulatory controls are not required. The d Officer considers the applicants controls, which prised in conditions of the issued licence, are to mitigate any potential impacts from dust e crushing and screening operation.

1 and 2 outlines the infrastructure and controls ed for operation under the licence at the ate locations to ensure dust emissions during of crushing and screening plant do not impact y receptors.

gated Officer considers that the applicant summarised in section 3.1, are sufficient to any impacts to the nearby environmental from the potential dust emissions during the , considering that the proposed crushing and g operation will be located in an already area. Additional clearing has not been proposed of operation of the crushing and screening plant. ation of the plant will take place intermittently ut the year as "campaign" type operations that nited to around 3 weeks per campaign. It is considered that the impact to the environmental from any potential dust emission will be Additional regulatory controls are not required.

icant has not conducted noise modelling to rate that the operational noise levels can comply Noise Regulations at the nearest sensitive (i.e. residential receptors).

sence of a detailed noise assessment for al noise, the Delegated Officer has determined striction on the hours of operation will be The approved hours of operation will be to between 07:00 to 18:00 (Monday to Friday). ne applicant anticipate a requirement to change the approved operational hours, a detailed noise ent will be required to demonstrate that the

Risk events					Risk rating ¹	Applicant	Conditions ² of licence	
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	controls sufficient?		Just
								operationa can achiev <i>Environme</i>
			Threatened fauna (Cockatoos and Western Ringtail possum.)		C = Slight L = Possible Low Risk	Y	Condition 1 Condition 3	Infrastructu operations issued lice attenuate a and screen The crushin topographi be placed a and therefor operations only in day (campaign Lake Prest approximat on the DW recorded w screening p The Delega controls are Additional
Crushing and screening operation Storage of material	Sediment laden stormwater	Overland runoff potentially causing ecosystem disturbance or impacting Lake Preston water quality	Lake Preston is 800m west of quarry and hydraulically connected by groundwater. Threatened fauna (Cockatoos and Western Ringtail possum.)	Refer to Section 3.1	C = Minor L = Rare Low Risk	Y	Condition 1 Condition 4 General provisions of the Environmental Protection (Unauthorised Discharges) 2004 will apply	Conditions authorised premises.

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

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

stification for additional regulatory controls

nal noise levels at the nearby sensitive premises eve the assigned noise levels under the *mental Protection (Noise) Regulations 1997.*

cture requirements and hours of authorised ns are outlined in the Condition 1 and 3 in the cence. These controls are deemed suitable to e any potential noise emission from the crushing ening operation.

shing and screening plant will be located in phically low point in the pit and topsoil bunds will ad along the edge of the pit to act as noise bunds efore mitigate noise emissions generated during ns. Additionally, the operation will be conducted aytime hours and for short periods of time gn operations).

eston (nearest environmentally sensitive area) is mately 800m to the west of the premises. Based OWER GIS layer, there are no threatened fauna d within 800m radius from the crushing and ng plant.

egated Officer considers that the applicant are adequate to manage any potential impacts. al regulatory controls are not required.

ns 1 and 4 outlines the infrastructure and controls ed to mitigate stormwater contamination at the S.

4. Consultation

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

Table 5: Consultation

Consultation method	Comments received	Department response
Application advertised on the department's website on 24/05/2021	One submission received from CCWA Citizen Science volunteers. They claimed that this proposal requires rigorous Fauna Survey of native vegetation, prior to any Approval, to assess potential impact to MNES. Black Cockatoo, Carnaby's & Western Ringtail Possum are very likely to be present Lake Preston fringing vegetation. Noise has potential to disrupt breeding behaviour of fauna.	Refer to Table 4: Risk assessment
Local Government Authority (Shire of Harvey) advised of proposal on 26/05/2021	None received	N/A
Applicant was provided with draft documents on 09/08/2021	Refer to Appendix 1	Refer to Appendix 1

5. Conclusion

Based on the assessment in this decision report, the delegated officer has determined that a licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

References

- Email titled "Work Approval Application Omaha Nominees Pty Ltd Lot 55 and 3618 Finn road, Myalup - Shire of Harvey" dated 01/02/2021 authored by Thushani Rathnayaka, available at DWER records (DWERDT407750).
- Email titled "Response letter regarding further information DER2021/000072" dated 29/04/2021 authored by Thushani Rathnayaka, available at DWER records (A2001180).
- 3. Email titled "Response to Further Information L9291/2021/1 Omaha Nominees Pty Ltd" dated 12/07/2021 authored by Thushani Rathnayaka, available at DWER records (A2026826).
- 4. DER 2015, Guidance Statement: Setting Conditions, Perth, Western Australia.
- 5. Department of Water and Environmental Regulation (DWER) 2019, *Guideline: Decision Making*, Joondalup, Western Australia.
- 6. DWER 2016, Guideline: Environmental siting, Joondalup, Western Australia.
- 7. DWER 2017, Guideline: Risk assessments, Joondalup, Western Australia.

Appendix 1: Summary of applicant's comments on risk assessment and draft conditions

Condition / Section	Summary of applicant's comment	Department's response
Cover Page of the issued licence	Registered business address submitted as requested by DWER	Cover Page of the issued licence has been updated accordingly.
Page 1 and 7 of the Draft decision report	Department requested clarification on the proposed activities and duration of the operation. Applicant responded as below.	Section 2.3 and Table 4 of the decision report has been updated accordingly.
	"Applicant will no longer be undertaking any further extraction activities. Within the site, 200,000 tonnes of material (limestone) exist in total. This comprises 100,000 tonnes of raw material that require screening on lot 3618 and 100,000 tonnes of fully processed material awaiting removal by trucks. Topsoil has already been stockpiled along the edges of the extraction areas."	
	It is proposed between 90 to 100 days to crush and screen all limestone. 100 days of operation will be spread out throughout the year with the crusher operating 3 weeks continuously on 21 campaigns.	
Page 5 of the Draft decision report	An updated premises map provided as requested by the department.	Premises map in the Schedule 1 of the issued licence has been updated accordingly.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY					
Application type					
Works approval					
	×	Relevant works approval number:		None	\boxtimes
		Has the works approval been complied with?		Yes □ No ⊠	
Licence		Has time limited operations under the works approval demonstrated acceptable operations?		Yes 🗆 No 🗆 N/A 🖂	
		Environmental Com Critical Containmen Report submitted?		Yes 🗆	No 🖂
		Date Report received: No Works Approval for existing operation			
Renewal	₽	Current licence- number:			
Amendment to works approval	₽	Current works- approval number:			
Amendment to licence	₽	Current licence- number:			
		Relevant works- approval number:		N/A	ц
Registration-	₽	Current works- approval number:		None	ф.
Date application received		1 February 2021 - confirmation of Licence application as applied for Registration however production is 52,000 tonnes per annual period.			
Applicant and Premises details					
Applicant name/s (full legal name/s)		Omaha Nominees Pty Ltd			
Premises name		Finn Road Limestone Quarry			
Premises location		Lot 3618 on deposited Plan 251474 (Volume 1788, Folio 98) and Lot 55 on deposited plan 36488 (Volume 2532, Folio 187) Finn Road Myalup; GPS coordinates (379800mE, 6345660mN zone 50)			
Local Government Authority		Shire of Harvey			
Application documents					
HPCM file reference number:		DER2018/001042-4~93 & DER2021/000072			
Key application documents (additional to application form):		 ASIC company extract Permission from Coastal Trading Partners P/L for Applicant to extract limestone from Lot 55, Finn Road Myalup. Prescribed premises boundary map. Attachment 6A Public Health and Environmental Risk Assessment and Mitigation Plan Annexure 2 – Site risk assessment. 			

			owing distance to sensitive receptors. re of Harvey, Noise assessment given	
Scope of application/assessment				
		 Licence to complete removal of material over next two years allowing; the placement of mobile crushing and screening plant on the premises: operating Bulldozer, Excavator, Front end loader Building of haulage roads and clearing of site. For the crushing and screening of limestone, and stockpiling of lime sand for agricultural purposes. 		
Category number/s (activities that ca Table 1: Prescribed premises category		the premises to become p	rescribed premises)	
Prescribed premises category and description	Proposed production or design capacity			
<i>Category 12:</i> 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.	Estimated around 100 days per year crushing and screening at 8 hours per day (52 000t/year). <u>Need to Check with Shire of Harvey for Planning Development approval</u> <u>conditions stated in Application supporting document.</u>			
Legislative context and other approv	/als			
Has the applicant referred, or do they intend to refer, their proposal to the El under Part IV of the EP Act as a significant proposal?	PA	Yes 🗆 No 🖂	Not assessed under Part IV ⊠	
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?		Yes 🗆 No 🖂	No Ministerial statement	
Has the proposal been referred and/or assessed under the EPBC Act?		Yes 🗆 No 🖂	No clearing proposed therefore no EPBC Act referral.	
Has the applicant demonstrated occupancy (proof of occupier status)?		Yes 🛛 No 🗆	Certificate of title \boxtimes and lease agreement with another owner. No timeframe specified on agreements.	
Has the applicant obtained all relevant planning approvals?		Yes 🛛 No 🗆 N/A 🗆	Stated in 7.5 Planning Approval has been granted – copies requested	
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?		Yes 🛛 No 🗆	CPS6886/1(Exp 31/12/2027 for Lot 55) & CPS6778/1(Exp 14/05/2026 for Lot 3618) & CPS5576/1 & CPS3764/2	
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?		Yes 🗆 No 🖂	Not in proclaimed CAWS catchment.	
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?		Yes 🗆 No 🖂	Not required. (S6.5) <u>South West Regional Office confirm</u> <u>a GWL has been applied for by the</u> <u>Applicant.</u>	

Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes □ No ⊠	Not applicable.
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes 🗆 No 🖂	Not in a gazetted PDWSA
Is the Premises subject to any other Acts or subsidiary regulations (e.g. Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act)	Yes □ No ⊠	Marked as not applicable (S7.9)
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes 🗆 No 🖂	Not in an EPP Area
Is the Premises subject to any EPP requirements?	Yes □ No ⊠	See above
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes □ No ⊠	Not classified as Contaminated Site