



Appendix 2

Secretary's Environmental Assessment Requirements and Matters Identified for Consideration

(Total No. of pages including blank pages = 50)



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Milbrae Quarries Pty Ltd
Strontian Quarry



Planning,
Industry &
Environment

Planning and Assessments
Energy and Resource Assessments
Contact: Joel Herbert
Phone: 02 8289 6614
Email: joel.herbert@planning.nsw.gov.au

Geoff Pigram
Milbrae Quarries Pty Ltd
PO Box 225
Leeton NSW 2705

gpigram@milbrae.com.au

Dear Mr Pigram

**Planning Secretary's Environmental Assessment Requirements
Strontian Quarry (EAR 1351)**

I refer to your request for the Planning Secretary's Environmental Assessment Requirements (SEARs) for the above development, which is designated local development under Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

Please find attached a copy of the SEARs for the Environmental Impact Statement (EIS) for the proposed development. These requirements have been prepared in consultation with relevant government agencies based on the information your company has provided to date. The agencies' comments are attached for your information (see Attachment 2). You must have regard to these comments in the preparation of the EIS.

In your request for SEARs, you have also indicated that the proposal is classified as integrated development under section 4.46 of the EP&A Act as it requires additional statutory authorisations. You are encouraged to consult with the relevant agencies with respect to licence/approval requirements. If further integrated approvals are required, you must undertake your own consultation with the relevant public authorities, and address their requirements in the EIS.

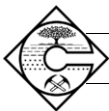
The Department wishes to emphasise the importance of effective and genuine community consultation during the preparation of the EIS. This process should provide the community with a clear understanding of the proposal and its potential impacts and include active engagement with the community regarding key issues of concern.

Please contact the consent authority at least two weeks before you propose to submit your DA. This will enable the consent authority to:

- confirm the applicable fees; and
- determine the number of copies (hard-copy and digital) of the EIS that will be required for reviewing purposes.

If your proposal is likely to have a significant impact on matters of National Environmental Significance, it will also require separate approval under the Commonwealth *Environmental Protection and Biodiversity Conservation Act 1999* (EPBC Act). This approval would be in addition to any approvals required under NSW legislation and it is your responsibility to contact the Commonwealth Department of the Environment and Energy to determine if an approval under the EPBC Act is required (<http://www.environment.gov.au> or 6274 111).

You should contact the Mine Safety branch of the NSW Resources Regulator in regard to this and other matters relating to compliance with the *Work Health and Safety (Mines and Petroleum Sites) Act 2013*.



If you have any enquiries about these requirements, please contact Joel Herbert on the details listed above.

Yours sincerely

Howard Reed 17-7-19
Director, Resource Assessments
Energy and Resource Assessments
As delegate of the Planning Secretary



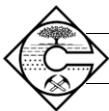
Milbrae Quarries Pty Ltd
Strontian Quarry

Planning Secretary's Environmental Assessment Requirements

Section 4.12(8) of the *Environmental Planning and Assessment Act 1979* and Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*.

Designated Development

EAR Number	EAR 1351
Proposal	Extracting and processing of up to 125,000 tonnes of sandstone per annum over a 30 year period
Location	Sturt Highway, Gillenbah (Lot 134 DP726537, Lot 13 DP726537)
Applicant	Milbrae Quarries Pty Ltd
Date of Issue	17 July 2019
Date of Expiry	17 July 2021
General Requirements	<p>The Environmental Impact Statement (EIS) for the development must comply with the requirements in Clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>.</p> <p>In particular, the EIS must include:</p> <ul style="list-style-type: none"> • an executive summary; • a comprehensive description of the development, including: <ul style="list-style-type: none"> - a detailed site description and history of any previous quarrying on the site, including a current survey plan; - identification of the resource, including the amount, type, composition; - the layout of the proposed works and components (including any existing infrastructure that would be used for the development); - an assessment of the potential impacts of the development, as well as any cumulative impacts, including the measures that would be used to minimise, manage or offset these impacts; - a detailed rehabilitation plan for the site; - any likely interactions between the development and any existing/approved developments and land uses in the area, paying particular attention to potential land use conflicts with nearby residential development; - a list of any other approvals that must be obtained before the development may commence; - the permissibility of the development, including identification of the land use zoning of the site; - identification of sensitive receivers likely to be affected by the development using clear maps/plans, including key landform areas, such as conservation areas and waterways; • a conclusion justifying why the development should be approved, taking into consideration: <ul style="list-style-type: none"> - alternatives; - the suitability of the site; - the biophysical, economic and social impacts of the project, having regard to the principles of ecologically sustainable development; and - whether the project is consistent with the objects of the <i>Environmental Planning and Assessment Act 1979</i>; and • a signed declaration from the author of the EIS, certifying that the information contained within the document is neither false nor misleading.
Consultation	<p>In preparing the EIS for the development, you should consult with relevant local, State or Commonwealth Government authorities, infrastructure and service providers and any surrounding landowners or Crown land stakeholders that may be impacted by the development.</p> <p>The EIS must describe the consultation that was carried out, identify the issues raised during this consultation, and explain how these issues have been addressed in the EIS.</p>

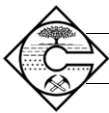


Key Issues	
	<p>The EIS must assess the potential impacts of the proposal at all stages of the development, including the establishment, operation and decommissioning of the development.</p> <p>The EIS must address the following specific issues:</p> <ul style="list-style-type: none">• Noise – including a quantitative assessment of potential:<ul style="list-style-type: none">- construction and operational noise and off-site transport noise impacts of the development in accordance with the <i>Interim Construction Noise Guideline, NSW Noise Policy for Industry and NSW Road Noise Policy</i> respectively;- reasonable and feasible mitigation measures to minimise noise emissions; and- monitoring and management measures;• Blasting & Vibration – including;<ul style="list-style-type: none">- a description of the proposed blasting hours, frequency and methods; and- an assessment of the likely blasting and vibration impacts of the development, having regard to the relevant ANZEC guidelines and paying particular attention to impacts on people, buildings, livestock, infrastructure and significant natural features;• Air – including an assessment of the likely air quality impacts of the development in accordance with the <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW</i>. The assessment is to give particular attention to potential dust impacts on any nearby private receivers due to construction activities, the operation of the quarry and/or road haulage;• Water – including:<ul style="list-style-type: none">- a detailed site water balance and an assessment of any volumetric water licensing requirements, including a description of site water demands, water disposal methods (inclusive of volume and frequency of any water discharges), water supply infrastructure and water storage structures;- identification of any licensing requirements or other approvals required under the <i>Water Act 1912</i> and/or <i>Water Management Act 2000</i>;- demonstration that water for the construction and operation of the development can be obtained from an appropriately authorised and reliable supply in accordance with the operating rules of any relevant Water Sharing Plan (WSP)- a description of the measures proposed to ensure the development can operate in accordance with the requirements of any relevant Water Sharing Plan or water source embargo;- an assessment of activities that could cause erosion or sedimentation issues, and the proposed measures to prevent or control these impacts;- an assessment of any likely flooding impacts of the development;- an assessment of potential impacts on the quality and quantity of existing surface and ground water resources;- a detailed description of the proposed water management system, water monitoring program and other measures to mitigate surface and groundwater impacts;• Biodiversity – including:<ul style="list-style-type: none">- accurate predictions of any vegetation clearing on site;- a detailed assessment of the potential biodiversity impacts of the development, paying particular attention to threatened species, populations and ecological communities and groundwater dependent ecosystems undertaken in accordance with Sections 7.2 and 7.7 of the <i>Biodiversity Conservation Act 2016</i>; and- a detailed description of the proposed measures to maintain or improve the biodiversity values of the site in the medium to long term, as relevant.• Heritage – including:<ul style="list-style-type: none">- an assessment of the potential impacts on Aboriginal heritage (cultural and archaeological), including evidence of appropriate consultation with relevant Aboriginal communities/parties and documentation of the views of these stakeholders regarding the likely impact of the development on their cultural heritage; and- identification of Historic heritage in the vicinity of the development and an assessment of the likelihood and significance of impacts on heritage items, having regard to the relevant policies and guidelines listed in Attachment 1;• Traffic & Transport – including:<ul style="list-style-type: none">- accurate predictions of the road traffic generated by the construction and operation of the development, including a description of the types of vehicles likely to be used for transportation of quarry products;- an assessment of potential traffic impacts on the capacity, condition, safety and efficiency of the local and State road networks, detailing the nature of the traffic generated, transport routes, traffic volumes and potential impacts on local and regional roads;- a description of the measures that would be implemented to maintain and/or improve the capacity, efficiency and safety of the road network (particularly the proposed transport routes) over the life of the development;- evidence of any consultation with relevant roads authorities, regarding the establishment of agreed contributions towards road upgrades or maintenance; and- a description of access roads, specifically in relation to nearby Crown roads and fire trails;• Land Resources – including an assessment of:



Milbrae Quarries Pty Ltd
Strontian Quarry

	<ul style="list-style-type: none"> - potential impacts on soils and land capability (including potential erosion and land contamination) and the proposed mitigation, management and remedial measures (as appropriate); - potential impacts on landforms (topography), paying particular attention to the long-term geotechnical stability of any new landforms (such as overburden dumps, bunds etc); and - the compatibility of the development with other land uses in the vicinity of the development, in accordance with the requirements of Clause 12 of <i>State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007</i>; • Waste – including estimates of the quantity and nature of the waste streams that would be generated or received by the development and any measures that would be implemented to minimise, manage or dispose of these waste streams; • Hazards – including an assessment of the likely risks to public safety, paying particular attention to potential bushfire risks, and the transport, storage, handling and use of any hazardous or dangerous goods; • Visual – including an assessment of the likely visual impacts of the development on private landowners in the vicinity of the development and key vantage points in the public domain, including with respect to any new landforms; • Social & Economic – an assessment of the likely social and economic impacts of the development, including consideration of both the significance of the resource and the costs and benefits of the project; and • Rehabilitation – including: <ul style="list-style-type: none"> - a detailed description of the proposed rehabilitation measures that would be undertaken throughout the development and during quarry closure; - a detailed rehabilitation strategy for the site, including justification for the proposed final landform and consideration of the objectives of any relevant strategic land use plans or policies; and - the measures that would be undertaken to ensure sufficient financial resources are available to implement the proposed rehabilitation strategy, recognising that a rehabilitation bond will likely be required as a condition of any future development consent.
<p>Environmental Planning Instruments</p>	<p>The EIS must take into account all relevant State Government environmental planning instruments, guidelines, policies, and plans. While not exhaustive, Attachment 1 contains a list of some of the environmental planning instruments, guidelines, policies and plans that may be relevant to the environmental assessment of this development.</p> <p>During the preparation of the EIS you must also consult the Department’s EIS Guideline – Extractive Industries – Quarries. This guideline is available at http://www.planning.nsw.gov.au/~media/Files/DPE/Guidelines/extractive-industries-quarries-eis-guideline-1996-10.ashx.</p> <p>In addition, the EIS must assess the development against the <i>Narrandera Local Environmental Plan (LEP) 2013</i> and any relevant development control plans/strategies.</p>



ATTACHMENT 1

The following guidelines may assist in the preparation of the Environmental Impact Statement. This list is not exhaustive and not all of these guidelines may be relevant to your proposal.

Many of these documents can be found on the following websites:

<http://www.planning.nsw.gov.au>

<http://www.bookshop.nsw.gov.au>

<http://www.publications.gov.au>

Environmental Planning Instruments, Policies, Guidelines & Plans

Environmental Planning Instruments - General	
	State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
	State Environmental Planning Policy (State and Regional Development) 2011
	State Environmental Planning Policy (Infrastructure) 2007
	Narrandera Local Environmental Plan 2013
Risk Assessment	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
Land	
	State Environmental Planning Policy No. 55 – Remediation of Land
	Agricultural Land Classification (DPI)
	Rural Land Capability Mapping (OEH)
	Soil and Landscape Issues in Environmental Impact Assessment (NOW)
	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC)
	Guidelines for Consultants Reporting on Contaminated Sites (EPA)
	Agricultural Issues for Extractive Industry Development (DPI)
Water	
Groundwater	NSW Aquifer Interference Policy 2012 (NOW)
	NSW State Groundwater Policy Framework Document (NOW)
	NSW State Groundwater Quality Protection Policy (NOW)
	NSW State Groundwater Quantity Management Policy (NOW)
	Australian Groundwater Modelling Guidelines 2012 (Commonwealth)
	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	Guidelines for the Assessment & Management of Groundwater Contamination (EPA)
Surface Water	NSW State Rivers and Estuary Policy (NOW)
	NSW Government Water Quality and River Flow Objectives (EPA)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (EPA)
	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (EPA)
	Managing Urban Stormwater: Soils & Construction (Landcom) and associated Volume 2E: Mines and Quarries (DECC)
	Managing Urban Stormwater: Treatment Techniques (EPA)
	Managing Urban Stormwater: Source Control (EPA)
	Technical Guidelines: Bunding & Spill Management (EPA)
	A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)
	NSW Guidelines for Controlled Activities (NOW)
Flooding	Floodplain Development Manual (OEH)
	Floodplain Risk Management Guideline (OEH)
Biodiversity	
	Biodiversity Assessment Method (OEH 2017)



	<p>Guidance and Criteria to assist a decision maker to determine a serious and irreversible impact (OEH 2017)</p> <p>Ancillary rules: Biodiversity conservation actions</p> <p>Ancillary rules: Reasonable steps to seek like-for-like biodiversity credits for the purpose of applying variation rules</p> <p>NSW Guide to Surveying Threatened Plants (OEH 2016)</p> <p>Threatened Species Survey and Assessment Guidelines: Field Survey Methods for Fauna – Amphibians (DECC 2009)</p> <p>Threatened Biodiversity Survey and Assessment: Guidelines for Developments and Activities – Working Draft (DEC 2004)</p> <p>Threatened Species Assessment Guideline – The Assessment of Significance (DECC 2007)</p> <p>OEH principles for the use of biodiversity offsets in NSW</p> <p>NSW State Groundwater Dependent Ecosystem Policy (NOW)</p>
Heritage	<p>The Burra Charter (The Australia ICOMOS charter for places of cultural significance)</p> <p>Guide to investigation, assessing and reporting on Aboriginal cultural heritage in NSW (OEH) 2011</p> <p>Aboriginal Cultural Heritage Consultation Requirements for Proponents (OEH)</p> <p>Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (OEH)</p> <p>Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (OEH)</p> <p>NSW Heritage Manual (OEH)</p> <p>Statements of Heritage Impact (OEH)</p>
Noise & Blasting	<p>NSW Noise Policy for Industry (EPA)</p> <p>Interim Construction Noise Guideline (EPA)</p> <p>NSW Road Noise Policy (EPA)</p> <p>Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration (ANZEC)</p>
Air	<p>Protection of the Environment Operations (Clean Air) Regulation 2002</p> <p>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)</p> <p>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA)</p> <p>Assessment and Management of Odour from Stationary Sources in NSW (DEC)</p> <p>National Greenhouse Accounts Factors (Commonwealth)</p>
Transport	<p>Guide to Traffic Generating Development (RTA)</p> <p>Road Design Guide (RMS) & relevant Austroads Standards</p>
Hazards	<p>State Environmental Planning Policy No. 33 – Hazardous and Offensive Development</p> <p>Hazardous and Offensive Development Application Guidelines – Applying SEPP 33</p> <p>Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis</p> <p>Planning for Bushfire Protection 2006 (RFS)</p>
Resource	<p>Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves 2012 (JORC)</p>
Waste	<p>Waste Classification Guidelines (EPA)</p> <p>Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes 1999 (EPA)</p>
Rehabilitation	<p>Mine Rehabilitation – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth)</p> <p>Mine Closure and Completion – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth)</p> <p>Strategic Framework for Mine Closure (ANZMEC-MCA)</p>



ATTACHMENT 2

AGENCIES' CORRESPONDENCE



Milbrae Quarries Pty Ltd
Strontian Quarry

Joel Herbert

From: kirstyn.goulding@crowland.nsw.gov.au on behalf of Lands Ministerials
<lands.ministerials@industry.nsw.gov.au>
Sent: Friday, 21 June 2019 8:58 AM
To: Joel Herbert
Subject: Request for Requirements - EAR 1351 - Strontian Quarry, Narrandera

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Joel

DoI Crown Lands has the following comments for this proposal:-

There are no objections to the proposal expansion however the proponent must not impact on the existing Trig Point located along the southern boundary of Lot 134 DP 726537 and comply with existing Extractive Licence conditions.

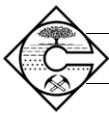
Thanks
Kirstyn

Lands Ministerial Unit
NSW Department of Industry - Crown Lands
Level 4, 437 Hunter Street, NEWCASTLE NSW 2300
E: lands.ministerials@industry.nsw.gov.au W: www.industry.nsw.gov.au

Please contact Kirstyn Goulding on (02) 4920 5058 for any inquiries



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Department of
Primary Industries

OUT19/7683

11 June 2019

Joel Herbert
Environmental Assessment Officer
GPO Box 39
Sydney NSW 2001
Joel.herbert@planning.nsw.gov.au

Dear Joel

Request for Requirements:

- EAR 1345 - Tarraweena Quarry, Gundagai
- EAR 1350 - Hillview Quarry, Leeton
- EAR 1351 - Strontian Quarry, Narrandera
- EAR 1352 - Walleroobie Quarry, Walleroobie
- EAR 1353 - Western Riverina Quarry, Griffith

Thank you for the opportunity to provide Environmental Assessment Requirements (EAR) for the above proposals as per your correspondence dated 5 and 7 June 2019.

The NSW Department of Primary Industries (NSW DPI) Agriculture is committed to the protection and growth of agricultural industries, and the land and resources upon which these industries depend.

The EISs for these extractive industry proposals must consider any surrounding agricultural industries and resources as potential receptors of identified impacts. The guidelines below will provide information on potential agricultural impacts for consideration by these types of development. Detailed requirements can be found in Attachment 1.

Title	Location
Land Use Conflict Risk Assessment Guide	www.dpi.nsw.gov.au/content/agriculture/resources/lup/development-assessment/lucra
Agricultural Issues for Extractive industry Development	http://www.dpi.nsw.gov.au/content/agriculture/resources/lup/development-assessment/extractive-industries
Infrastructure proposals on rural land	https://www.dpi.nsw.gov.au/agriculture/lup/development-assessment2/infrastructure-proposals

Should you require clarification on any of the information contained in this response, please contact Agricultural Land Use Planning Officer Lilian Parker on (02) 69381906.

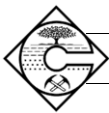
Yours sincerely

Lilian Parker
Agricultural Land Use Planning
Department of Primary Industries



Attachment 1: SEARs Recommendations

Issue and desired outcome	Detail / Requirement
Site Suitable for development	<ul style="list-style-type: none"> • Detail that the quarry is consistent with strategic plans and zone requirements • Complete a Landuse Conflict Risk Assessment (LUCRA) to identify potential landuse conflict, in particular relating to separation distances and management practices to minimise odour, dust and noise from sensitive receptors. A LUCRA is described in the DPI Land Use Conflict Risk Assessment Guide. • Include a map to scale showing the above operational and infrastructure details including separation distances from sensitive receptors.
Consideration for impacts to agricultural resources and land	<ul style="list-style-type: none"> • Describe the current and potential <i>Important Agriculture Land</i> on the proposed development site and surrounding locality including the land capability and agricultural productivity. • Demonstrate that all significant impacts on current and potential agricultural developments and resources can be reasonably avoided or adequately mitigated. • Consider possible cumulative effects to agricultural enterprises and landholders. • Detail the expected life span of the proposed development
Bushfire risk identified and managed	<ul style="list-style-type: none"> • Risk assessment level and mitigation plan developed to address bush fire risk.
Suitable and secure water supply	<ul style="list-style-type: none"> • Estimated water demand and water availability should be clearly outlined in the proposal. The source of water and any sanitisation methods to be detailed in the application. • Outline any impacts to water use from agriculture and mitigation measures if required.
Surface & Groundwater protected	<ul style="list-style-type: none"> • Proposed development design, operation and by-product management should be undertaken to avoid nutrient and sediment build up and minimise erosion, off site surface water movement and groundwater accession. • The proposal should detail how design and operation will be undertaken for by-product management in accordance with best practice to prevent excess build-up of nutrients and salts in the soil profile and increase the risk of leaching. A monitoring program should be developed.
Biosecurity Standards met	<ul style="list-style-type: none"> • Include a biosecurity (pests and weeds) risk assessment outlining the likely plant, animal and community risks. • Develop a biosecurity response plan to deal with identified risks as well as contingency plans for any failures. Including monitoring and mitigation measures in weed and pest management plans.
Suitable traffic movements	<ul style="list-style-type: none"> • Consideration of the route for movements needs to be taken into account so that impacts on sensitive receptors are minimised (eg noise, dust, volume of traffic). This should include consideration of Travelling Stock Reserves¹ (TSR) and the movement of livestock or farm vehicles along / across the affected roads
Visual amenity achieved	<ul style="list-style-type: none"> • Amenity impacts are assessed and any necessary response to mitigate visual impacts is described and illustrated.



Issue and desired outcome	Detail / Requirement
Land stewardship met	<ul style="list-style-type: none">• Develop Rehabilitation and Decommissioning/Closure Plans that describes the design criteria of the final landuse and landform along with the expected timeline for the rehabilitation program.• Outline monitoring and mitigation measures to be adopted for rehabilitation remedial actions.
Adequate consultation with community	<ul style="list-style-type: none">• Consult with relevant agencies such as on the design, construction and operation of the proposed infrastructure.• Consult with the owners / managers of affected and adjoining neighbours and agricultural operations in a timely and appropriate manner about; the proposal, the likely impacts and suitable mitigation measures or compensation.• Establish a complaints register that includes reporting and investigating procedures and timelines, and liaison with Council in relation to complaint issues.
Contingency and Environmental Management Plan developed	<ul style="list-style-type: none">• Contingency plans should be developed to enable the operation to deal with emergency situations. Commitment to the preparation of an Emergency Management plan that outlines procedures and responsibilities for responding to bushfire threats and possible mass mortality events which might result from extreme climatic conditions, routine or emergency animal disease outbreaks.



Milbrae Quarries Pty Ltd
Strontian Quarry

Joel Herbert

From: alistair.drew@industry.nsw.gov.au on behalf of Landuse Enquiries
<landuse.enquiries@dpi.nsw.gov.au>
Sent: Friday, 14 June 2019 12:59 PM
To: Joel Herbert
Subject: Fwd: FW: Request for Requirements - EAR 1351 - Strontian Quarry, Narrandera

----- Forwarded message -----

From: Nathan Reynoldson <nathan.reynoldson@dpi.nsw.gov.au>
Date: Fri, 14 Jun 2019 at 09:14
Subject: Re: FW: Request for Requirements - EAR 1351 - Strontian Quarry, Narrandera
To: Landuse Enquiries <landuse.enquiries@dpi.nsw.gov.au>

To whom it may concern

DPI Fisheries has nil comment

Regards

On Wed, 12 Jun 2019 at 21:04, Luke Pearce <luke.pearce@dpi.nsw.gov.au> wrote:

----- Forwarded message -----

From: <ahp.central@dpi.nsw.gov.au>
Date: Tue, 11 Jun 2019 at 08:53
Subject: FW: Request for Requirements - EAR 1351 - Strontian Quarry, Narrandera
To: Luke Pearce <luke.pearce@dpi.nsw.gov.au>

From: alistair.drew@industry.nsw.gov.au [mailto:alistair.drew@industry.nsw.gov.au] **On Behalf Of** Landuse Enquiries
Sent: Friday, 7 June 2019 11:16 AM
To: Water Referrals; Landuse Ag; Lands Ministerials; AHP Central
Subject: Fwd: Request for Requirements - EAR 1351 - Strontian Quarry, Narrandera

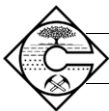
Hi all

Please find below correspondence requesting SEAR's for the above Local Designated Development application for your direct response to the Department of Planning and Environment.
Regards,

Alistair

----- Forwarded message -----

From: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>
Date: Fri, 7 Jun 2019 at 09:46



Subject: Request for Requirements - EAR 1351 - Strontian Quarry, Narrandera
To: Adam Oehlman <landuse.enquiries@dpi.nsw.gov.au>, records@rfs.nsw.gov.au <records@rfs.nsw.gov.au>, EPA Planning Matters Mailbox <planning.matters@epa.nsw.gov.au>, DRG RO Assessment Coordination Mailbox <assessment.coordination@planning.nsw.gov.au>, environmental.assessments@water.nsw.gov.au <environmental.assessments@water.nsw.gov.au>, Planning Matters Mailbox <planning.matters@environment.nsw.gov.au>, RRD EO Resources Regulator Mailbox <resources.regulator@planning.nsw.gov.au>, OLG - Cootamundra-Gundagai Regional Council <mail@cgrc.nsw.gov.au>, development.south.west@rms.nsw.gov.au <development.south.west@rms.nsw.gov.au>

Good afternoon,

Proposal – Strontian Quarry, Narrandera

EAR ID No. 1351

RW Corkery and CO Pty Ltd on behalf of Milbrae Quarries Pty Ltd (the Applicant) has requested the requirements of the Secretary of the Department of Planning and Environment for the preparation of an Environmental Impact Statement (EIS) for the above local designated development located in Narrandera Shire local government area.

I have attached a copy of the Applicant's request for your reference.

Under Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*, the Secretary is requesting your requirements for the EIS.

It would be greatly appreciated if we could receive your advice by **Friday 21 June 2019**.

If you have any queries, please contact me on the details below.

Regards,

Joel Herbert

Environmental Assessment Officer

Resource Assessments

320 Pitt Street | GPO Box 39 | Sydney NSW 2001



Milbrae Quarries Pty Ltd
Strontian Quarry

T 02 8289 6614 | E Joel.Herbert@planning.nsw.gov.au



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Alistair Drew | Policy Officer Assessments

NSW Department of Industry | Lands & Water | Strategic Relations

Level 3 | 26 Honeysuckle Drive | Newcastle | NSW 2300

M: 0417 626 567

E: landuse.enquiries@dpi.nsw.gov.au

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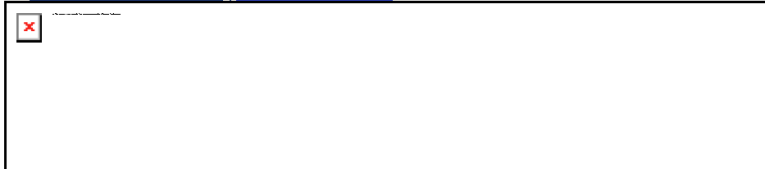
Luke Pearce | Fisheries Manager | Aquatic Ecosystems
NSW Department of Primary Industries | Unit 5, 620 Macaulay St | Albury NSW 2640
T: 02 6051 7768 M: 0428227464 | E: luke.pearce@dpi.nsw.gov.au
W: www.dpi.nsw.gov.au



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Nathan Reynoldson | A/Fisheries Manager | Aquatic Ecosystems
NSW Department of Primary Industries | 5/620 Macauley Street | Albury NSW 2640
T: 02 6051 7766 | M: 0419 185 546 | E: nathan.reynoldson@dpi.nsw.gov.au
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Alistair Drew | Policy Officer Assessments

NSW Department of Industry | Lands & Water | Strategic Relations

Level 3 | 26 Honeysuckle Drive | Newcastle | NSW 2300

M: 0417 626 567

E: landuse.enquiries@dpi.nsw.gov.au

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Milbrae Quarries Pty Ltd
Strontian Quarry



DOC19/495218-1

The Environmental Assessment Officer
Resource Assessments
Department of Planning and Environment

By email: joel.herbert@planning.nsw.gov.au

Dear Mr Herbert

Re EAR ID No 1351

I refer to your electronic mail on 7 June 2019 to the Environment Protection Authority (EPA) seeking our requirements for the preparation of an Environmental Impact Statement for the proposal to expand the Strontian Quarry at Narrandera.

The specific issues that we consider to be critical to an assessment of the proposed development include the potential dust impacts, impacts of noise and blasting, and sediment and erosion control. Details of our specific requirements and guidance documents are provided at Attachments A and B respectively.

To assist the EPA in assessing the EIS we request that the EIS follow the format of the former Department of Urban Affairs and Planning EIS Guideline for Extractive Industries Quarries.

We recommend that during the preparation of the EIS that the proponent consults with the EPA to ensure that the specific issues identified in the attachments are adequately addressed.

If you have any further enquiries about this matter please contact Jason Price by telephoning 02 6969 0700 or by electronic mail at riverina.farwest@epa.nsw.gov.au.

Yours sincerely

12 June 2019

DARREN WALLETT
Head Regional Operations Unit – Riverina Far West Region
Environment Protection Authority

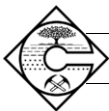
Phone +61 2 6969 0700
Phone 131 555
(from outside NSW)

Fax +61 2 6969 0710
TTY 133 677
ABN 43 692 285 758

PO Box 397
Griffith
NSW 2680 Australia

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130-140 Banna Ave
Griffith NSW
2680 Australia

www.epa.nsw.gov.au
riverina.farwest@epa.nsw.gov.au



ATTACHMENT A

Potential environmental impacts of the project

1. The following potential environmental impacts of the project need to be assessed, quantified and reported on.
 - Air
 - Noise
 - Water
 - Land
 - Waste and chemicals.

The Environmental Impact Statement (EIS) should address how the required environmental goals will be met for each potential impact.

2. Describe the management strategies for the treatment and processing/utilisation of all wastes proposed to be received at the facility.
3. Describe mitigation and management options that will be used to prevent, control, abate or mitigate identified potential environmental impacts associated with the project and to reduce risks to human health and prevent the degradation of the environment.

This should include an assessment of the effectiveness and reliability of the measures and any residual impacts after these measures are implemented.

Potential impacts on air quality

The goals of the project in relation to air quality should be to ensure sensitive receptors are protected from adverse impacts from dust.

Details would need to be provided on the proposed measures to manage dust from all sources. Measures to prevent or control the emission of dust from the quarrying activities must be detailed based on the outcome of an assessment of dust emissions undertaken in accordance with the *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales* (DECC, 2005). All potentially impacted residential or sensitive premises likely to be impacted by the development must be identified and included in the assessment.

The EIS should identify any other existing impacts on air quality within the area and if necessary provide an assessment and commentary on the predicted cumulative impacts that may arise.

Emissions from any plant must meet the design criteria detailed in the Protection of the Environment Operations (Clean Air) Regulation 2010. Details need to be provided on the proposed air pollution control techniques from any air emission points, including proposed measures to manage and monitor efficiency and performance.

Potential impacts of noise, vibration and blasting

The goals of the project should include design, construction, operation and maintenance of the facility in accordance with relevant EPA policy, guidelines and criteria, and in order to minimise potential impacts from noise.

The EPA expects that potential noise sources are assessed in accordance with the *Noise Policy for Industry* (EPA 2017), and where required mitigation measures are proposed (eg appropriate equipment chosen to minimise noise levels). All residential or noise sensitive premises likely to be impacted by the development must be identified and included in the assessment.

The proposed development may result in an increase in traffic movements associated with the transport of livestock and feed. The number of traffic movements associated with the proposal should be



quantified and the potential noise impacts associated with these traffic movements need to be assessed in accordance with the *NSW Road Noise Policy* (DECCW, 2011).

An assessment of vibration from all activities (including construction and operation) to be undertaken on the premises and this should be assessed using the guidelines contained in the document *Assessing Vibration: a technical guideline* (DEC, 2006).

An assessment of potential blast impacts should be undertaken and this should be assessed against the guidelines contained in the document *Australian and New Zealand Environment Council – Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration* (ANZECC, 1990).

Potential impacts on water quantity and quality

The goals of the project should include the following.

- No pollution of waters (including surface and groundwater), except to the extent authorised by EPA (i.e in accordance with an Environment Protection Licence);
- Polluted water (including effluent, process waters, wash down waters, polluted stormwater or sewage) is captured on the site and collected, treated and beneficially reused, where this is safe and practicable to do so;
- It is acceptable in terms of the achievement or protection of the River Flow Objectives and Water Quality Objectives.

The EIS should document the measures that will achieve the above goals.

Details of the site drainage and any natural or artificial waters within or adjacent to the development must be identified and where applicable measures proposed to mitigate potential impacts of the development on these waters.

The EIS should provide details of any water management systems for the site to ensure surface and ground waters are protected from contaminants.

Potential impacts on land

The goals of the project should include the following.

- No pollution of land, except to the extent authorised by EPA (ie in accordance with an Environment Protection Licence); and
- The potential impact of land erosion from the development is mitigated.

The EIS should document the measures that will achieve the above goals.

Waste

The goals of the project should include the following.

- It is in accordance with the principles of the waste hierarchy and cleaner production;
- Where potential impacts associated with the handling, processing and storage of all waste materials generated at the premises are identified, these be satisfactorily mitigated;
- The beneficial reuse of all wastes generated at the premises are maximised where it is safe and practical to do so; and
- No waste disposal occurs on site except in accordance with an Environment Protection Licence.

The goal of the project should be to ensure that environmental risks from manure composting are minimised. The EIS needs to identify the proposed type, quantity and location of wastes to be stored and/or processed at the site.



Spill management measures, including items such as bunding, and emergency procedures should be clearly outlined.

Monitoring

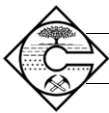
The EIS must outline the proposed monitoring regime to be implemented in relation to the following potential impacts, where relevant.

- air quality and particulate matter,
- operational noise,
- blasting,
- vibration, and
- waste and wastewater.



ATTACHMENT B

<u>Title</u>	<u>Web address</u>
Relevant Legislation	
<i>Environmental Planning and Assessment Act 1979</i>	https://www.legislation.nsw.gov.au/#/view/act/1979/203
<i>Protection of the Environment Operations Act 1997</i>	https://www.legislation.nsw.gov.au/#/view/act/1997/156/full
Licensing	
Guide to Licensing	http://www.epa.nsw.gov.au/licensing/licenceguide.htm
Air Issues	
POEO (Clean Air) Regulation 2010	https://www.legislation.nsw.gov.au/#/view/regulation/2010/428/historical2016-11-01/full
Approved methods for modelling and assessment of air pollutants in NSW (2016)	http://www.environment.nsw.gov.au/resources/air/ammodelling05361.pdf
Assessment and management of odour from stationary sources in NSW (DEC, 2006)	Technical framework: https://www.environment.nsw.gov.au/resources/air/20060440framework.pdf Technical notes: https://www.environment.nsw.gov.au/resources/air/20060441notes.pdf
Noise and Vibration	
Interim Construction Noise Guidelines (EPA, 2017)	https://www.epa.nsw.gov.au/your-environment/noise/industrial-noise/interim-construction-noise-guideline
Noise Policy for Industry (EPA, 2017)	https://www.epa.nsw.gov.au/your-environment/noise/industrial-noise/noise-policy-for-industry-(2017)
NSW Road Noise Policy (EPA, 2011)	https://www.epa.nsw.gov.au/publications/noise/2011236-nsw-road-noise-policy
Assessing Vibration: a technical guideline (DEC 2006)	https://www.epa.nsw.gov.au/noise/vibrationguide.htm
Australian and New Zealand Environment Council: Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration (ANZECC 1990)	https://www.epa.nsw.gov.au/resources/noise/ANZECCBlasting.pdf



Soils	
Managing Urban Stormwater: Soils and Construction (Landcom, 2004)	https://www.environment.nsw.gov.au/stormwater/publications.htm
Waste	
Waste Classification Guidelines (EPA, 2014)	https://www.epa.nsw.gov.au/your-environment/waste/classifying-waste/waste-classification-guidelines
Protection of the Environment Operations (Waste) Regulation 2014	https://www.legislation.nsw.gov.au/regulations/2014-666.pdf
Environmental Guidelines: Solid Waste Landfills, Second edition (EPA, 2016)	https://www.epa.nsw.gov.au/~/_media/EPA/Corporate%20Site/resources/waste/solid-waste-landfill-guidelines-160259.ashx
Water	
Water Quality Objectives	http://www.environment.nsw.gov.au/ieo/index.htm
National Water Quality Management Strategy: Australia and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ, 2000)	http://www.waterquality.gov.au/anz-guidelines/Documents/ANZECC-ARMCANZ-2000-guidelines-vol2.pdf
National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ, 2000)	http://www.waterquality.gov.au/anz-guidelines/Documents/ANZECC-ARMCANZ-monitoring-reporting.pdf
Using the ANZECC Guidelines and Water Quality Objectives in NSW (EPA, 2006)	https://www.epa.nsw.gov.au/~/_media/epa/corporate-site/resources/water/anzeccandwqos06290.pdf
Environmental Guidelines: Storage and Handling of Liquids (EPA, 2007)	https://www.epa.nsw.gov.au/licensing-and-regulation/licensing/environment-protection-licences/compliance-audit-program/chemical-storage-handling-and-spill-management/storing-and-handling-liquids-trainers-manual
The NSW State Groundwater Policy Framework Document (DLWC, 1997)	http://www.water.nsw.gov.au/__data/assets/pdf_file/0008/547550/avail_ground_nsw_state_groundwater_policy_framework_document.pdf
The NSW State Groundwater Quality Protection Policy (DLWC, 1998)	http://www.water.nsw.gov.au/__data/assets/pdf_file/0006/548286/nsw_state_groundwater_quality_policy.pdf
National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC, 1995)	https://www.water.wa.gov.au/__data/assets/pdf_file/0020/4925/8728.pdf



Milbrae Quarries Pty Ltd
Strontian Quarry



Office of
Environment
& Heritage

Contact details for OEH Planning Teams and Branch Offices

October 2018

Greater Sydney

Office of Environment and Heritage
Greater Sydney Planning Team
PO Box 644
Parramatta NSW 2124

Phone: 02 9995 5000
gs.ach@environment.nsw.gov.au

**AHIPs NOT to be submitted by email for
Greater Sydney**

Hunter Central Coast

Office of Environment and Heritage
Hunter Central Coast Planning Team
Locked Bag 1002
Dangar NSW 2309

Phone: 02 4927 3119
rog.hcc@environment.nsw.gov.au

North East

Office of Environment and Heritage
North East Planning Team
Locked Bag 914
Coffs Harbour NSW 2450

Phone: 02 66598200
rod.ne@environment.nsw.gov.au

North West

Office of Environment and Heritage
North West Planning Team
PO Box 2111
Dubbo NSW 2830

Phone: 02 6883 5300
rog.nw@environment.nsw.gov.au

South East

Office of Environment and Heritage
South East Planning Team
PO Box 733
Queanbeyan NSW 2620

Phone: (02) 6229 7000
rog.southeast@environment.nsw.gov.au

Illawarra Planning Team
PO Box 513
Wollongong NSW 2520

Phone: (02) 4224 4150
rog.illawarra@environment.nsw.gov.au

South West

Office of Environment and Heritage
South West Planning Team
PO Box 1040
Albury NSW 2640

Phone: (02) 6022 0624
rog.southwest@environment.nsw.gov.au

A map of OEH boundaries for ACH regulation is provided on the next page.

OEH Planning Teams are in the **Conservation and Regional Delivery Division (CaRD)**
Greater Sydney is in the **Communities and Greater Sydney Division (CaGS)**.

If you don't know who to contact:

- Email the **OEH Planning Matters Mailbox** planning.matters@environment.nsw.gov.au
- Call **Environment Line** on 131 555



Milbrae Quarries Pty Ltd
Strontian Quarry



Office of
Environment
& Heritage

Your reference: EAR 1351
Our reference: DOC19/494640
Contact: Marcus Wright
Ph 02 6983 4917
Date: 20 June 2019

Joel Herbert
Resource Assessments
Department of Planning and Environment
GPO Box
SYDNEY NSW 2001

Via email: joel.herbert@planning.nsw.gov.au

Dear Mr Herbert

RE: Request for requirements - proposed expansion of the Strontian Quarry, Gillenbah (EAR 1351)

I refer to your email dated 28 May 2019 seeking input from the Office and Environment and Heritage (OEH) into the Department of Planning and Environment (DPE) Secretary's Environmental Assessment Requirements (SEARs) for the preparation of an Environmental Impact Statement (EIS) for the proposed development.

OEH has reviewed the documents you sent and provides SEARs for the proposed development in **Attachment A**. Guidance material is listed in **Attachment B**.

OEH recommends that the Environmental Impact Statement (EIS) appropriately address the following:

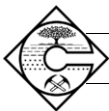
1. Biodiversity
2. Aboriginal cultural heritage

The EIS should fully describe the proposal, the existing environment and impacts of the development including the location and extent of all proposed works that may impact on ACH and biodiversity. The scale and intensity of the proposed development should dictate the level of investigation. It is important that all conclusions are supported by adequate data. The assessment must include all ancillary infrastructure associated with the project such as roads, water and power supplies, and Rural Fire Service requirements for asset protection and include threatened species impacts not associated with vegetation communities such as scattered paddock trees and increased road traffic.

The activity involves the clearing of remnant vegetation as described in your submission. The preferred approach under the *Biodiversity Conservation Act 2016* (BC Act) is to avoid impacting on biodiversity. Unless the vegetation can be avoided, the exact nature of the impact should be confirmed by applying the Biodiversity Offset Scheme Entry Thresholds tool (BOSET) and a Test of Significance. Any determined impacts must be managed in a Biodiversity Development Assessment Report (BDAR).

OEH considers there is potential for harm to Aboriginal cultural heritage (ACH) particularly where ground disturbance activities and impacts to native vegetation are proposed. We recommend that the proposed activity area be subject to a detailed Aboriginal cultural heritage assessment in accordance with the *Guide to Investigation, Assessing and Reporting on Aboriginal Cultural Heritage in NSW* and *Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW* (DEECW 2010). This is a standard requirement for designated development proposals and should be prepared by a qualified archaeologist with specialist skills in identifying and reporting on ACH. It is important that the EIS confirms all statements and conclusions in relation to ACH with appropriate supporting material. Further details on assessment requirements for ACH are provided in **Attachment A**.

PO Box 1040 Albury NSW 2640
512 Dean Street Albury NSW 2640
Ph: (02) 6022 0624
E-mail: rog.southwest@environment.nsw.gov.au
ABN 30 841 387 271
www.environment.nsw.gov.au



If you have any questions regarding this matter, please contact Marcus Wright on 6983 4917 or via rog.southwest@environment.nsw.gov.au.

Yours sincerely

ANDREW FISHER
Senior Team Leader Planning
South West Branch
Conservation and Regional Delivery
Office of Environment & Heritage

ATTACHMENT A – Recommended Environmental Assessment Requirements for Strontian Quarry, Gillenbah (EAR 1351)

ATTACHMENT B – Guidance material



Attachment A – Recommended Environmental Assessment Requirements for Strontian Quarry, Gillenbah (EAR 1351)

The Proposal

The objectives of the proposal should be clearly stated and identify:

- the size, scale and type of the proposed activity / development;
- all anticipated environmental impacts including: direct and indirect; construction and operational; and extent of vegetation / habitat clearing or disturbance;
- threatened species, populations, ecological communities or habitats impacted upon;
- the staging and timing of the proposal; and
- the proposal's relationship to any other proposals and developments.

1. Environmental Impacts of the Proposal

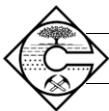
The proponent must consider, assess, quantify and report on the likely environmental impacts of the proposal if applicable, particularly:

- Aboriginal cultural heritage
- Biodiversity

The Secretary's Environmental Assessment Requirements should address the specific requirements outlined under each heading below and assess impacts in accordance with the relevant guidelines mentioned. A full list of guidelines and reference material is presented in **Attachment B**. Appropriate justification should be provided in instances where the below matters are not addressed.

2. Aboriginal Cultural Heritage

- The EIS must identify and describe the Aboriginal cultural heritage values that exist across the whole area that will be affected by the proposal. This may include the need for surface survey and test excavation. The identification of cultural heritage values must be conducted in accordance with the *Code of Practice for Archaeological Investigations of Aboriginal Objects in NSW* (OEH 2010), and should be guided by the *Guide to investigating, assessing and reporting on Aboriginal Cultural Heritage in NSW* (DECCW 2011) and consultation with OEH regional branch officers. The Due Diligence process is not appropriate to use as an assessment here.
- Where Aboriginal cultural heritage values are identified, consultation with Aboriginal people must be undertaken and documented in accordance with the *Aboriginal cultural heritage consultation requirements for proponents 2010* (DECCW). The significance of cultural heritage values for Aboriginal people who have a cultural association with the land must be documented in the EIS.
- Impacts on Aboriginal cultural heritage values are to be assessed and documented in the EIS. The EIS must demonstrate attempts to avoid impact upon cultural heritage values and identify any conservation outcomes. Where impacts are unavoidable, the EIS must outline measures proposed to mitigate impacts. Any objects recorded as part of the assessment must be documented and notified to OEH.
- The assessment of cultural heritage values must include a surface survey undertaken by a qualified archaeologist in areas with potential for subsurface Aboriginal deposits. The result of the surface survey is to inform the need for targeted test excavation to better assess the integrity, extent, distribution, nature and overall significance of the archaeological record. The results of surface surveys and test excavations are to be documented in the EIS.
- Where harm to an Aboriginal object or declared Aboriginal place cannot be avoided, an Aboriginal Heritage Impact Permit (AHIP) will be required from OEH under the *National Parks and Wildlife Act 1974*. You must apply to OEH for an AHIP prior to commencing works that will directly or indirectly harm an Aboriginal object or a declared Aboriginal place.



- The EIS must outline procedures to be followed in the event Aboriginal burials or skeletal material is uncovered during construction to formulate appropriate measures to manage the impacts to this material.
- The EIS must outline procedures to be followed if Aboriginal objects are found at any stage of the life of the development to formulate appropriate measures to manage unforeseen impacts.

3. Biodiversity

Negative impacts on native vegetation should be avoided where possible using prevention and mitigation measures. Where impacts cannot be avoided, the EIS should detail how they will be remedied through biodiversity offsetting, including quantification of impacts and assessment of the value of offset areas, protection mechanisms and associated management regimes for those areas.

We recommend that the applicant provide evidence that any clearing associated with or ancillary to the activity is not likely to significantly affect threatened species, threatened ecological communities or their habitats. At a minimum that evidence should take the form of a Test of Significance according to the Minister's Guidelines: <https://www.environment.nsw.gov.au/-/media/OEH/Corporate-Site/Documents/Animals-and-plants/Threatened-species/threatened-species-test-significance-guidelines-170634.pdf>

The OEH threatened species website (www.environment.nsw.gov.au/threatenedspecies/) and Atlas of NSW Wildlife (www.bionet.nsw.gov.au/) can be used to generate a list of threatened species, populations and ecological communities predicted or known to occur in the area. Vegetation map datasets can be accessed through the OEH website at mapdata.environment.nsw.gov.au/.

Habitat preferences can then be used to determine the likelihood of these species occurring in the study area. Appropriate measures to avoid, minimise and mitigate any impacts on vegetation and threatened species habitat should be set out in the EIS. If impacts on biodiversity are likely to be significant, then the applicant must mitigate these impacts through the Biodiversity Offset Scheme according to the Biodiversity Conservation Act, namely a Biodiversity Development Assessment Report. www.environment.nsw.gov.au/biodivoffsets/oehoffsetprincip.htm.

The applicant should also apply the Biodiversity Offset Scheme Entry Threshold tool (BOSET) and submit the report with the application. The tool will determine whether the activity exceeds the entry thresholds and triggers the Biodiversity Offset Scheme. The tool and a user guide can be found at www.lmbc.nsw.gov.au/Maps/index.html?viewer=BOSETMap.

Where the proposal is likely to significantly affect threatened species within the meaning of Section 7.2 of the *Biodiversity Conservation Act 2016*, the application for development consent is to be accompanied by a Biodiversity Development Assessment Report, and the following requirements apply:

- Biodiversity impacts related to the proposal are to be assessed in accordance with the Biodiversity Assessment Method and documented in a Biodiversity Development Assessment Report (BDAR). The BDAR must include information in the form detailed in the *Biodiversity Conservation Act 2016* (s6.12), *Biodiversity Conservation Regulation 2017* (s6.8) and Biodiversity Assessment Method.
- The BDAR must document the application of the avoid, minimise and offset hierarchy including assessing all direct, indirect and prescribed impacts in accordance with the Biodiversity Assessment Method.
- The BDAR must include details of the measures proposed to address the offset obligation as follows:
 - The total number and classes of biodiversity credits required to be retired for the proposal.
 - The number and classes of like-for-like biodiversity credits proposed to be retired.
 - The number and classes of biodiversity credits proposed to be retired in accordance with the variation rules.
 - Any proposal to fund a biodiversity conservation action.



- Any proposal to make a payment to the Biodiversity Conservation Fund.

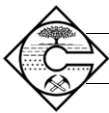
If seeking approval to use the variation rules, the BDAR must contain details of the reasonable steps that have been taken to obtain requisite like-for-like biodiversity credits.

- The BDAR must be prepared by a person accredited in accordance with the Accreditation Scheme for the Application of the Biodiversity Assessment Method Order 2017 under s6.10 of the *Biodiversity Conservation Act 2016*.

Please note that because the Strontian Quarry is a matter which requires consent under the *Environmental Planning and Assessment Act 1979*, the clearing provisions of the *Local Land Services Act 2013* and the *State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017*, do not permit clearing associated with or ancillary to the activity regardless of zone.

Matters of National Environmental Significance

Regarding the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999*, the REF should identify any relevant Matters of National Environmental Significance, whether the proposal has been referred to the Australian Government or whether it is already determined to be a controlled action.



Attachment B – Guidance material

Title	Web address
Relevant Legislation	
<i>Biodiversity Conservation Act 2016</i>	www.legislation.nsw.gov.au/#/view/act/2016/63/full
<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>	www.austlii.edu.au/au/legis/cth/consol_act/epabca1999588/
<i>National Parks and Wildlife Act 1974</i>	www.legislation.nsw.gov.au/maintop/view/inforce/act+80+1974+cd+0+N
<i>Environmental Planning and Assessment Act 1979</i>	www.legislation.nsw.gov.au/maintop/view/inforce/act+203+1979+cd+0+N
Biodiversity	
Biodiversity Assessment Method (OEH, 2017)	www.environment.nsw.gov.au/resources/bcact/biodiversity-assessment-method-170206.pdf
Biodiversity Offsets Scheme Entry Threshold Tool	www.lmbc.nsw.gov.au/Maps/index.html?viewer=BOSETMap
Biodiversity Values Map	www.lmbc.nsw.gov.au/Maps/index.html?viewer=BVMap
Guidance and Criteria to assist a decision maker to determine a serious and irreversible impact (OEH, 2017)	www.environment.nsw.gov.au/resources/bcact/guidance-decision-makers-determine-serious-irreversible-impact-170204.pdf
Ancillary rules: biodiversity conservation actions	www.environment.nsw.gov.au/resources/bcact/ancillary-rules-biodiversity-actions-170496.pdf
Ancillary rules: reasonable steps to seek like-for-like biodiversity credits for the purpose of applying the variation rules	www.environment.nsw.gov.au/resources/bcact/ancillary-rules-reasonable-steps-170498.pdf
OEH Threatened Species Profiles	www.environment.nsw.gov.au/threatenedspeciesapp/
BioNet Atlas	www.environment.nsw.gov.au/wildlifeatlas/about.htm
BioNet Vegetation Classification – see NSW Plant Community Type (PCT) classification link for PCT database login page	http://www.environment.nsw.gov.au/research/Visclassification.htm
NSW guide to surveying threatened plants (OEH 2016)	www.environment.nsw.gov.au/resources/threatenedspecies/160129-threatened-plants-survey-guide.pdf
OEH threatened species survey and assessment guideline information	www.environment.nsw.gov.au/threatenedspecies/surveyassessm entgdlns.htm
NSW Guide to Surveying Threatened Plants (OEH, 2016)	www.environment.nsw.gov.au/research-and-publications/publications-search/nsw-guide-to-surveying-threatened-plants
Threatened Species Survey and Assessment Guidelines: Field Survey Methods for Fauna - Amphibians (DECC, 2009)	www.environment.nsw.gov.au/resources/Threatenedspecies/09213amphibians.pdf
Threatened Species Ministers Guidelines - The Test of Significance (OEH 2018)	https://www.environment.nsw.gov.au/-/media/OEH/Corporate-Site/Documents/Animals-and-plants/Threatened-species/threatened-species-test-significance-guidelines-170634.pdf
OEH Data Portal (access to online spatial data)	http://data.environment.nsw.gov.au/



Title	Web address
Fisheries NSW policies and guidelines	www.dpi.nsw.gov.au/fisheries/habitat/publications/policies_-guidelines-and-manuals/fish-habitat-conservation
<u>Aboriginal Cultural Heritage</u>	
Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW (OEH 2011)	www.environment.nsw.gov.au/resources/cultureheritage/20110263ACHguide.pdf
Code of Practice for the Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW, 2010)	www.environment.nsw.gov.au/resources/cultureheritage/10783FinalArchCoP.pdf
Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010)	www.environment.nsw.gov.au/resources/cultureheritage/commconultation/09781ACHconsultreg.pdf
Aboriginal Site Recording Form	www.environment.nsw.gov.au/resources/parks/SiteCardMainV1_1.pdf
Aboriginal Site Impact Recording Form	https://www.environment.nsw.gov.au/resources/cultureheritage/aboriginal-site-impact-recording-form-120558.pdf
Aboriginal Heritage Information Management System (AHIMS) Registrar	www.environment.nsw.gov.au/contact/AHIMSRegistrar.htm
Care Agreement Application form	www.environment.nsw.gov.au/resources/cultureheritage/20110914TransferObject.pdf
<u>Heritage</u>	
The Burra Charter (The Australia ICOMOS charter for places of cultural significance)	http://australia.icomos.org/wp-content/uploads/The-Burra-Charter-2013-Adopted-31.10.2013.pdf
Statements of Heritage Impact 2002 (HO & DUAP)	www.environment.nsw.gov.au/resources/heritagebranch/heritage/hmstatementsofhi.pdf
NSW Heritage Manual (DUAP) (scroll through alphabetical list to 'N')	www.environment.nsw.gov.au/Heritage/publications/



Our Ref: DOC19/545810

Mr Joel Herbert
Environmental Assessment Officer
Resource Assessments
Planning Services
Department of Planning and Environment
GPO Box 39
Sydney NSW 2001

By email: Joel.Herbert@planning.nsw.gov.au

Strontium Quarry (EAR ID No. 1351): Request for Resources Regulator Secretary's Environmental Assessment Requirements

Dear Mr Herbert,

I refer to the Department of Planning and Environment – Resources Assessments (DPE – Resources & Assessment) email dated 7 June 2019 inviting the Resources Regulator to provide Secretary's Environmental Assessment Requirements (SEARs) for Strontium Quarry (EAR ID No. 1351).

Compliance Operations within the Resources Regulator has responsibility for providing strategic advice for environmental issues pertaining to the proposed development in so far as they relate to or affect rehabilitation.

Mine Safety Operations within the Resources Regulator is responsible for ensuring mine operators manage the risk to worker health and safety through compliance with the *Work Health and Safety (Mines and Petroleum Sites) Act 2013* and the subordinate mining legislation. In particular the effective management of risk associated with the principal hazards as specified in the *Work Health and Safety (Mines and Petroleum Sites) Regulation 2014*.

Development Details and Assessment

The proposed Strontium Quarry is a hard rock quarry located approximately 11 kilometres from Narrandera, NSW. The development application proposes to:

- recover indurated sandstone to produce a range of products including aggregates and road base used in construction and infrastructure projects.

Response

The proposed development is not a mining operation and does not involve the extraction of material classified as a mineral under Schedule 1 of the Mining Regulation 2016.

In addition, the land comprising the proposed development is not the subject of a mining lease granted pursuant to the *Mining Act 1992*.

The Resources Regulator has not identified any matter that would require further comment.

Resources Regulator
516 High Street MAITLAND NSW 2320 Australia | PO Box 344 HRMC NSW 2310 Australia
Tel: +61 2 4063 6666



Milbrae Quarries Pty Ltd
Strontian Quarry

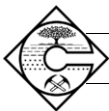
For enquiries regarding this matter please contact me on 4063 6444 or
minres.environment@planning.nsw.gov.au

Yours sincerely

Christine Fawcett
Manager Environmental Operations – Central/West

On behalf of
Matthew Newton
Director Compliance Operations
Resources Regulator
NSW Department of Planning and Environment

26 June 2018



NSW RURAL FIRE SERVICE



The Secretary
Department of Planning and Environment
GPO Box 39
Sydney NSW 2001

Your reference: EAR 1351
Our reference: D19/1924
DA19060719054 BB

Attention: Joel Herbert

21 June 2019

Dear Sir/Madam,

Request for Secretary's Requirements - Expansion of Strontian Quarry

Reference is made to correspondence dated 7 June 2019 seeking key issues and assessment requirements regarding bush fire protection for the above proposal in accordance with the *Environmental Planning and Assessment Act 1979*.

The New South Wales Rural Fire Service (NSW RFS) has considered the information submitted and notes that the proposed development has the potential to increase the level of bush fire risk within the landscape and, the development may be impacted upon during a bush fire event. As such, the environmental assessment for the proposed expansion of the Strontian Quarry should address the following bush fire criteria:

- the aims and objectives of *Planning for Bush Fire Protection 2006*;
- identification of potential ignition sources during construction and operation of the development;
- storage of fuels and other hazardous materials;
- proposed bush fire protection measures for the development, including vegetation management and fire suppression capabilities;
- operational access for fire fighting appliance to the site; and
- emergency and evacuation planning.

If you have any queries regarding this advice, please contact Bradley Bourke on 1300 NSW RFS.

Yours sincerely,

Martha Dotter
**Acting Team Leader, Development Assessment and Planning
Planning and Environment Services**

Postal address
NSW Rural Fire Service
Planning and Environment Services
Locked Bag 17
GRANVILLE NSW 2141

T 1300 NSW RFS
F (02) 8741 5433
E records@rfs.nsw.gov.au
www.rfs.nsw.gov.au



Milbrae Quarries Pty Ltd
Strontian Quarry



Transport
Roads & Maritime
Services

SWT12/00020
SF2012/003865
MM

20 June 2019

The Manager
Department of Planning & Environment
GPO Box 39
SYDNEY NSW 2001

Attention: Joel Herbert

SSD-1351 – SECRETARY’S ENVIRONMENTAL ASSESSMENT REQUIREMENT, PROPOSED EXTRACTIVE INDUSTRY, STRONTIAN QUARRY, LOTS 133 & 134 DP726537, STURT HIGHWAY GILLENBAH.

I refer to correspondence forwarded to Roads and Maritime Services requesting the provision of key issues and assessment requirements to be included in the Secretary’s Environmental Assessment Requirements.

Roads and Maritime Services has reviewed the Background Paper for the Strontian Quarry. From the information provided it is understood that the proposed development is for the expansion of the existing quarry with an intended maximum extraction rate of up to 125,000 tonnes per annum. The subject site has frontage and access to Strontian Road, which is classed as a local road, within a 100 km/h speed zone.

The submitted documentation indicates that the current Development Consent dated 27 March 2012 approved an extraction up to 30,000 tonnes per annum. The impacts of the proposed development, including additional traffic generation rate, needs to consider the impacts due to the increased from the approved extraction rate to the proposed 125,000 tonnes per annum.

Roads and Maritime is interested in the characteristics of the traffic generated by the development and in the impact of the development on the safety and efficiency of the road network. A Traffic Impact Assessment (TIA) should be prepared to outline measures to address and manage traffic related issues generated by the development. The documentation submitted should address the potential impacts on the road network associated with the development during the lifetime of the project, the works required to the existing road infrastructure, the measures to be implemented to maintain the standard and safety of the road network, and the procedures to monitor and ensure compliance. A Transport Management Plan and Driver Code of Conduct may be required to outline measures to manage traffic related issues generated by the development.

The information supplied provides limited detail regarding the anticipated extraction from the proposed quarry or the access arrangements proposed for the development. The degree of traffic assessment required to support the proposal will depend on the level of impact resulting from traffic generated by the proposed quarries, the rate of extraction of material and the standard of construction of, and current usage characteristics of, the public roads servicing the proposed quarry sites.

Any Traffic Impact Assessment needs to address the impacts of traffic generated by this development upon the nearby road network, particularly intersections. For guidance in the preparation of the TIA the applicant is referred to the Austroads publications, particularly the Austroads Guide to Traffic Management Part 12 - Traffic Impacts of Development and Part 3 - Traffic Studies and Analysis and the “Guide to Traffic



Generating Developments" prepared by the RTA and similar documentation. As a minimum the TIA is to address the existing and anticipated additional traffic generation on the surrounding road network, peak traffic volumes, vehicle types, travel routes for vehicles accessing the site and provide recommendations for any mitigation measures, such as intersection upgrades, considered necessary to address traffic related impacts.

Roads and Maritime emphasises the need to appropriately consider and minimise the impacts on of the development on the existing road network and maintain the level of safety, efficiency and maintenance along the existing road network.

Any enquiries regarding this correspondence may be referred to the Manager, Land Use for Roads and Maritime Services (South West Region), Maurice Morgan, phone (02) 6923 6611.

Yours faithfully

Per:
Lindsay Tanner
Director, South West NSW



Milbrae Quarries Pty Ltd
Strontian Quarry



Planning &
Environment

4 July 2019

Joel Herbert
Environmental Assessment Officer
Resource Assessments
Department of Planning & Environment
GPO Box 39
Sydney NSW 2001

Emailed: Joel.Herbert@planning.nsw.gov.au

Your Reference: EAR 1351
Our Reference: DOC19/522564

Dear Joel,

**Re: Request for Secretary's Environmental Assessment Requirements
Strontian Quarry, Narrandera Star – EAR 1351**

Thank you for the opportunity to provide advice on the Secretary's Environmental Assessment Requirements for the proposed Strontian Quarry expansion. This is a response from NSW Department of Planning & Environment – Division of Resources & Geoscience (the Division).

Strontian Quarry currently operates in accordance with Development Consent DA27/2011/12 issued by Narrandera Shire Council on 27 March 2012. Milbrae Quarries Pty Ltd is proposing to expand the existing operation and is seeking a new development consent under Part 4 of the Environmental Planning and Assessment Act 1979. The proposed expansion would involve both an increase in the disturbance area and annual production by 95,000tpa (from 30,000tpa to 125,000tpa).

Sandstone is not a prescribed mineral under the *Mining Act 1992*. Therefore, the Division has no statutory role in authorising or regulating the extraction of this commodity, apart from its role under the *Work Health and Safety Act 2011* and associated regulations and the *Work Health and Safety (Mine and Petroleum Sites) Act 2013* and associated regulations, for ensuring the safe operation of mines and quarries. However, the Division is the principal government authority responsible for assessing the State's resources of construction materials and for advising State and local government on their planning and management.

All environmental reports (EIS or similar) accompanying Development Applications for extractive industry lodged under the *Environmental Planning & Assessment Act 1979* should include a resource assessment which:

- Documents the size and quality of the resource and demonstrates that both have been adequately assessed; and

NSW Department of Planning and Environment
DIVISION of RESOURCES & GEOSCIENCE
PO Box 344 Hunter Region Mail Centre NSW 2310
E: landuse.minerals@geoscience.nsw.gov.au
Tel: 02 4063 6500
ABN 38 755 709 681



- Documents the methods used to assess the resource and its suitability for the intended applications.

The above information should be summarised in the EIS, with full documentation appended. If deemed commercial-in-confidence, the resource assessment summary included in the EIS should commit to providing the Division with full resource assessment documentation separately. Applications to modify, expand, extend or intensify an existing consent that has already been adequately reported using the above protocol in publicly available documents, may restrict detailed documentation to the additional resources to be used, if accompanied by a summary of past resource assessments and of past production.

The Division collects data on the quantity of construction materials produced annually throughout the State. Forms are sent to all operating quarries at the end of each financial year for this purpose. The statistical data collected is of great value to Government and industry in planning and resource management, particularly as a basis for analysing trends in production and for estimating future demand for particular commodities or in particular regions. Production data may be published in aggregated form, however production data for individual operations is kept strictly confidential.

In order to assist in the collection of construction material production data, the proponent should be required to provide annual production data for the subject site to the NSW Division of Resources and Geoscience as a condition of any new or amended development consent.

During the preparation of the EIS, The Division recommends that the proponent consult NSW Department of Planning & Environment's '*EIS Guideline - Extractive Industries - Quarries*'. This guideline is available from:

<http://www.planning.nsw.gov.au/Assess-and-Regulate/Development-Assessment/~media/4A89C0947A8C4D70A983F8EE1D7B9790.ashx>

The Division would appreciate the opportunity for early consultation in relation to the proposed location of any biodiversity offset areas (both on and off site) or any supplementary biodiversity measures to ensure there is no consequent reduction in access to prospective land for mineral exploration, or potential for sterilisation of mineral or extractive resources. Queries regarding the above information should be directed to the Division of Resources & Geoscience - Land Use team at landuse.minerals@geoscience.nsw.gov.au.

Yours sincerely

Steven Palmer
A/Manager - Land Use



Milbrae Quarries Pty Ltd
Strontian Quarry



Natural Resources
Access Regulator

Natural Resources Access Regulator
Locked Bag 5123,
Parramatta NSW 2124
T 1800 633 362
www.industry.nsw.gov.au/nrar

Contact: Shavaun Tasker
Phone: (03) 5881 9944
Email: shavaun.tasker@nrar.nsw.gov.au

Our ref: V15/4528#87
Your Ref: SEAR 1351

Mr. Joel Herbert
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

29 July 2019

Email: joel.herbert@planning.nsw.gov.au

Dear Joel,

Re: Expansion of Strontian's Quarry in the Narrandera Shire Council LGA – Environmental Assessment Requirements ID No. 1351 Designated Development.

Thank you for your email on 7 June 2019 seeking input into the Secretary's Environmental Assessment Requirements (SEARs) for the above development. The Natural Resource Access Regulator (NRAR) has reviewed the supporting documentation accompanying the request for SEARs and recommends the Environmental Impact Statement (EIS) be required to include the following;

- Proposed water licensing requirements in accordance with the *Water Act 1912/Water Management Act 2000* (whichever is relevant). This is to demonstrate that existing licences and/or approvals and licensed uses are appropriate, and to identify where additional licences and/or approvals are required.
- The identification of an adequate and secure water supply for the life of the project. Confirmation that water can be sourced from an appropriately authorised and reliable supply.
- A detailed and consolidated site water balance.
- Assessment of impacts on surface and groundwater sources (both quality and quantity), related infrastructure, adjacent licensed water users, basic landholder rights, watercourses, riparian land, and groundwater dependent ecosystems, and measures proposed to reduce and mitigate these impacts.
- Proposed surface and groundwater monitoring activities and methodologies.
- Assessment of any potential cumulative impacts on water resources, and any proposed options to manage the cumulative impacts.
- A statement of where each element of the SEARs is addressed in the EIS in the form of a table.
- Full technical details and data of all surface and groundwater modelling.
- Details of licensing requirements under the *Water Management Act 2000* or the *Water Act 1912*.



**Natural Resources
Access Regulator**

Natural Resources Access Regulator
Locked Bag 5123,
Parramatta NSW 2124
T 1800 633 362
www.industry.nsw.gov.au/nrar

- Where groundwater may be intercepted or impacted a detailed assessment against the NSW Aquifer Interference Policy (2012) using DoI Water's assessment framework. Justification is required to support a statement that groundwater is not to be intercepted.
- Detailed design of overburden storage and treatment, including an erosion sediment control plan for runoff.
- Details of the final landform of the site, including final void management (where relevant) and rehabilitation measures.

For further information please contact Shavaun Tasker, Water Regulation Officer at NRAR (Deniliquin) on t: (03) 5881 9944; e: shavaun.tasker@nrar.nsw.gov.au

Yours sincerely

Tim Baker
Senior Water Regulation Operations - West
Water Regulation Operations



Milbrae Quarries Pty Ltd
Strontian Quarry

From: Geoff Pigram <gpigram@milbrae.com.au>
Sent: Tuesday, 13 August 2019 3:40 PM
To: Caiden O'Connor
Subject: FW: SEARs 1351 - Strontian Quarry

Hello Caiden,

I am not sure if we need to retain this for the record or not – see below SEARS response from Water NSW Catchment Protection section.

Regards
Geoff Pigram
Milbrae Business Group
Mobile: 0427 262 032; Email: gpigram@milbrae.com.au
Office: 02 6953 4401 / Fax: 02 6953 5577
PO Box 225, Leeton NSW 2705
<http://www.milbrae.com.au>



From: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>
Sent: Tuesday, 13 August 2019 2:21 PM
To: Geoff Pigram <gpigram@milbrae.com.au>
Subject: SEARs 1351 - Strontian Quarry

Hi Geoff,

Please see the comments from Water NSW Catchment Authority.

Regards,

Joel Herbert
Environmental Assessment Officer
Energy and Resource Assessments
320 Pitt Street | GPO Box 39 | Sydney NSW 2001

T 02 8289 6614 | E Joel.Herbert@planning.nsw.gov.au

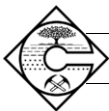


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From: Justine Clarke <Justine.Clarke@waterNSW.com.au>
Sent: Wednesday, 7 August 2019 9:15 AM



To: Richard Meares <Richard.Meares@waterNSW.com.au>; Hemantha DeSilva <Hemantha.DeSilva@waterNSW.com.au>; Martin Holland <Martin.Holland@waterNSW.com.au>
Cc: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>
Subject: FW: Local SEARs - Quarries - overdue

Hi

Could you please respond to Joel directly with any comments you have from WaterNSW. Catchment Protection have no comments.

Regards

Justine Clarke
Catchment and Asset Protection Adviser



Level 14, 169 Macquarie Street

PO Box 398

Parramatta NSW 2150

T: 02 9865 2402

M: 0457 535 955

justine.clarke@waterNSW.com.au

www.waterNSW.com.au



Milbrae Quarries Pty Ltd
Strontian Quarry

From: Geoff Pigram <gpigram@milbrae.com.au>
Sent: Tuesday, 13 August 2019 3:38 PM
To: Caiden O'Connor
Subject: FW: SEARs 1351 - Strontian Quarry

Hello Caiden,

I am not sure if we need to retain this for the record or not – see below SEARS response from Water NSW Assessment & Approval section.

Regards
Geoff Pigram
Milbrae Business Group
Mobile: 0427 262 032; Email: gpigram@milbrae.com.au
Office: 02 6953 4401 / Fax: 02 6953 5577
PO Box 225, Leeton NSW 2705
<http://www.milbrae.com.au>



From: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>
Sent: Tuesday, 13 August 2019 2:22 PM
To: Geoff Pigram <gpigram@milbrae.com.au>
Subject: SEARs 1351 - Strontian Quarry

Hi Geoff,

Please see the SEARs response from Water NSW - Assessment and Approval.

Regards,

Joel Herbert
Environmental Assessment Officer
Energy and Resource Assessments
320 Pitt Street | GPO Box 39 | Sydney NSW 2001

T 02 8289 6614 | E Joel.Herbert@planning.nsw.gov.au

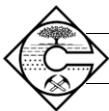


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From: Simone Tonkin <Simone.Tonkin@waterNSW.com.au>
Sent: Tuesday, 13 August 2019 1:37 PM



To: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>

Subject: RE: Local SEARs - Quarries - overdue

Joel,

I have had look at the referral and there is no requirements for Assessments and Approval section of WaterNSW. I do believe that Justine Clarke from our Catchment Protection Dept has responded on behalf of their section.

Regards Simone

Simone Tonkin

Water Regulation Officer

Assessment and Approvals

Customer & Community



PO Box 453, DENILIQUIN NSW 2710 | 8-20 Edwardes St, DENILIQUIN NSW 2710

T: (03) 5880 1736 | M: 0427 138 188

E: simone.tonkin@watnsw.com.au

www.watnsw.com.au

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Milbrae Quarries Pty Ltd
Strontian Quarry

From: Geoff Pigram <gpigram@milbrae.com.au>
Sent: Wednesday, 21 August 2019 4:29 PM
To: Caiden O'Connor
Subject: FW: Strontian Quarry, Local SEARs

Importance: High

Hello Caiden,

Please see below Narrandera Shire Council response to SEARs for Strontian.

Regards
Geoff Pigram
Milbrae Business Group
Mobile: 0427 262 032; Email: gpigram@milbrae.com.au
Office: 02 6953 4401 / Fax: 02 6953 5577
PO Box 225, Leeton NSW 2705
<http://www.milbrae.com.au>



From: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>
Sent: Thursday, 15 August 2019 11:33 AM
To: Geoff Pigram <gpigram@milbrae.com.au>
Subject: FW: Strontian Quarry, Local SEARs
Importance: High

Hi Geoff,

Please see Council's response for the Strontian Quarry SEARs.

This is the last of the SEARs responses for Strontian. Feel free to call me if you have any questions regarding them.

Regards,

Joel Herbert
Environmental Assessment Officer
Energy and Resource Assessments
320 Pitt Street | GPO Box 39 | Sydney NSW 2001

T 02 8289 6614 | E Joel.Herbert@planning.nsw.gov.au



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From: Ryan, Helen <Helen.Ryan@Narrandera.nsw.gov.au>
Sent: Thursday, 15 August 2019 10:44 AM
To: Joel Herbert <Joel.Herbert@planning.nsw.gov.au>
Subject: RE: Strontian Quarry, Local SEARs
Importance: High

Hi Joel

Please find following Council's comments in response to the proposed development.

Key factors:

- Most truck movements from the quarry will go to the highway - 250m length along Council road
- Quarry is presently up to 5 trucks per day
- Proposed expansion increases to 22 trucks per day
- Expected traffic volume near the quarry will be up to 88 vehicles per day
- Council mapping shows this section of Strontian Rd is a school bus route

School bus safety is a risk matter that needs to be carefully considered. It is likely the bus would pass one of the gravel trucks a couple of times per week. When passing, the bus and the truck will be potentially moving at relatively low speed due to approaching or departing the highway intersection at the time. The road at this location has sufficient width for two vehicles to pass, however for school bus safety the developer would be required to fund the following works:

- the road shoulders of this section of road be carefully graded
- extra gravel be placed on the shoulders
- 1 metre extra bitumen width be added each side

The developer would be required to fund the following works between 50m south of the quarry entrance up to the highway intersection (total approximately 300 metres) to safely accommodate the additional truck movements:

- Each side of the road to have 2 metre width of shoulder graded smooth and level to the bitumen with additional gravel brought in as required
- Each side of the road to have 1 metre additional width of bitumen seal placed, making total bitumen width about 8 metres
- At the entrance to quarry the seal and gravel shoulder to curve into the driveway such that large trucks will keep their wheels on the bitumen

Council anticipates additional wear on the 250m section of Strontian Rd up to the highway, especially where the trucks are turning. Council recommends an assessment be undertaken prior to the development followed by routine monitoring. If damage is noted within this section of road, it would be appropriate to ask the developers to contribute to the repair cost. Council notes the current operators have proven to be good corporate citizens in the past and have quickly assisted with such matters at other locations within the shire.

If you have further enquiries regarding this matter, please contact Council's Development & Environment section quoting folder # 92302 (phone 02-6959 5510 or email council@narrandera.nsw.gov.au)

If you have plans and specifications to submit, please email to council@narrandera.nsw.gov.au. Council's email server will not accept email attachments over 8MB. Multiple and larger files should be grouped and transmitted by a large-file sending service.

Regards

Helen Ryan



Milbrae Quarries Pty Ltd
Strontian Quarry

Manager Development & Environment



PH: (02) 6959 5510

Fax: (02) 6959 1884

Em ail: council@narrandera.nsw.gov.au



Narrandera Shire Council acknowledges the traditional owners of the lands of Narrandera Shire, the Wiradjuri people.

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From: Hugo, Bridey
Sent: Tuesday, 9 July 2019 3:40 PM
To: 'Joel Herbert'
Cc: Ryan, Helen
Subject: Strontian Quarry, Local SEARs

Hi Joel

Thanks for this.

Please note that this is the first time Narrandera Shire Council has been notified of this information. We'll need sufficient time to review and respond.

Kind regards

Bridey Hugo
Development & Environment Officer
PH: (02) 6959 5510 | Fax: (02) 6959 1884 | Email: council@narrandera.nsw.gov.au

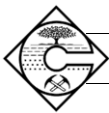


**VOICE
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JULY 2019
Let's work together for a shared future.



Narrandera Shire Council acknowledges the traditional owners of the lands of Narrandera Shire, the Wiradjuri people.

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From: Joel Herbert [<mailto:Joel.Herbert@planning.nsw.gov.au>]
Sent: Tuesday, 9 July 2019 11:17 AM
To: Hugo, Bridey
Subject: Strontian Quarry, Local SEARs

Good Morning,

Proposal – Strontian Quarry, Narrandera
EAR ID No. 1351

RW Corkery and CO Pty Ltd on behalf of Milbrae Quarries Pty Ltd (the Applicant) has requested the requirements of the Secretary of the Department of Planning and Environment for the preparation of an Environmental Impact Statement (EIS) for the above local designated development located in Narrandera Shire local government area.

Please download and view the documents via the following dropbox link:
<https://www.dropbox.com/sh/a47q5o9nlkt33k0/AABQ6tbiJJPwTD8AhIIwhCCra?dl=0>

I have attached a copy of the Applicant's request for your reference.

Under Schedule 2 of the *Environmental Planning and Assessment Regulation 2000*, the Secretary is requesting your requirements for the EIS.

It would be greatly appreciated if we could receive your advice **ASAP**.

If you have any queries, please contact me on the details below.

Regards,

Joel Herbert
Environmental Assessment Officer
Energy and Resource Assessments
320 Pitt Street | GPO Box 39 | Sydney NSW 2001

T 02 8289 6614 | E Joel.Herbert@planning.nsw.gov.au



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