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Assessment Report

Mining Lease Application

Alexandrina Quarry



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Acknowledgement of Country

As guests here on Kaurna land, we acknowledge everything this department does impacts on Aboriginal country, the sea, the sky, its people and the spiritual and cultural connection which have existed since the first sunrise. Our responsibility is to share our collective knowledge, recognise a difficult history, respect the relationships made over time, and create a stronger future. We are ready to walk, learn and work together.

Date:	Comment:
August 2025	First Version

Contents

1. APPLICATION INFORMATION	4
2. APPLICATION VALIDITY ASSESSMENT	4
3. APPLICANT'S CONSULTATION.....	4
4. STATUTORY AND TECHNICAL REFERRALS.....	4
4.1 Statutory Referrals	4
4.2 Technical Referrals	5
G) STATUTORY PUBLIC CONSULTATION	5
H) APPLICANT'S RESPONSE DOCUMENT	5
I) APPLICATION ASSESSMENT.....	5
J) NOTIFICATION OF PROPOSED TERMS AND CONDITIONS.....	6
K) CONCLUSIONS AND RECOMMENDATIONS.....	6
L) APPLICATION AND ASSESSMENT METRICS	7
Appendix 1 – Application Validity Assessment.....	8
Appendix 2 – Assessment of Applicant's Consultation	10
Appendix 3 - Statutory Public Consultation	11
Appendix 4 – Application Assessment.....	12
Appendix 5- Recommended Terms, Conditions and Requirements	24
FIRST SCHEDULE	25
ADDITIONAL TERMS	25
Authorised Mining Operations	25
SECOND SCHEDULE ADDITIONAL CONDITIONS.....	26
INDEX TO SECOND SCHEDULE (ADDITIONAL CONDITIONS) Condition No. .	26
Commencement of Operations.....	26
Continuation of Operations.....	26
Other Legislation.....	27
FOURTH SCHEDULE.....	28
ENVIRONMENTAL OUTCOMES, CRITERIA AND STRATEGIES.....	28

Application information

Applicant:	HP Resources SA Pty Ltd
Project Name:	Alexandrina Quarry (noted originally as Erimar Quarry in the Mining Lease Application)
Project Location:	Hartley Area – approximately 15 km NE of Strathalbyn
Application Type:	Mining Lease (ML)
Primary Commodities:	Extractive Mineral: limestone and sand
Application Submission Date:	6 December 2022

1. Application validity assessment

At the time of submission, the application complied with all the necessary requirements of the *Mining Act 1971* (the Act) and Mining Regulations 2020 (the Regulations) and was **assessed as valid**. Refer to **Appendix 1** for the assessment.

2. Applicant's consultation

The applicant has complied with the legislative requirements to undertake consultation on their application and mining proposal and set out the results of that consultation within the proposal document. Refer to **Appendix 2** for the assessment.

3. Statutory and technical referrals

1.1 4.1 Statutory Referrals

The application area does not fall within a specially protected area as defined by section 6 and 56G of the Act, and no statutory referrals were required under the Act.

The application area does not fall within a Regional Reserve and no statutory referrals were required under the *National Parks and Wildlife Act 1972*.

In accordance with the Planning Development and Infrastructure Act 2016, the lease application falls within an area defined by Schedule 14 of the associated Planning Development and Infrastructure regulations. Hence, DEM referred the application to the Department for Infrastructure and Transport for their comment.

- The outcome of the referral was that the proposal was reviewed by a delegate of the Minister for Planning against current planning instruments and advised there is no objection to the proposal, noting that processes under the *Mining Act 1971* will seek to appropriately manage potential impacts relating to the establishment, operation

and rehabilitation of the land under a licensing regime. The adoption of an appropriate management and rehabilitation plan is therefore supported.

1.2 4.2 Technical Referrals

The following technical contributions were sought from within government:

- a) Environment Protection Authority – Air quality, noise, surface water quality, groundwater quality, waste
- b) Department for Environment and Water – Native vegetation, native fauna, surface water
- c) Department of Premier and Cabinet – Aboriginal heritage
- d) Department for Energy and Mining – Exploration, compliance, mine rehabilitation and closure, geological survey and groundwater
- e) Local Councils – Council roads and infrastructure

f) Statutory public consultation

A four week statutory public consultation in accordance with section 56H of the Act was undertaken as per the details in **Appendix 3**. Eleven public submissions were received. The submissions were provided to the applicant on 27/11/2023 and published on DEMs website.

g) Applicant's response document

In accordance with section 56H(4) and 36(2) of the Act a response document was required and was submitted by the applicant on 24/04/2024.

The Response Document was reviewed and determined to be suitable and appropriate for the purpose of assessing the application.

h) Application assessment

In accordance with section 56ZA of the Act, this report sets out the Minister's assessment in relation to all Act and Regulation requirements. See **Appendix 4** for the details of the assessments.

The key assessment outcomes are:

- The proposed lease area can be effectively and efficiently mined.
- Appropriate environmental outcomes will be able to be achieved and are recommended to be prescribed in the fourth schedule of the lease (see **Appendix 5** for the recommended terms, conditions and requirements).
- In determining the recommended terms, conditions and requirements of the lease, it has been assessed that:

- Sufficient investigations have been undertaken.
- 11 Public submissions and the applicants response document have been considered.
- All aspects of the environment that may be affected have been assessed and appropriate outcomes set.
- Lawful activities that may be affected have been assessed and appropriate outcomes set (refer to **Appendix 5**)
- Any Aboriginal sites or objects within the meaning of the Aboriginal Heritage Act 1988 that may be affected have been assessed and appropriate outcomes set to ensure protection of aboriginal heritage
- Specific terms and conditions resulting from the assessment are set out in First and Second Schedules of the Lease (refer to **Appendix 5**).
- The length of the lease is recommended to be 21 years which takes into consideration the time to prepare the operational program, construction, operation, rehabilitation, closure and post closure monitoring and mine completion.

i) Notification of proposed terms and conditions

HP Resources SA Pty Ltd was notified of the proposed terms and conditions of the ML on 24/06/2025. HP Resources SA Pty Ltd provided a response to the notification on 18/07/2025 and did make a submission on the proposed terms and conditions.

j) Conclusions and recommendations

On the basis of the application, mining proposal, response document and this assessment report, in accordance with delegated Ministerial powers the Delegate of the Minister approved the application to grant a lease to HP Resources SA Pty Ltd for the recovery of extractive minerals for a term of 21 years in accordance with the recommended terms, conditions and requirements identified in Appendix 5 of this assessment report.

k) Application and Assessment metrics

Item	Date
Mineral Claim pegged and application	Pegged 15/11/2021 Application 29/11/2021
Mineral Claim registered	08/12/2021
Mining Lease application	06/12/2022
Application assessed to be valid	17/01/2023
Commencement of statutory public consultation	27/07/2023
End of statutory public consultation	24/08/2023
Request for Response Document	27/11/2023
Response Document submitted	24/04/2024
Response Documents accepted	29/01/2025
Regulation 33 notification of proposed terms and conditions	24/06/2025
Decision made – Grant ML 6563	4/08/2025

Appendix 1 – Application Validity Assessment

Validity Requirement	Assessment	Legislation
<u>Tenure</u> - The applicant must hold the required Act tenure to make an application.	The applicant is the holder of MC 4541 allowing a mining lease application to be validly made in respect of the whole or part of land comprised in MC 4541.	Act section 34(1)
<u>Notices, Consents and Agreements</u> - The applicant must have complied with notice, consent and agreement requirements.	<u>Act section 58A(14)</u> – notices not required if authorised by an agreement <u>Act section 82</u> – Deemed consent – relates to landowner applicants, and can override the need for other notices, consents or agreements	Act Part 9 - Notices Act section 58A(14) Act section 82
<u>Timeframe</u> - The application must be made within the legislative timeframe.	A valid application was made within 12 months of the MC registration of 08/12/2021 .	Act section 26
<u>Fee</u> - The application must be accompanied by the correct prescribed fee.	The following prescribed fees accompanied the application and are correct: Base Component: \$1,819 Advertising Component: \$982 Assessment Component: \$6,050	Act section 36(1)(e)
<u>Form</u> - The application must be made in the determined manner and form.	The application correctly used the determined Form 10 and the completed form included all of the required information.	Act section 36(1)(a)
<u>Boundaries</u> - The application must correctly identify the boundaries of the proposed lease.	The application correctly identified the boundaries of the land in respect of which the lease is being sought in accordance with the requirements of section 56E of the Act. The location of the lease is identified by a survey plan provided by the applicant.	Act section 36(1)(b) and Act section 56E
<u>Determined Terms of Reference</u>	This application was prepared in accordance with determined Terms of	Act section 36(1)(a) Regulation 30(2) Regulation 46(7)(e)

Validity Requirement	Assessment	Legislation
	Reference TOR 003 which is the standard TOR for extractive minerals.	
<u>Mining Proposal</u> - The application must be accompanied by a mining proposal that meets the legislative requirements.	The application was accompanied by a mining proposal. The mining proposal included sufficient information to satisfy the requirements of the Act, Regulations and determined Terms of Reference 003.	Act section 36(1)(c) Regulation 46 Regulation 47
<u>Other information</u> - The application must be accompanied by such other information prescribed by the Regulations.	The application included information prescribed by the Regulations to support a valid application.	Act section 36(1)(d) Regulation 30
<u>Declaration of accuracy</u> to accompany application.	The application included an appropriate declaration of accuracy signed by the applicant declaring that the signatory has taken reasonable steps to review the information in the application and to ensure its accuracy.	Regulation 84

Appendix 2 – Assessment of Applicant’s Consultation

Assessment Requirement	Assessment	Legislation
The Proposal must set out the <u>results of the consultation</u> undertaken in connection with the proposed operations in accordance with the regulations	Section 5 of the Proposal sets out the applicants results of consultation.	Act section 36(1)(c)(iv)
The consultation on the Proposal should focus on <u>engagement on environmental outcomes</u>	Section 5 of the Proposal sets out the results of the applicants consultation that focuses on the environmental outcomes.	Regulation 47(2)(a)(i)
The consultation on the Proposal must demonstrate reasonable steps have been taken to <u>consult with the owner of land</u> where the authorised operations are proposed to be carried out	Section 5 of the Proposal sets out the applicants results of consultation with the owner(s) of land.	Regulation 47(2)(a)(ii)
The results of consultation on the Proposal must set out the person(s) consulted, any <u>issues of concern</u> raised, and the steps (if any) taken or proposed to be taken to address those concerns	Section 5 of the Proposal sets out the applicants results of consultation including issues raised and steps to address concerns.	Regulation 47(2)(b)
Consultation requirements set out in <u>Terms of Reference</u>	Section 5 of the Proposal sets out information that addressed the consultation requirements set out in the TOR.	TOR003

Appendix 3 - Statutory Public Consultation

Assessment Requirement	Assessment	Legislation
The Minister must ... give notice of the application— (a) to the owner of the land to which the application relates; and (b) if the land is within the area of a council—to the council.	Notice of the application was provided to the owner(s) of land and the council on 8/12/2022.	Act section 56H(2)
The Minister must publish ... a notice— (a) describing the land to which the application relates and, if relevant, the particular stratum in relation to which the tenement would be, or has been, granted (as the case requires); and (b) specifying a place where the application may be inspected; and (c) inviting written submissions in relation to the application to the Minister within a time specified in the invitation.	Statutory notices specifying a 4 week consultation period for written public submissions were published as follows: 1) Government Gazette – 27/07/2023 2) DEM Website – 25/07/2023 3) Advertiser – 27/07/2023 11 public submissions were received and are available on the DEM website.	Act section 56H(3)
The Minister— (a) must give to the applicant a copy of any public submission received; and (b) may require the applicant to respond to any matter raised in any such public submission within a period specified by the Minister.	Copies of the 11 public submissions were provided to the applicant on 27/11/2023 and are available on the DEM website. A Response Document was required with a due date of 27/02/2024. The applicant submitted a response document on 24/04/2024.	Act section 56H(4)

Appendix 4 – Application Assessment

Assessment Requirement	Assessment	Legislation
Minister must not grant a mining lease unless the Minister is satisfied that appropriate environmental outcomes will be able to be achieved.	<p>The MP, public submissions and response document have been assessed and appropriate environmental outcomes will be able to be achieved and are recommended to be prescribed in the lease (see Appendix 5 for the recommended terms, conditions and requirements).</p> <p>All potential impact events have been identified and appropriately investigated. Outcomes are required for those impact events where the source, pathway and receptor are confirmed and the consequence of the impact prior to controls is significant. The control strategies proposed to mitigate potential impacts are set out in section 7 of the MP and have been assessed to be effective in achieving the outcomes. The environmental outcome is a statement of the level of impact subsequent to control strategies.</p>	Act section 37(1)(a)(ii)
Minister must not grant a mining lease if the Minister considers that sufficient investigations have not been carried out in order to ... determine the terms and conditions.	The MP and response document contain sufficient investigations to enable the determination of the recommended lease terms, conditions and requirement (Appendix 5).	Act section 37(1)(b)
If an application to which this section applies relates to an area within the Murray-Darling Basin, the Minister must ... take into account the objects of the <i>River Murray Act 2003</i> and the Objectives for a Healthy River Murray under that Act.	<p>In accordance with section 56F of the Act, the lease application relates to an area within the Murray-Darling Basin, and the objects of the River Murray Act 2003 and the Objectives for a Healthy River Murray under that Act have been considered as part of the assessment.</p> <p>The environmental outcomes recommended to be prescribed to the lease will ensure the objects and objectives are met.</p>	Act section 56F
If an application to which this section applies relates to an area within or adjacent to a specially protected area, the Minister must ... refer the application to the relevant	In accordance with section 56G of the Act, the lease application relates to an area within or adjacent to a specially protected area (in accordance with section 56G of the Act) hence no statutory referrals were required under the Act.	Act section 56G

Assessment Requirement	Assessment	Legislation
<p>Minister and consult with the relevant Minister in relation to the matter.</p> <p>Specially protected area means— (a) the Adelaide Dolphin Sanctuary; or (b) a Marine Park; or (c) a River Murray Protection Area;</p>		
<p>Other statutory referrals</p>	<p>The application falls within an area defined by Schedule 14 (Mineral Production Tenement Areas) of the Planning Development and Infrastructure (General) Regulations 2017 hence DEM referred the application to the Department for Infrastructure and Transport for comment.</p> <p>The outcome of the referral was that the proposal was reviewed by a delegate of the Minister for Planning against current planning instruments and advised there is no objection to the proposal.</p> <p>The application area did not fall within a Regional Reserve that would require a statutory referral under the <i>National Parks and Wildlife Act 1972</i>.</p>	
<p>In determining whether or not to grant an application ... and, if so, the terms and conditions on which it should be granted, the Minister must have regard to any public submissions or applicant response document received under s56H subsection (3) or (4).</p>	<p>11 public submissions were received. The applicant provided a response document in response to those public submissions. Summary of the key matters raised in the public submissions were:</p> <ol style="list-style-type: none"> 1. <u>Noise</u> – <ul style="list-style-type: none"> - Noise from mining on residents including cumulative impact with Goolwa Quarry - Noise impacts on wildlife re-established in the area through wildlife corridors though bush revegetation and in the North Bremer River. - Noise management and monitoring, particularly from operating hours, traffic and noisy exhaust brakes from trucks. 	<p>Act section 56H(6)</p>

Assessment Requirement	Assessment	Legislation
	<p>Applicant Response:</p> <ul style="list-style-type: none"> - Noise levels from mining to meet Environment Protection (Noise) Policy 2007 and restricted to campaigns and hours of operation. - Noise emissions low impact due to natural topography and distance to sensitive receptors, including North Bremer River ~3.75km away. - Reversing alarms and beepers have been selected to reduce noise disturbance. <p>2. <u>Access, safety and traffic</u></p> <ul style="list-style-type: none"> - Legal agreement with Clay and Mineral Sales required for access on EML 6522 to ensure hours of access, safety at access points, waste management, dust and noise management, safety, public liability, tarping and maximum speed limits. - Public safety impacts on North Bremer Road including due to traffic and truck movements particularly for school pick up and drop off. - Public safety from exiting trucks and roadside trees limiting visibility, traffic hazard intersection Callington and Chauncey's Line Roads, dust and noise associated with truck movements and increased traffic from mining. - Impacts from increase in traffic and truck movements on sheep movements along and over Chauncey's Line Road and communication protocol with adjacent landholders. - Wear and tear from heavy vehicles on unsealed areas of Chauncey's Line Road. - Confirmation of truck movements and whether 15-20 movements specified in the MP will result in 30-40 movements per day (delivery and transport out). Concerned movements understated as 	

Assessment Requirement	Assessment	Legislation
	<p>proposed annual production would result in ~45 truckloads per day.</p> <ul style="list-style-type: none"> - Justification for access route and whether alternative access routes considered. - Control strategies to be implemented to reduce traffic risks. <p>Applicant Response:</p> <ul style="list-style-type: none"> - Consultation with landowner and Clay and Mineral Sales on details of the proposed access road to be partially located within EML 6522. Outcomes of negotiations to be formalised within an agreement with all parties should a ML be granted. - No truck movements along North Bremer Road. - Access to the mine will be via Chauncey’s Line Road and no heavy vehicle or regular site access undertaken through Erimar Road. - Traffic data indicates Chauncey’s Line Road accounts for 39 percent of commercial traffic with an average day comprising 38 vehicles total. Erimar Quarry will contribute to an increase between 10 to 14 percent depending on annual demand. The Alexandra Council has been consulted and will be consulted regarding Chauncey’s Line Road. - Traffic will depend on supply and demand and haul capacity and based on ~400T per day and ~15-20 trucks per day. - Site entry/exit via Clay Mineral Sales access point onto Chauncey’s Line road with traffic signage erected to mitigate traffic incidents, no heavy vehicle or regular site access will occur through Erimar Road. 	

Assessment Requirement	Assessment	Legislation
	<ul style="list-style-type: none"> - The applicant is engaging with Council regarding site access and road use. - Road design will consider formation and drainage requirements. - Public safety including the Chauncey’s Line Rd and Callington Rd intersection, traffic, road width and roadside vegetation are matters for the Council and DIT. - For stock movement truck drivers can be notified on UHF by loader operator and/or by signage at the weighbridge. <p>3. <u>Adjacent land use</u></p> <ul style="list-style-type: none"> - Increase of fire risk to adjacent land users and emergency accessibility, and limitations to current water available to manage fires if they occur. - Impact of dust on adjoining cropping and grazing activities causing contamination. - Impacts from dust on cropping and nutrient absorption and weed chemical uptake <p>Applicant Response:</p> <ul style="list-style-type: none"> - Firefighting equipment onsite (fire extinguishers, emergency response plans and preparedness), CFS access to site enabled and CFS use of onsite water storage. - For impacts of dust on adjoining cropping land and nutrient absorption states within typical rural setting and will manage dust with control measures. Nuisance dust is likely to be main source not finer dust particles. <p>4. <u>Surface water</u></p> <ul style="list-style-type: none"> - Dust impacts on the North Bremer River. - Water runoff on the eastern side where access road proposed (adjacent to landholders) during thunderstorms that have historically caused erosion in 	

Assessment Requirement	Assessment	Legislation
	<p>adjacent paddocks. Erosion from water runoff leading to erosion under boundary fence and potential escape of sheep.</p> <p>Applicant Response:</p> <ul style="list-style-type: none"> - North Bremer River ~3.75km West of the site therefore unlikely for dust to impact. - Water would flow south westerly across the Site in the event of a large rainfall resulting on overland flow. Water to be captured in the open pit. - The North Bremer River is located ~3.75Km west of the Site, due to the separation distance there is unlikely to be negative impacts on fauna. - Road design with consider formation and drainage requirements. Erimar Quarries have extensive experience in road building. <p>5. <u>Groundwater</u></p> <ul style="list-style-type: none"> - Impacts to sink holes underneath the surface due to drilling and blasting, noting sinkholes in Hartley area and adjacent paddock 200m from site due to limestone. - Potential for contamination of groundwater. - Concerned for impacts to property (well 6727-2976) not considered in MP. - Impacts to groundwater availability from mining and mine dust control, for existing adjacent users for crops, stock drinking and feed, house use and fire use. - Concerned for cumulative impact with water use of other existing quarries noting Hartley Area does not have access to piped SA Water piped for farming and so rely solely on bores for farming practices. - Requested monitoring for baseline and queried which 	

Assessment Requirement	Assessment	Legislation
	<p>aquifers are present and potential for drawdown impact.</p> <p>Applicant Response:</p> <ul style="list-style-type: none"> - No known sinkholes within or adjacent to site through inspection or consultation. - No GDE in or adjacent to MC, groundwater depth (15m buffer) and separation to surface water and blasting as per Australian Standards. - Water wells in MP described within 1km of mine well for local accuracy of information, with well 6727-2976 ~1.7km from site. - Proposed extraction 6ML unlikely to create impact as located more than 1km from nearest groundwater user. - Main aquifer to draw water from is the Murray Group Limestone Aquifer, as not in a PWRA or PWA limited data is available to support the MP and no formal water monitoring program is in place. <p>6. <u>Dust</u></p> <ul style="list-style-type: none"> - Potential for dust from mining due to low rainfall and wind. - Impact of dust on adjacent cropping land, affecting absorption of nutrient supplements and weed chemicals, leading to a loss in production. - Dust impact, monitoring, control measures such as details around the frequency of dust management including water cart use, and complaints management. <p>Applicant Response:</p> <ul style="list-style-type: none"> - Reduced dust impact due to proximity to receptors 1.2km and implementation of visual monitoring and dust management strategies. - Campaign operations reducing dust impact due to shorter exposure. <p>7. <u>Flora and fauna</u></p>	

Assessment Requirement	Assessment	Legislation
	<ul style="list-style-type: none"> - Impacts to native fauna in the area and adjacent bushland, and basis for data for the native fauna assessment. - Provision of a 5metre wide corridor for animal transversing site and nesting boxes. - Particular concern for Mallee fowl habitat protection and fauna near Bremer River. - Impacts to native fauna from vehicle collisions from mine road traffic. - Frequency of weed control (not limited to once a year). <p>Applicant Response:</p> <ul style="list-style-type: none"> - Lack of significant habitat for wildlife due to historical clearing and land use, no recorded or observed listed species, and native vegetation clearance of degraded grassland with scattered trees retained. - Annual weed spraying campaigns will occur with additional spraying campaigns (e.g. spot spray, bi-annual sprays) undertaken as necessary. - General vermin control may be used if required for pests. <p>8. <u>Blasting</u></p> <ul style="list-style-type: none"> - Impacts to uncased bore from blasting, and notification on blasting suggesting frequency of notification 48 hours before and also 2 hours before blast event. <p>Applicant Response:</p> <ul style="list-style-type: none"> - For blasting events there will be advanced (48 hour) notice for residents on Chaunceys Line Road and Erimar Road and a Blast Management Plan with a communication plan for adjacent landowners. <p>9. <u>Visual amenity</u></p> <ul style="list-style-type: none"> - Visual amenity impacts on three neighbours in full view of stages of operation and timing 	

Assessment Requirement	Assessment	Legislation
	<p>of control measures to reduce visual impact.</p> <ul style="list-style-type: none"> - Lack of understanding of visual impact as MP photos not representative. - Request full screening of southern boundary of site. - Further detail on the campaigns and duration, and proposed site operating hours. - Scheduling and timing of stages proposed. - Queried whether mobile crusher can be kept down lower in stage one operations. <p>Applicant Response:</p> <ul style="list-style-type: none"> - Visual amenity photos collected from publicly accessible indicative locations south of the site, with properties named in submissions located further out. - Stage 3 expected to commence between 5–7 years depending on market demand and information on campaigns, stages and operating hours referred to MP. <p>10. Waste</p> <ul style="list-style-type: none"> - Major concern for C&D waste facility proposed onsite. - Queried definition of C&D waste and what material would be allowed, and associated dust from recycled wastes impacting on neighbouring sheep. - Impacts from C&D waste and the level of recycling activity and business on the site and whether it could become a major part of the business. - Concerned for increased processing activities and noise created by C&D waste and fire risk associated with green waste recycling and stockpiling. - C&D waste import proposal provides only vague details. <p>Applicant Response:</p>	

Assessment Requirement	Assessment	Legislation
	<ul style="list-style-type: none"> - Domestic waste is not intended to be received onsite. - Waste oils stored per Australian Standards and removed periodically. - No tailings, silt dams or process wastes generated from operations. - Domestic waste will not be received onsite and onsite industrial wastes will be removed from site. - Note applicant response provided regarding unprocessed C&D waste and green waste however this is not detailed here as the activities are not authorisable under the Mining Act. <p>11. <u>General</u></p> <ul style="list-style-type: none"> - Incorrect or missing information in the MP document. - Change name of quarry - Use of weather stations that are not representative of Hartley. - Unhappy with operating hours and object to Sunday operations and suggest reduced working hours not allowing 7 days a week of operation. - Suggesting adjacent landholder consultation (group visit) with applicant. - Queried how there will be monitoring of operating and campaign hours. - Queried how closure and transfer of liability of remaining mining stockpiles will occur considering operator is the landholder. - Cumulative impact from mine due to existing mining operations in area. - Impacts to business and property value from mining (such as bed and breakfast). <p>Applicant Response:</p>	

Assessment Requirement	Assessment	Legislation
	<ul style="list-style-type: none"> - Discussion with adjacent landowner on proposed working hours that proposed operational hours would remain 6:00 am – 6:00 pm for crushing and screening during campaigns on the basis that this would reduce the length of campaigns. Adjacent landowner not satisfied with these proposed hours. - Change of name to Alexandrina Quarry. - There is no SAPN connection to the Site and no need to install permanent power due to the short mine life. - Weather data obtained from weather stations that provide frequent and verified data in order to obtain average values noting not all BoM weather stations provide frequent data on all climate aspects. - Campaign timing is likely to be minimum six weeks at any time with extended operating hours proposed to reduce campaign duration and impacts. - No specific response provided regarding cumulative impact however specify noise and dust measures to be implemented. - No response on business and property value impacts. <p>The issues raised in the public submissions and the response to those issues have been considered by DEM as part of the assessment of impacts.</p> <p>Specifically regarding cumulative impacts from other mining leases in the area, DEM assesses that traffic will be managed through the relevant local and state government requirements. DEM considers that potential for other cumulative impacts is likely to be low. This</p>	

Assessment Requirement	Assessment	Legislation
	<p>considers the nature of operations in the area, which is largely campaign based, which will vary the times at which each site will operate and lessen the potential for multiple impact sources simultaneously. This assessment also considers the <i>Mining Act 1971</i> which requires all mining leases to manage impacts relevant to their individual sites to ensure achievement of outcomes.</p> <p>Regarding businesses and property values this potential impact is not an environmental impact. DEM therefore has not assessed this as it is not required to be assessed by the <i>Mining Act 1971</i>.</p> <p>There are recommended environmental outcomes prescribed in the lease (Appendix 5) that relate to the matters raised through public consultation. These includes a recommended additional lease condition to specifically require a Communications protocol, and second schedule lease conditions to address:</p> <ul style="list-style-type: none"> - Air quality outcome - Noise outcome - Blasting outcome and strategy - Visual amenity outcomes - Soil outcome - Public safety outcomes - Traffic outcome and strategy - Land use and third-party property outcome - Heritage outcome - Native fauna outcome - Native vegetation outcome - Weeds and pest outcome - Groundwater outcome, strategy and criteria - Surface water outcome - Waste outcomes and strategy - Post completion land use outcome and strategy <p>The assessment has concluded that these environmental outcomes are appropriate and that the applicant has proposed control strategies that would</p>	

Assessment Requirement	Assessment	Legislation
	be effective in achieving those outcomes.	
<p>The Minister must, in determining the terms and conditions ... give proper consideration to—</p> <p>(a) any aspect of the environment that may be affected by the conduct of authorised operations under the tenement; and</p> <p>(b) any other lawful activities that may be affected by those authorised operations; and</p> <p>(c) any Aboriginal sites or objects within the meaning of the <i>Aboriginal Heritage Act 1988</i> that may be affected by those authorised operations</p>	<p>Environmental outcomes are recommended (refer to Appendix 5) that relate to aspects of the environment, lawful activities and aboriginal heritage that may be affected.</p> <p>The assessment has concluded that these environmental outcomes are appropriate and that the applicant has proposed control strategies that would be effective in achieving those outcomes.</p>	Act section 56I(2)
<p>A mining lease may be granted for such term as may be determined by the Minister and specified in the lease.</p>	<p>The length of the lease is recommended to be 21 years.</p>	Act section 38(1)
<p>Mining lease is subject to such terms and conditions that may be prescribed and additional terms and condition as the Minister thinks fit.</p>	<p>The following additional lease terms and conditions are recommended (see Appendix 5):</p> <ol style="list-style-type: none"> 1) Term to ensure mining operations are consistent with the Mining Proposal and Response document 2) Conditions for submission of the initial PEPR, commencement of operations and ongoing operations 3) Condition for communications protocol 4) Condition for complying with other legislation 	Act section 35(3)

Appendix 5- Recommended Terms, Conditions and Requirements

FIRST SCHEDULE**ADDITIONAL TERMS**

Explanatory note: A term is a clause that gives a right to a Mineral Tenement.

Authorised Mining Operations

1. The grant of the Mineral Tenement authorises mining operations for the recovery of minerals, including but not limited to:
 - 1.1 Limestone
 - 1.2 Sand

The grant of the Mineral Tenement authorises mining operations that are consistent with the mining operations described in the Mining Proposal document dated 2 June 2023 and subsequent Response Document dated 24 April 2024.

SECOND SCHEDULE

ADDITIONAL CONDITIONS

Explanatory note: A condition is a clause that imposes a restriction on a Mineral Tenement.

INDEX TO SECOND SCHEDULE (ADDITIONAL CONDITIONS)	Condition No.
Submission of Proposed Program _____	1-2
Commencement of Operations _____	3
Continuation of Operations _____	4
Communication Protocol.....	5-6
Other Legislation _____	7

Submission of Proposed Program

1. The Tenement Holder must submit a Proposed Program for the purpose of Part 10A of the Act within 12 months after the grant of the Mineral Tenement or within such longer period of time as the Minister may allow.
2. The Tenement Holder must include in a Proposed Program the information within the Fourth Schedule of the Lease pursuant to Section 70B(2)(d) of the Act.

Commencement of Operations

3. The Tenement Holder must commence mining operations in accordance with the Approved PEPR under Part 10A of the Act within 12 months after the Program has been approved or within such longer period as the Minister may allow.

Continuation of Operations

4. After commencement of mining operations, the Tenement Holder must continue mining operations in accordance with the requirements of the Approved PEPR or any subsequent revised PEPR.

Communications Protocol

5. The Tenement Holder must develop (to the satisfaction of the Minister or a person authorised by the Minister) a communication and operating protocol between itself and owners of land adjacent to the Land prior to the commencement of mining operations that includes the following matters:
 - 5.1. Interaction with adjacent landholder operations;
 - 5.2. emergency procedures;
 - 5.3. communications and issue management processes;
 - 5.4. dispute resolution;
 - 5.5. ongoing communication about the Tenement Holder's operations;
 - 5.6. receiving and considering feedback;
 - 5.7. safety procedures;
 - 5.8. access protocols; and
 - 5.9. any matters identified by the Minister or a person authorised by the Minister in writing.

6. The Tenement Holder must maintain and adhere to the protocol to the satisfaction of the Minister or a person authorised by the Minister for the term of the Mining Tenement.

Other Legislation

7. The Tenement Holder must comply with all State and Commonwealth legislation and regulations applicable to the activities undertaken pursuant the grant of the Mineral Tenement including (but not limited to) the:
 - 7.1. *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*;
 - 7.2. *National Parks and Wildlife Act 1972 (SA)*;
 - 7.3. *Landscape South Australia Act 2019 (SA)*;
 - 7.4. *Native Vegetation Act 1991 (SA)*;
 - 7.5. *Planning, Development and Infrastructure Act 2016 (SA)*;
 - 7.6. *Road Traffic Act 1961 (SA)*;
 - 7.7. *Environment Protection Act 1993 (SA)*;
 - 7.8. *Aboriginal Heritage Act 1988 (SA)*;
 - 7.9. *Heritage Places Act 1993 (SA)*; and
 - 7.10. *Work Health and Safety Act 2012 (SA)*.

FOURTH SCHEDULE

ENVIRONMENTAL OUTCOMES, CRITERIA AND STRATEGIES

AND ASSOCIATED CRITERIA PURSUANT TO SECTION 70B(2)(b) OF THE *MINING ACT 1971* AND STRATEGIES PURSUANT TO REGULATION 63(1)(b) OF THE *MINING REGULATIONS 2020*

Explanatory note: The Fourth Schedule of this Tenement Document sets out outcomes contemplated in section 70B(2)(b) of the Act, that the Tenement Holder is required to address in any program submitted in accordance with Part 10A of the Act. The Fourth Schedule may also specify requirements for strategies and criteria relevant to the outcomes set out in that Schedule.

INDEX TO FOURTH SCHEDULE

Clause No.

Air Quality Outcome _____	1
Noise Outcome.....	2
Blasting Outcome	3
Blasting Strategy	4
Blasting Criteria	5
Visual Amenity Outcomes.....	6-7
Soil Outcome.....	8
Public Safety Outcomes	9-10
Traffic Outcome.....	11
Traffic Strategy.....	12
Land Use and Third-Party Property Outcome	13
Heritage Outcome	14
Native Fauna Outcome.....	15
Native Vegetation Outcome.....	16
Weeds and Pests Outcome	17
Groundwater Outcome	18
Groundwater Strategy	19
Groundwater Criteria	20
Surface Water Outcome	21
Waste Outcome.....	22

Waste Derived Fill Outcome 23
Post Completion Land Use Outcome..... 24

Air Quality Outcome

1. The Tenement Holder must, during construction, operation and post completion, ensure that there are no public nuisance impacts to local residents from air emissions or dust generated by mining operations.

Noise Outcome

2. The Tenement Holder must, during construction and operation, ensure that there are no public nuisance impacts from noise emanating from the Land.

Blasting Outcome

3. The Tenement Holder must, during construction and operation, ensure that there are no public health and/or nuisance impacts from airblast, flyrock and vibration caused by blasting.

Blasting Strategy

4. Tenement Holder is required to address the following matters for the purposes of Regulation 63(1)(b) of the Regulations in relation to the Fourth Schedule Clause 3:
 - 4.1. Develop strategies to mitigate ground vibration and flyrock.

Blasting Criteria

5. Tenement Holder is required to address the following matters for the purposes of Regulation 63(1)(c) of the Regulations in relation to the Fourth Schedule Clause 3:
 - 5.1. Establish criteria to monitor ground vibration and flyrock.

Visual Amenity Outcomes

6. The Tenement Holder must, during construction and operation, ensure that visual amenity impacts for sensitive receptors are minimised as much as reasonably practical.
7. The Tenement Holder must ensure post completion that all rehabilitated landforms integrate and harmonise with the surrounding landscape.

Soil Outcome

8. The Tenement Holder must, during construction and operation ensure that the existing (pre-mining) soil quality and quantity is maintained.

Public Safety Outcomes

9. The Tenement Holder must, during construction and operation, ensure that unauthorised entry to the site does not result in public injuries and or deaths that could have been reasonably prevented.
10. The Tenement Holder must demonstrate that post completion, the risks to the health and safety of the public so far as they may have been affected by mining operations are as low as reasonably practicable.

Traffic Outcome

11. The Tenement Holder must, during construction and operation, ensure that there are no traffic accidents involving the public at mine access points that could have been reasonably prevented by the Tenement Holder.

Traffic Strategy

12. The Tenement Holder is required to address the following matters for the purposes of Regulation 63(1)(b) of the Regulations in relation to the Fourth Schedule Clause 10:
 - 12.1. Develop a traffic management plan.

Land Use and Third-Party Property Outcome

13. The Tenement Holder must, during construction, operation and post completion ensure that there are no adverse impacts to third-party land use or property on or off the Land as a result of mining operations.

Heritage Outcome

14. The Tenement Holder must, during construction and operation, ensure that there is no damage, disturbance or interference to Aboriginal or European heritage sites, objects or remains unless prior approval under the relevant legislation is obtained

Native Fauna Outcome

15. The Tenement Holder must ensure that there are no native fauna injuries or deaths due to mining operations that could reasonably have been prevented.

Native Vegetation Outcome

16. The Tenement Holder must, during construction and operation, ensure no loss of abundance or diversity of native vegetation on or off the Land through clearance unless a significant environmental benefit has been approved in accordance with the relevant legislation.

Weeds and Pests Outcome

17. The Tenement Holder must, during construction and operation and post completion, ensure no introduction of new species of weeds, plant pathogens or pests (including feral animals), nor sustained increase in abundance of existing weed or pest species in the Land compared to adjoining land.

Groundwater Outcome

18. The Tenement Holder must, during construction, operation and post completion, ensure there is no adverse impact to the quantity of groundwater available to existing users as a result of mining operations.

Groundwater Strategy

19. The Tenement Holder is required to address the following matters for the purposes of Regulation 63(1)(b) of the Regulations in relation to the Fourth Schedule Clause 17:

- 19.1. Establish a maximum groundwater extraction rate that does not adversely affect the quantity of water available to other existing groundwater users.

Groundwater Criteria

20. The Tenement Holder is required to address the following matters for the purposes of Regulation 63(1)(c) of the Regulations in relation to the Fourth Schedule Clause 17:

- 20.1 Monitor groundwater extraction to demonstrate the maximum extraction rate is not exceeded.

Surface Water Outcome

21. The Tenement Holder must, during construction, operation and post completion, ensure no surface water contaminated as a result of mining operations leaves the Land.

Waste Outcome

22. The Tenement Holder must, during construction, operation and post completion, ensure no contamination to the environment either on or off the land from commercial, industrial or domestic waste used during mining operations.

Waste Derived Fill Outcome

23. The Tenement holder must, during construction, operation and post completion, ensure no adverse impacts to the environment from waste derived fill brought onto the land as a result of mining operations unless otherwise authorised through the relevant legislation.

Post Completion Land Use Outcome

24. The Tenement Holder must ensure the land is progressively and finally rehabilitated to support the approved future land use.



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