



SEARs Compliance Table

Maroota Friable Sandstone Extraction Project



Deerubbin LALC

DESIGN
COLLABORATIVE



SEARs Compliance Table

SEARs Compliance Table – Department of Planning		
Section	SEARs Requirement	EIS Section
General Requirements	Stand-alone executive summary	Executive Summary
	A full description of the development including:	Section 3
	The resource to be extracted, including the amount, type and composition;	Section 2.3 & 3 Annexure 7
	The site layout and extraction plan, including cross-sectional plans;	Annexure 18
	the production process and processing activities, including the in-flow and out-flow of materials and points of discharge to the environment;	Section 3.2.5
	surface infrastructure and facilities (including any infrastructure that would be required for the development, but the subject of a separate approvals process);	Section 3.2
	a waste (overburden, rejects, tailings etc) management strategy;	Section 3.2.7, 3.2.12 & 7.7
	a rehabilitation strategy to apply during, and after completion of, extraction operations, and proposed final use of site; and	Section 3.3 Annexure 17
	the likely interactions between the development and any existing, approved or proposed development in the vicinity of the site;	Section 7, 7.10, 8 Annexure 15
	A strategic justification of the development focusing on site selection and the suitability of the proposed site;	Section 4, 8 & 8.2.7
	A list of any approvals that must be obtained before the development may commence;	Section 5.4 & 5.5
	An assessment of the likely impacts of the development on the environment, focussing on the key issues identified below, including:	Section 7
	A description of the existing environment likely to be affected by the development, using sufficient baseline data;	Section 2 & 7
	An assessment of the likely impacts of all stages of the development, including any cumulative impacts, taking into consideration any relevant laws, environmental planning instruments, guidelines, policies, plans and industry codes of practice;	Section 7
	- A description of the measures that would be implemented to avoid, minimise, mitigate and/or offset the likely impacts of the development, and an assessment of: - Whether these measures are consistent with industry best practice, and represent the full range of reasonable and feasible mitigation measures that could be implemented;	Section 7 Annexure 5
		Section 7

SEARs Compliance Table

SEARs Compliance Table – Department of Planning		
Section	SEARs Requirement	EIS Section
	o The likely effectiveness of these measures; and	Section 7
	o Whether contingency measures would be necessary to manage any residual risks; and	Section 7
	• A description of the measures that would be implemented to monitor and report on the environmental performance of the development;	Section 7 Annexure 5
	A consolidated summary of all the proposed environmental management and monitoring measures, identifying all the commitments in the EIS;	Annexure 5
	Consideration of the development against all relevant environmental planning instruments (including Part 3 of the State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007);	Section 5 Annexure 6
	The reasons why the development should be approved, having regard to:	Section 8
	• Relevant matters for consideration under the Environmental Planning and Assessment Act 1979, including the objects of the Act;	Section 8.1 & 8.2
	• The biophysical, economic and social impacts of the project, including the principles of ecologically sustainable development;	Section 8.1 & 8.2.6
	• The suitability of the site with respect to potential land use conflicts with existing and future surrounding land uses;	Section 7.10 & 8.2.7
	• Feasible alternatives to the development (and its key components), including the consequences of not carrying out the development;	Section 8.3
	A signed declaration from the author of the EIS, certifying that the information contained within the document is neither false nor misleading.	Statement of Validity
	In addition to the matters set out in Schedule 1 of the Environmental Planning and Assessment Regulation 2000, the development application must be accompanied by a signed report from a suitably qualified expert that includes an accurate estimate of the capital investment value (as defined in Clause 3 of the Environmental Planning and Assessment Regulation 2000) of the development, including details of all the assumptions and components from which the capital investment value calculation is derived.	Annexure 25
Water	A detailed site water balance, 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;	Section 3.2.6 & 7.4 Annexure 10
	Identification of any licensing requirements or other approvals under the Water Act 1912 and/or Water Management Act 2000;	Section 5.5 & 7.4.2 Annexure 10
	Demonstration that water for the construction and operation of the development can be obtained from an appropriately authorised and reliable	Section 3.2.6 & 7.4 Annexure 10

SEARs Compliance Table

SEARs Compliance Table – Department of Planning		
Section	SEARs Requirement	EIS Section
	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 WSP or water source embargo;	Section 3.2.6 & 7.4.6 Annexure 5 & 10
	An assessment of any likely flooding impacts of the development;	Section 7.4 Annexure 10
	A detailed assessment of any need to maintain an adequate buffer between excavations and the highest predicted or recorded regional groundwater table;	Section 7.4.7 Annexure 10
	An assessment of the likely impacts on the quality and quantity of existing surface and ground water resources, including a detailed assessment of proposed water discharge quantities and quality against receiving water quality and flow objectives;	Section 7.4.7 Annexure 10
	An assessment of the likely impacts of the development on aquifers, watercourses, riparian land, water-related infrastructure, and other water users; and	Section 7.4.7 Annexure 10 & 8
	A detailed description of the proposed water management system (including sewage), water monitoring program and other measures to mitigate surface and groundwater impacts;	Section 7.4.6 Annexure 5 & 10
Noise	A detailed assessment of the likely construction, operational, cumulative and off-site transport noise impacts of the development in accordance with the Interim Construction Noise Guideline, NSW Noise Policy for Industry and the NSW Road Noise Policy respectively, and having regard to the Voluntary Land Acquisition and Mitigation Policy;	Section 7.2 & Annexure 9
Blasting & Vibration	Proposed hours, frequency, methods and impacts; and an assessment of the likely blasting and vibration impacts of the	N/A – no blasting proposed
	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;	Section 7.12 Annexure 9
Air Quality	A detailed assessment of potential construction and operational impacts, in accordance with the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW, and with a particular focus on dust emissions including PM2.5 and PM10, and having regard to the Voluntary Land Acquisition and Mitigation Policy;	Section 7.8 Annexure 13
Biodiversity	Accurate predictions of any vegetation to be cleared on site;	Section 7.1.3 Annexure 8

SEARs Compliance Table

SEARs Compliance Table – Department of Planning		
Section	SEARs Requirement	EIS Section
	A detailed assessment of the likely biodiversity impacts of the development, paying particular attention to threatened species, populations and ecological communities and groundwater dependent ecosystems, undertaken in accordance with the Biodiversity Assessment Method and documented in a Biodiversity Development Assessment Report; and	Section 7.1.3 Annexure 8
	A strategy to offset any residual impacts of the development in accordance with the offset rules under the Biodiversity Conservation Act 2016;	Section 3.4 Annexure 8
Heritage	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	Section 7.9 Annexure 14
	Identification of historic heritage in the vicinity of the development and an assessment of the likelihood and significance of impacts on heritage items;	Section 7.9.6
Traffic & Transport	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;	Section 7.5.6.1 Annexure 11
	A detailed assessment of potential traffic impacts on the capacity, condition, safety and efficiency of the local and State road network (as identified above), including a road safety audit;	Section 7.5.6 Annexure 11
	A description of the measures that would be implemented to mitigate any impacts; and	Section 7.5.7 Annexure 5 & 11
	A detailed assessment of the cumulative traffic impacts on the local road network, having regard for the existing, approved and proposed developments in the Maroota Area;	Section 7.5.6.4 Annexure 11
Land Resources	Potential impacts on soils and land capability (including potential erosion and land contamination);	Section 7.10.3 Annexure 15
	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	Section 7.10.3 Annexure 15
	The compatibility of the development with other land uses in the vicinity of the development in accordance with the requirements in Clause 12 of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007, paying particular attention to the agricultural land use in the region;	Section 7.10.4 Annexure 15

SEARs Compliance Table

SEARs Compliance Table – Department of Planning		
Section	SEARs Requirement	EIS Section
Waste	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;	Section 7.7 Annexure 5
Hazards	An assessment of the likely risks to public safety, paying particular attention to potential bushfire risks and the transport, handling and use of any hazardous or dangerous goods;	Section 7.3
Visual	A detailed 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, paying particular attention to any new landforms;	Section 7.6 Annexure 12
Social	A detailed assessment of the potential social impacts of the development that builds on the findings of the Social Impact Assessment Scoping Report, in accordance with the Social impact assessment guideline for State significant mining, petroleum production and extractive industry development, paying particular consideration to: • How the development might affect people's way of life, community, access to and use of infrastructure, services and facilities, culture, health and wellbeing, surroundings, personal and property rights, decision-making systems, and fears and aspirations; • Identifies and analyses the potential social impacts of the development, from the points of view of the affected community/ies and other relevant stakeholders, i.e. how they expect to experience the project • The principles in Section 1.3 of the guideline; • The review questions in Appendix D of the guideline; and • The recommendations made in Attachment 3;	Section 7.11.3 Annexure 16
Economic	A detailed assessment of the likely economic impacts of the development, paying particular attention to: • Significance of the resource; • The costs and benefits of the project; identifying whether the development as a whole would result in a net benefit to NSW, including consideration of fluctuation in commodity markets and exchange rates; and • The demand on local infrastructure and services; and	Section 7.11.5 Annexure 16

SEARs Compliance Table

SEARs Compliance Table – Department of Planning		
Section	SEARs Requirement	EIS Section
Rehabilitation	The proposed rehabilitation strategy for the site having regard to the key principles in the Strategic Framework for Mine Closure, including: - Rehabilitation objectives, methodology, monitoring programs, performance standards and proposed completion criteria; nominated final land use, having regard to any relevant strategic land use planning or resource management plans or policies; and - The potential for integrating this strategy with any other rehabilitation and/or offset strategies in the region.	Section 3.3 Annexure 5 & 17
	During the preparation of the EIS, you must consult with relevant local, State and Commonwealth Government authorities, service providers, Aboriginal stakeholders, community groups and affected landowners. In particular you must consult with: - Affected landowners; - Community groups; - The Hills Shire Council; - Energy Environment and Science within the Department; - Environment Protection Authority; - Division of Resources and Geoscience within the Department; - Department of Primary Industries (including NSW Forestry, Agriculture and Fisheries); - Department of Industry – Water; - Department of Primary Industries – Agriculture; - Greater Sydney Local Land Services; - Crown Lands within the Department; - NSW Health; - Water NSW; - NSW Rural Fire Service; - Transport for NSW; - Natural Resources Access Regulator - Roads and Maritime Services; and Establish a Community Consultative Committee for the project in accordance with the Community Consultative Committee Guidelines for State Significant Projects, and consult with the committee during the preparation of the EIS; and The EIS must: - describe the consultation process used and demonstrate that effective consultation has occurred; - describe the issues raised; - identify where the design of the development has been amended and/or mitigation proposed to address issues raised; and - otherwise demonstrate that issues raised have been appropriately addressed in the assessment.	Section 6

SEARs Compliance Table

SEARs Compliance Table – EPBC Regulation, Schedule 4		
Section	SEARs Requirement	EIS Section
1 General Information	(a) the title of the action;	Section 1
	(b) the full name and postal address of the designated proponent;	Section 1
	(c) a clear outline of the objective of the action;	Section 1.3
	(d) the location of the action;	Section 1.2
	(e) the background to the development of the action;	Section 1.5
	(f) how the action relates to any other actions (of which the proponent should reasonably be aware) that have been, or are being, taken or that have been approved in the region affected by the action;	Section 2.5
	(g) the current status of the action;	Section 1.5
	(h) the consequences of not proceeding with the action.	Section 8.3
2 Description	(a) all the components of the action;	Section 5.3
	(b) the precise location of any works to be undertaken, structures to be built or elements of the action that may have relevant impacts;	Section 3.1
	(c) how the works are to be undertaken and design parameters for those aspects of the structures or elements of the action that may have relevant impacts;	Section 3.1
	(d) relevant impacts of the action;	Section 5.7
	(e) proposed safeguards and mitigation measures to deal with relevant impacts of the action;	Section 5.7 Annexure 8
	(f) any other requirements for approval or conditions that apply, or that the proponent reasonably believes are likely to apply, to the proposed action;	Sections 5.4, 5.5 and 5.7
	(g) to the extent reasonably practicable, any feasible alternatives to the action, including: (i) if relevant, the alternative of taking no action; (ii) a comparative description of the impacts of each alternative on the matters protected by the controlling provisions for the action; (iii) sufficient detail to make clear why any alternative is preferred to another;	Section 8.3
	(h) any consultation about the action, including: (i) any consultation that has already taken place; (ii) proposed consultation about relevant impacts of the action; (iii) if there has been consultation about the proposed action—any documented response to, or result of, the consultation;	Section 5.6

SEARs Compliance Table

SEARs Compliance Table – EPBC Regulation, Schedule 4		
Section	SEARs Requirement	EIS Section
3 Relevant Impacts	(i) identification of affected parties, including a statement mentioning any communities that may be affected and describing their views.	Section 6.3
	(a) a description of the relevant impacts of the action;	Section 7
	(b) a detailed assessment of the nature and extent of the likely short term and long term relevant impacts;	Section 7.1.3
	(c) a statement whether any relevant impacts are likely to be unknown, unpredictable or irreversible;	Section 7.1.3
	(d) analysis of the significance of the relevant impacts;	Section 7.1.3
	(e) any technical data and other information used or needed to make a detailed assessment of the relevant impacts.	Annexure 8
	(a) a description, and an assessment of the expected or predicted effectiveness of, the mitigation measures;	Section 7.1.4.1
	(b) any statutory or policy basis for the mitigation measures;	Section 5
	(c) the cost of the mitigation measures;	Section 3.4
	(d) an outline of an environmental management plan that sets out the framework for continuing management, mitigation and monitoring programs for the relevant impacts of the action, including any provisions for independent environmental auditing;	Section 5.4 and 5.5 Annexure 5
4 Proposed Safeguards and Mitigation Measures	(e) the name of the agency responsible for endorsing or approving each mitigation measure or monitoring program;	Section 3.3.3, 3.4, 5.4 and 5.5
	(f) a consolidated list of mitigation measures proposed to be undertaken to prevent, minimise or compensate for the relevant impacts of the action, including mitigation measures proposed to be taken by State governments, local governments or the proponent.	Annexure 5
	(a) details of any local or State government planning scheme, or plan or policy under any local or State government planning system that deals with the proposed action, including:	
	(i) what environmental assessment of the proposed action has been, or is being, carried out under the scheme, plan or policy;	Section 5.5
5 Other Approvals and Conditions	(ii) how the scheme provides for the prevention, minimisation and management of any relevant impacts;	
	(b) a description of any approval that has been obtained from a State, Territory or Commonwealth agency or authority (other than an approval under the Act), including any conditions that apply to the action;	Section 5.5
	(c) a statement identifying any additional approval that is required;	Section 5.5

SEARs Compliance Table

SEARs Compliance Table – EPBC Regulation, Schedule 4		
Section	SEARs Requirement	EIS Section
	(d) a description of the monitoring, enforcement and review procedures that apply, or are proposed to apply, to the action.	Annexure 5
6 Environmental Record of Person Proposing to Take the Action	6.01 Details of any proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against: (a) the person proposing to take the action; and (b) for an action for which a person has applied for a permit, the person making the application.	N/A
	6.02 If the person proposing to take the action is a corporation—details of the corporation’s environmental policy and planning framework.	Annexure 2
7 Information Sources	7.01 For information given in a draft public environment report or environmental impact statement, the draft must state: (a) the source of the information; and (b) how recent the information is; and (c) how the reliability of the information was tested; and (d) what uncertainties (if any) are in the information.	Quality Assurance

SEARs Compliance Table – Other Matters Commonwealth Department of Agriculture, Water and the Environment		
Section	SEARs Requirement	EIS Section
EPBC Assessment Requirements	14. For each of the EPBC Act listed species predicted to occur in the project site, and each of the EPBC Act listed ecological communities likely to be significantly impacted, the EIS/Biodiversity Development Assessment Report (BDAR) must provide: (a) survey results, including details of the scope, timing and methodology for studies or surveys used and how they are consistent with (or justification for divergence from) published Commonwealth guidelines and policy statements and/or the NSW Biodiversity Assessment Method (BAM);	Annexure 8
	(b) a description and quantification of habitat in the study area (including suitable breeding habitat, suitable foraging habitat, important populations and habitat critical for survival), with consideration of, and reference to, any relevant Commonwealth guidelines and policy statements including listing advices, conservation advices and recovery plans, threat abatement plans and wildlife conservation plans; and	

SEARs Compliance Table

SEARs Compliance Table – Other Matters Commonwealth Department of Agriculture, Water and the Environment		
Section	SEARs Requirement	EIS Section
	(c) maps displaying the above information (specific to each EPBC protected matter) overlaid with the proposed action.	
EPBC Assessment Requirements	16. For each of the EPBC Act listed species and communities likely to be impacted by the development, the EIS/BDAR must provide information on proposed avoidance and mitigation measures to deal with the impacts of the action, and a description of the predicted effectiveness and outcomes that the avoidance and mitigation measures will achieve.	Annexure 8
	17. The EIS/BDAR must identify each EPBC Act listed species and community likely to be significantly impacted by the proposed action. Where a significant impact is likely, the EIS must provide information on the proposed offset strategy, including discussion of the conservation benefit, how offsets will be secured, and timing of protection.	
Aboriginal Heritage and Consultation	15. The EIS/BDAR must describe the nature, geographic extent, magnitude, timing and duration of any likely direct, indirect and consequential impacts on any relevant EPBC Act listed species and communities. It must clearly identify the location and quantify the extent of all impact areas to each relevant EPBC Act listed species or community.	Annexure 14