

Consolidated Project Description

The approved development (DA 265-10-2004) as modified, includes:

- Carrying out quarrying operations on the site until 31 December 2034.
- Extraction (excluding overburden), processing, stockpiling and transport of up to 500,000 tonnes of quarry products in any calendar year.
- Extraction method is drilling and blasting.
- Extraction area depth is limited to RL65m.
- Operating hours are as follows:
 - Quarrying Operations:
 - 7.00 am to 9.00 pm, Monday to Friday.
 - 7.00 am to 10.00 pm, Monday to Friday on 50 calendar days per year.
 - 7.00 am to 6.00pm Saturday.
 - No drilling 6.00 pm to 10.00 pm Monday to Friday or 1.00 pm to 6.00 pm Saturday.
 - No quarrying operations on Sundays or Public Holidays.
 - Product Loading and Dispatch:
 - 5.00 am to 9.00 pm, Monday to Friday.
 - 5.00 am to 10.00 pm, Monday to Friday on 50 calendar days per year.
 - 6.00 am to 6.00pm Saturday.
 - No quarrying operations on Sundays or Public Holidays.
 - Construction Activities:
 - 7.00 am to 6.00 pm, Monday to Friday; and 8.00 am to 1.00 pm Saturdays unless noise from construction activities does not exceed 40 dB(A) _{LAeq(15 min)} at any privately-owned residence
 - Maintenance Activities:
 - 24 hours a day, 7 days per week, providing maintenance activities are inaudible at any privately-owned residence.
- Blasting on site is to be carried out between 9:00am and 5:00pm Monday to Friday, with no more than two combined blasts per week to be carried out between KHRQ and KEQ.
- Haulage from the site is via Andersite Road and The Branch Lane to the A1 Pacific Highway.
- Formalise a total disturbance footprint of approximately 28.1ha (current area of disturbance).
- Total native vegetating clearing in Lot 11 DP 1024564 of approximately 10.8ha of the Stage 2 extraction area.
- Establishment of a 16ha conservation offset area in part of Lot 12 DP 1024564 as conceptually identified within Appendix 2 of DA 265-10-2004.
- Use of existing quarry plant and infrastructure (fixed and mobile equipment), including crushing plant and processing infrastructure, stockpiling areas, internal haulage roads, weighbridge and weighbridge office, administration offices, workshops, amenity facilities, parking areas for light and heavy vehicles other minor structures, and fencing.
- Establishment of stormwater infrastructure, comprising the use of one sediment dam (the former Karuah Red Quarry void).
- Application of conditions to manage / mitigate potential impacts associated with a range of environmental conditions including noise; blasting; air quality; soil and water; transport; biodiversity; heritage; emergency and hazards management and waste.
- Progressive rehabilitation of the subject site.

The table below provides the key features of the Approved Development (as modified).

Element	Original Project		Modified Project (inclusive of MOD 2)
Quarry Operations			
Quarry life	3 June 2027.		31 December 2034.
Production limit	500,000 tonnes of material per annum.		No change.
Operating hours	Construction Activities	7:00am to 6:00pm, Monday to Friday. 7:00am to 1:00pm Saturday. - No work on Sunday and Public Holidays.	7.00 am to 6.00 pm, Monday to Friday; and 8.00 am to 1.00 pm Saturdays unless noise from construction activities does not exceed 40 dB(A) _{L_{Aeq}(15 min)} at any privately-owned residence.
	Quarrying Operations	7:00am to 6:00pm, Monday to Friday. 7:00am to 1:00pm Saturday. - No work on Sunday and Public Holidays.	7.00 am to 9.00 pm, Monday to Friday. 7.00 am to 10.00 pm, Monday to Friday on 50 calendar days per year. 7.00 am to 6.00pm Saturday. - No drilling 6.00 pm to 10.00 pm Monday to Friday or 1.00 pm to 6.00 pm Saturday. - No quarrying operations on Sundays or Public Holidays.
	Product loading and dispatch	7:00am to 6:00pm, Monday to Friday. 7:00am to 1:00pm Saturday. - No work on Sunday and Public Holidays.	5.00 am to 9.00 pm, Monday to Friday. 5.00 am to 10.00 pm, Monday to Friday on 50 calendar days per year. 6.00 am to 6.00pm Saturday. - No quarrying operations on Sundays or Public Holidays.
	Maintenance works on plant and machinery	7:00am – 6:00pm, 7 days per week and public holidays.	24 hours a day, 7 days per week, providing maintenance activities are inaudible at any privately-owned residence.
Blasting	9:00am to 3:00pm Monday to Friday, with no more than one blast per week.		9:00am to 5:00pm Monday to Friday, with no more than two blasts per week cumulatively at KHRQ and KEQ.
Extraction Method	Drilling and blasting.		No change.
Extraction Area Depth	RL65m.		No change.
Vehicle Movements	Average 65 laden trips per day (130 movements).		No change.
Haulage	Haulage from site via the A1 Pacific Highway. Access to the A1 Pacific Highway via Andersite Road and The Branch Lane.		No change.
Employment	Approximately 16 staff.		No change.

Project Area			
Total Footprint	Disturbance	DA 265-10-2004 does not specify a total disturbance footprint for the KHRQ. DA 265-10-2004 provided approval to implement the remainder of the existing & approved Stage1 operation and extend the extraction area of the quarry into the Stage 2 area (Lot 11 DP 1024564), which included an approximate additional disturbance area of 10.8ha.	No new additional disturbance is proposed. Formalise a total disturbance area for the KHRQ of approximately 28.1ha (current area of disturbance of KHRQ).
Native Clearance	Vegetation	DA 265-10-2004 does not specify a total approved area of native vegetation clearance for the KHRQ. DA 265-10-2004 provided approval to implement the remainder of the existing & approved Stage1 operation and extend the extraction area of the quarry into the Stage 2 area (Lot 11 DP 1024564), which required clearing of an approximate 10.8ha of native vegetation.	No change. No vegetation clearing is necessary to accommodate MOD 2.
Conservation Offset Area		Establishment of a 16ha conservation offset area in part of Lot 12 DP 1024564 as identified within Appendix 2 of DA 265-10-2004.	No change.
Physical Layout and Design			
Plant and infrastructure		- Crushing plant and processing infrastructure (fixed and mobile equipment). - Stockpiling areas. - Internal haulage roads. - Weighbridge and weighbridge office. - Administration offices. - Amenity facilities. - Sheds, workshops and other minor structures. - Fencing.	No change.
Stormwater infrastructure		One (1) on site dam (Sediment Dam 2) in accordance with the Site Water Management Plan. Operation of an in-pit sump that pumps to Sediment Dam 2.	No change, however the in-pit sump will be proportionally upgraded.
Parking		Sufficient parking for all quarry related traffic to be provided.	No change.
Access		All vehicular access to and from the quarry and the A1 Pacific Highway is via the grade separated interchange at The Branch Lane.	No change.

Rehabilitation	Rehabilitation of the site.	No change. The KHRQ Rehabilitation and Closure Plan will be updated to respond to the revised final topography post extractive activity and establish a free draining landscape.
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