

Minutes

1 April 2025

Project name	Karuah East Quarry - Community Consultative Committee	From	Michael Ulph
Subject	CCC Meeting Minutes – March 2025	Tel	0458 049 847
Date / Time	17 March / 4.08pm	Project no.	2218437
Attendees	Michael Ulph (Chairperson) Scott Ellerton (Karuah East Quarry Pty Ltd) Mat Radnidge (ADW Johnson) Darryn Bosch (Karuah East Quarry Pty Ltd) John Lyall (Port Stephens Shellfish Program) Bob Trotter (Community Representative) Uwe Seil (Community Representative) Wade Cameron (Community Representative) Tessa Hestelow (Community Representative) Mathew Bell (Mid Coast Council)	Apologies	Janine Reid (North Arm Cove Residents Association)
Others not present	Karuah LALC Representative		
Objective	Record discussion and actions from this meeting.		

Agenda Item	Notes
Welcome	<ul style="list-style-type: none"> - Michael Ulph (Michael U) acknowledged the Worimi people as the traditional owners in the region, and paid respect to Elders past, present and future.
Declaration of Pecuniary Interests	<ul style="list-style-type: none"> - Michael U confirmed that Karuah East Quarry Pty Limited (KEQPL) is paying GHD (his employer) a fee for Michael to act as the Independent Chairperson. - Mat Radnidge (Mat R) confirmed that KEQPL is paying ADW Johnson (his employer) a fee for Mat to be a member of the CCC. - Scott Ellerton (Scott E) and Darryn Bosch (Darryn B) are employees of KEQPL.
Acceptance of Previous Minutes	<ul style="list-style-type: none"> - Draft CCC Meeting Minutes dated 9 September 2024. <ul style="list-style-type: none"> • Moved: Uwe Seil • Seconded: John Lyall
Correspondence	<ul style="list-style-type: none"> - Draft minutes dated 9 September 2024 were emailed to CCC members by Michael U for review / comment on 24 September 2024. No comments were received. - Email invitations to today's meeting were supplied. - Draft Terms of Reference were sent out as a precursor to discussions of them today.

Agenda Item	Notes
Company Report & Overview of Activities	<p><u>SLIDES 2 to 4:</u></p> <ul style="list-style-type: none"> - Scott E described the project in summary, including current approvals, licences, management plans and project history. - Scott E noted that current extraction levels are at approximately 1.2 million tonnes per annum. Michael U commented that the consented limit is 1.5 million tonnes per annum. - Mat R confirmed that all approvals and management plans are available on the Hunter Quarries website. - A hard copy of the latest approved plan (MOD 10) was made available for CCC viewing. - A hard copy of the 'Karuah Complex' plan was also made available for CCC viewing. This plan shows the location of the KEQ in the context of existing and proposed quarries as well as environmental offset areas. - With reference to the earlier inspection of the extraction area, Scott E noted that another 2 or 3 benches are yet to be cut in. <p><u>SLIDE 5:</u></p> <ul style="list-style-type: none"> - MOD 1 (the pink area in the image) provided approval for a nominal disturbance footprint expansion to allow for improved vehicle manoeuvring in the proximity of the primary crusher. - MOD 2 (the orange area in the image) provided approval for additional disturbance area to improve operational safety by separating light and heavy vehicle movements as well as improving surface water management. <p><u>SLIDE 6:</u></p> <ul style="list-style-type: none"> - MOD 8 provided approval for modified operational noise criteria and mitigation via an enclosed primary crusher with pre-cast concrete and hushclad roof and enclosing of the secondary crusher (north and east elevations) with hushclad. - MOD 9 provided approval for extended hours of operation, and was informed by a noise impact assessment. <p><u>SLIDE 7:</u></p> <p>Latest Approved Site Plan (MOD 10)</p> <ul style="list-style-type: none"> - MOD 10 is the latest Modification approval that was granted in May 2023 by the NSW Department of Planning, Housing and Infrastructure (NSW Planning). - Figure 5 in the presentation is an extract of the approved MOD 10 site plan. - MOD 10 is awaiting Commonwealth EPBC approval. Draft conditions of the proposed variation to the current 2014 approval (EPBC 2014/7282) have been reviewed by KEQPL and a response provided to the Federal Department of Climate Change, Energy, the Environment and Water (DCCEEW). - After the 2014 EPBC Approval is varied, the DCCEEW will process the 2022 EPBC approval. Tessa H asked why are two EPBC approvals necessary? Mat R clarified: <ul style="list-style-type: none"> o In addition to the Major Project Approval (MP09_0175) issued by the NSW DPHI, KEQ requires approval from the Federal Government under the EPBC Act 1999. This is required due to ecology matters. o Prior to the initial establishment of the KEQ, an EPBC approval was obtained (EPBC 2014/7282).

Agenda Item	Notes
	<ul style="list-style-type: none"> ○ The MOD 10 project generated the need for a new EPBC approval that deals specifically with the MOD 10 area (EPBC 2022/9164). EPBC 2022/9164 is being assessed under the bilateral agreement between both Federal and State Governments. ○ Whilst the State Government has approved MOD 10 (MP 09_0175 (MOD 10)), the Federal approval for MOD 10 (EPBC 2022/9164) has not yet been issued. This is because a variation to the original EPBC approval (EPBC 2014/7282) is needed first. KEQPL have recently received draft conditions for the variation to EPBC 2014/7282. KEQPL expect this variation to be approved shortly and after that expect that approval of EPBC 2022/9164 will be streamlined. ○ The different EPBC applications are being assessed by different sections of the DCCEEW. EPBC 2014/7282 is being assessed by the 'Post Approvals' Section and EPBC 2022/9164 is being assessed by the 'Assessment' Section. <ul style="list-style-type: none"> - Management Plans are being updated to incorporate the MOD 10 area. - Mat B asked if there are enough offsets available to cater for the impact to the existing offset area as a result of approved MOD 10? Scott E and Mat R explained that yes adequate replacement offsets are available on nearby land owned by KEQPL and the size and location are currently being refined. Mat B asked if the replacement offset will be land based? Scott E confirmed yes. - Wade C asked if a specific ratio of replacement land based offsets is needed and what is the ratio? Scott E noted that it is not ratio based but rather 'like for like' vegetation is required. Mat R noted that the Project Approval requires a total of approximately 130ha of land based offsets to be secured and the replacement offset will ensure that this area is maintained as well as 'like for like' vegetation. - Wade C asked if nest boxes are located within the area to be disturbed by MOD 10 and will they be relocated? Scott E confirmed yes there are. Mat R confirmed the nest box relocation will be addressed within the revised Biodiversity Offset Area Management Plan (required under both State and Commonwealth approval) that will be prepared in due course. <p><u>SLIDES 8 to 10:</u></p> <p>Compliance Monitoring</p> <ul style="list-style-type: none"> - Scott discussed monitoring results July to December 2024 (provided in the below commentary). - Recap of environmental monitoring locations was provided (Figure 7 in presentation). <p><u>SLIDES 11 to 13:</u></p> <ul style="list-style-type: none"> - Scott provided an overview of air quality results. - Results of the High Volume Air Sampler (HVAS) for Total Suspended Particles (TSP) and PM10 (particles below 10 microns) were well within compliance levels. - Depositional dust (recorded in dust deposition gauges) was generally within the compliance limit of 4g/m²/month. One anomalous result occurred at DDG4 (located on Halloran Road). Refer to Figure 10 in presentation. <p><u>SLIDES 14 to 17:</u></p> <ul style="list-style-type: none"> - Scott provided an overview of site water management.

Agenda Item	Notes
	<ul style="list-style-type: none"> - The monthly rainfall chart shows below average rainfall for October, November and December 2025. - Dam 1 is the primary water storage for KEQ and provides water for dust suppression. During July 2024 – December 2024 there were no discharges from Dam 1. - Dam 2 – During July 2024 – December 2024 there were 16 days of controlled discharges. All discharges were compliant with pH and TSS criteria. - Dam 3 – During July 2024 – December 2024 there were 27 days of controlled discharges. All discharges were compliant with pH and TSS criteria. <p><u>SLIDES 18 & 19:</u></p> <ul style="list-style-type: none"> - Scott provided an overview of noise monitoring results. - Quarterly noise monitoring was completed at the five (5) approved noise monitoring locations in the surrounding community on 9 & 27 August 2024 (Q3) and 19 & 25 November 2024 (Q4). - Both monitoring rounds were compliant with noise criteria at all locations during the morning shoulder, day and evening monitoring periods. - Attended noise monitoring locations are shown on Figure 16 of the presentation. <p><u>SLIDE 20:</u></p> <ul style="list-style-type: none"> - Scott provided an overview of blast monitoring results and production data. - There have been nine (9) blasts during July – December 2024. All blasts were within compliance limits. - Production during July 2024 – December 2024 was 550,947 tonnes. - Scott noted that current extraction levels were at approximately 1.2 million tonnes per year. <p><i>Post Meeting Note: Please note that Figure 17 is titled 'Post blast photo'. The image shown however is a 'pre blast' photo. KEQPL will update this in the next CCC meeting presentation produced.</i></p> <p><u>SLIDE 21:</u></p> <ul style="list-style-type: none"> - Scott E advised no community complaints were received during the reporting period, which is a pleasing result. <p><u>SLIDE 22:</u></p> <ul style="list-style-type: none"> - Scott E provided an overview of exceedances & non-compliances during the reporting period. - The Depositional Dust exceedance at DDG4 (4.4g/m²/month was recorded compared to the limit of 4.0g/m²/month) was an anomalous result. Scott E confirmed that NSW Planning, the NSW EPA and local residents were notified of the result in accordance with approval requirements. Scott E noted that this was an anomalous result that was not repeated at the other four DDG sites and is inconsistent with long term trends. Scott noted that the wind graph showed strong easterly winds during the month which placed the dust gauge "up-wind" of the quarry site. - Scott E provided an overview of the water management responses during heavy rainfall events between 9-12 January 2025 (185.8mm rainfall event) and 17-20 January 2025 (174.7mm rainfall event). - Michael U asked how Dam 1 performed during the heavy rainfall events? Scott E noted that the design threshold is for an approximate 90 mm rainfall

Agenda Item	Notes
	<p>event. As such, during both of the heavy rainfall events, uncontrolled discharge of sediment laden water (non-compliant discharges) occurred from Dams 1-3. The PIRMP was enacted, water treatment occurred (dams flocculated and ESC measures deployed) and the NSW EPA and residents notified as necessary.</p> <ul style="list-style-type: none"> - Wade C asked if water quality testing was done in Bulga Creek. Scott E noted that testing is not carried out directly in Bulga Creek; however is carried out downstream of Dam 1 (a tributary of Bulga Creek), consistent with KEQ's Water Management Plan.
Proposed MOD 11	<p><u>SLIDE 23:</u></p> <ul style="list-style-type: none"> - This project was introduced at the March 2024 CCC meeting and recapped at the September 2024 CCC meeting. There has been no change since the previous CCC meeting. - Scott E & Mat R provided a recap of the project: - Engineering design for the earthworks and surface water management for the approved MOD 10 development is progressing. - Preliminary findings confirm a further MOD application (MOD 11) will likely be required to accommodate design amendments, which will include: <ul style="list-style-type: none"> • Reduction in the steepness of grades generally from 4-8% to 2% which will result in a more efficient stockpiling area. • Surface water systems upgrade including separation of 'clean' and 'dirty' water storage (at present 'mixed use' dams are used) which is industry best practice that will allow for better targeted treatment. - It was noted that this project is on hold until the EPBC approvals for MOD 10 are resolved. - John L asked what do KEQPL test for during water quality monitoring. Scott E noted that in accordance with the Water Management Plan, discharge testing occurs for oil & grease, pH and total suspended solids / turbidity. - Wade C asked if KEQ is affected by acid sulphate soils? Mat R indicated no.
Karuah Resource Operations Project (KROP)	<p><u>SLIDES 24 & 25:</u></p> <ul style="list-style-type: none"> - Scott E and Mat R recapped the KROP proposal. - KROP was introduced to the committee at the March 2024 CCC meeting and recapped at the September 2024 meeting. There has been no change since this time. - HQPL are planning to adaptively reuse the Karuah Quarry site / infrastructure to establish the KROP, following completion of quarrying activity at Karuah Quarry. This will be limited to the land owned by HQPL, which is Lot 21 DP 1024341. Lot 11 DP 1024564 is owned by a separate party (Wedgerock Pty Ltd) and will not form part of the KROP proposal. - KROP will generally include: <ul style="list-style-type: none"> • Maintain and continue the use of existing infrastructure on the Karuah Quarry site. • Resource Recovery facility to meet increasingly mandated sustainability goals from government agencies eg. TfNSW, Council and Hunter Water. 15% recycled material blending is a mandate for many tenders. • Product import for processing and blending from other KEQPL affiliated operations including Karuah East, Tea Gardens and Gosforth Rhyolite Quarries.

Agenda Item	Notes
	<ul style="list-style-type: none"> • Tonnages and throughputs to be confirmed, but there will be no increase from the currently approved Karuah Quarry operations (500,000 tonnes per annum). • Nominal vegetation removal. <ul style="list-style-type: none"> - KROP will improve HQPL's ability to contribute to (and meet client specifications for important projects such as the Newcastle Inner-City Bypass and the M1 Pacific Motorway extension to Raymond Terrace). - The site is well suited for the KROP noting excellent access, proximity to other HQPL operations and minimal clearing needed. - Next steps: <ul style="list-style-type: none"> • Project details and design to be refined – continuing. • The site is relatively 'small' at 6.4ha which is a design challenge. HQPL are continuing to review processing layouts within this spatial constraint. - The CCC held the following group discussion: <ul style="list-style-type: none"> • Michael U noted that this project will contribute to 'circular economy'. That is, material is brought into the site, processed and is then able to be reused in future projects. • Mat R and Darryn B noted that products such as concrete, brick, tiles, masonry and asphalt will be able to be recycled at the site. Darren B noted that the facility will be able to produce Recycled Road Base (RRB). • Mat B asked if KROP will alter the approved rehabilitation of the Karuah Quarry? Mat R confirmed yes and that the KROP application will need to consider how the currently approved rehabilitation for Karuah Quarry will be affected by the KROP proposal. • Mat B asked will cumulative impacts be considered in terms of the proposed Karuah South Quarry. Mat R noted that yes, cumulative impacts will need to be considered by the application. • Mat B asked the status of Karuah South Quarry application. Mat R noted that proposed Karuah South is not a Hunter Quarries application and on the NSW Planning website it indicates that the application is under assessment.
CCC Terms of Reference	<ul style="list-style-type: none"> - Michael U guided the CCC through the Terms of Reference documentation, which is required to be reviewed by the CCC annually. - Michael U offered the CCC members the opportunity to make comment / ask any questions. No questions / comments were raised other than the content is satisfactory. - All CCC members agreed with the Terms of Reference to be carried forward for the next 12 months. - Michael U asked if the meeting time continued to suit CCC members? Tessa noted that the meeting time (4pm) suits her however the earlier site inspection at 3pm does not work for her due to other commitments (however Tessa did not request the site inspection time change as it suited others). Scott E noted that he is happy to arrange an inspection for Tessa upon request.
General Business	<ul style="list-style-type: none"> - Michael noted that Janine Reid will replace Goetz Schraer as a permanent member of the CCC.

Agenda Item	Notes
	<ul style="list-style-type: none"> - Mat B noted that moving forward, Andrew Morris, Catchment Management Coordinator, will be Council's alternate delegate to attend future CCC meetings. - Mat B noted that prior to CCC meetings he asks internal Council Departments whether they have any feedback and whether there has been any community feedback in relation to the KEQ. Mat B didn't have the opportunity to do this prior to today's meeting but he will circulate internally within Council and advise if necessary. Mat B noted that to his knowledge there hasn't been anything raised from any internal Council departments or the general public. - Michael U and John L discussed whether a potential alternate representative from the Port Stephens Shellfish Program could be available. John L noted that it is unlikely that an alternative representative could be nominated at this time. - John L advised that the Port Stephens Shellfish Program have been advised that 17ML of sewage was discharged into the Karuah River as a result of a HWC pump station losing power. Michael U asked what is the impact of this? John L advised that his organisation will know in approximately 6 months if the oysters are impacted. - The earlier site inspection was discussed: <ul style="list-style-type: none"> o Wade C noted that from the site inspection completed prior to the CCC meeting, it is clear that the quarry extraction area is taking shape. This is expected given that the quarry has been operating for a number of years now. Mat R noted that the site inspection is helpful because it puts perspective to the 2D shape the CCC members view on the plans provided at CCC meetings. o Michael U noted that the site looked very tidy during the inspection. o Wade C observed that a water cart appears to be used regularly at the site. Darryn B noted this is correct, three water carts are used regularly between the three sites. - Wade C asked about the <i>Tetratheca juncea</i> translocation area on Lot 14 DP 1024564. Scott E noted that this project had been unsuccessful. Mat R noted that KEQPL has invested significant time and effort into this project (in accordance with the <i>Tetratheca juncea</i> translocation management plan which has now concluded); however the translocation was unsuccessful. Wade C noted that of the literature he has reviewed, he was aware that there was a low success rate with translocation. - Mat B noted that the CCC Guidelines suggest that an agenda item should be community initiatives. Mat R noted that previous agendas / presentations had included this topic and HQPL support a lot community initiatives. Scott E noted that this will be included at the next meeting, however HQPL support a lot of community groups including the RSL Club, Rugby League Club, Netball team and the Bulahdelah Men's Shed. All agreed Scott E will include a slide on community support for future meetings. Scott E reminded CCC members to reach out with any funding or donation requests.
Next CCC meeting and site inspection to be scheduled.	<ul style="list-style-type: none"> - Next meeting to be scheduled for September 2025. Michael to confirm details and issue calendar invites.
Meeting close	<ul style="list-style-type: none"> - The meeting was closed at 4.55pm

**Karuah East Quarry
Community Consultative Committee
March 2025**

Project Overview

- Project Summary
- Environmental Monitoring & Performance
- Project Modifications
- General Business



Project Summary

- Approved by the NSW Independent Planning Commission on 17 June 2014.
 - Operational since 2017.
 - Quarrying operation is permitted on site until 31 December 2034.
 - The extraction, processing and transport of up to 1.5 million tonnes of andesite material per year.
 - Establishment of quarry plant, infrastructure, and roads.
 - Total permitted disturbance area of 40.18 Ha.
 - Establishment of a biodiversity offset area.
 - Conditions apply to manage potential impacts associated with quarry operation including:
 - Air Quality
 - Blasting
 - Noise
 - Soil and Water
 - Transport
 - Biodiversity
 - Heritage
 - Emergency Response
-

Summary of Approvals/Licenses in Place

- Project Approval – MP09_0175 (State Significant Development)
 - Issued by the NSW Minister for Planning and Public Spaces.
- Environmental Protection and Biodiversity Conservation Act (EPBC Approval) 2014/7282
 - Issued by the Federal Government Department of Agriculture, Water and Environment
- Environment Protection Licence 20611
 - Issued by NSW Environment Protection Authority

Summary of Management Plans in Place

- Biodiversity Offset Area
 - Tetratheca Juncea Translocation
 - Noise
 - Blast
 - Air Quality
 - Water
 - Transport
 - Heritage
 - Landscape and Rehabilitation
 - Environmental Management Strategy
 - Pollution and Incident Response
-

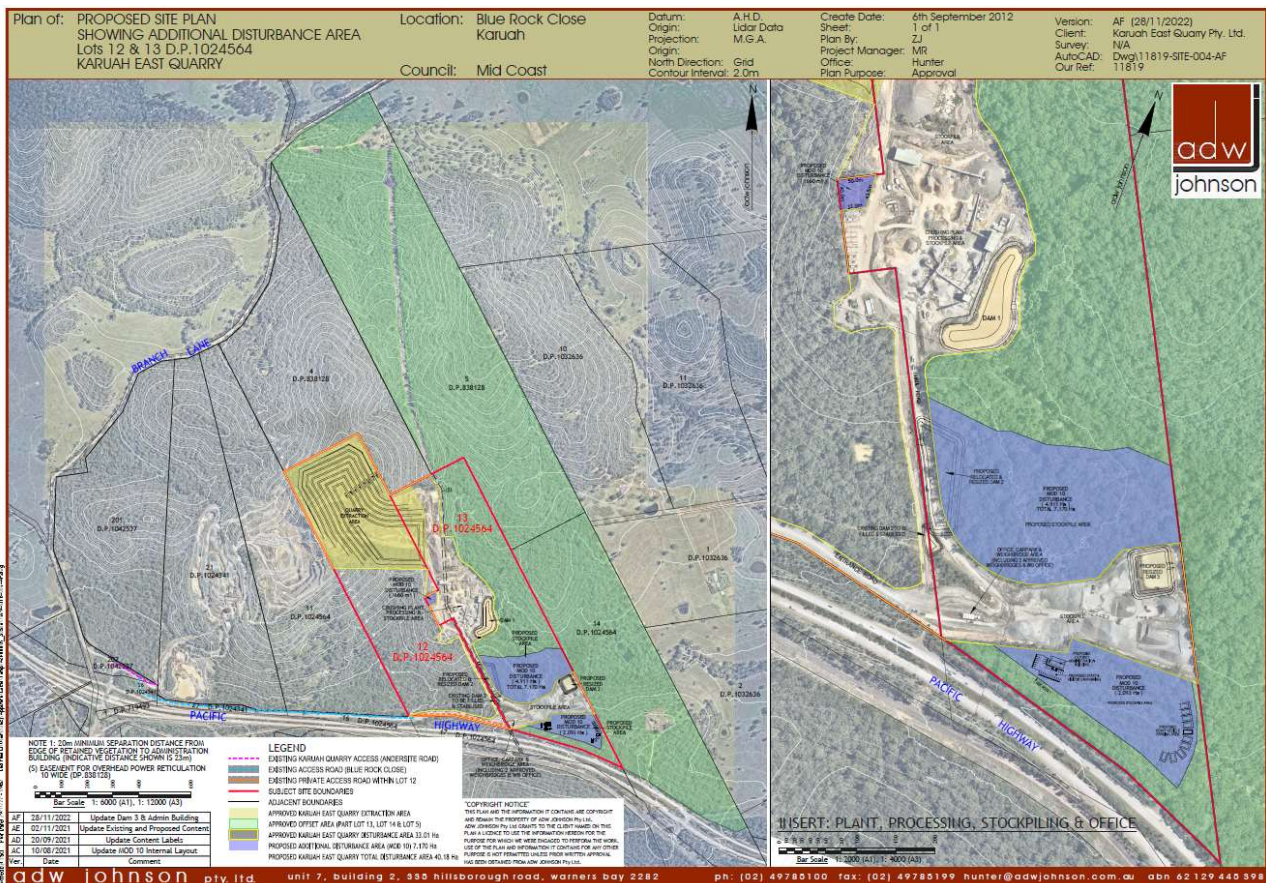


Figure 1: Karuah East Quarry – Approved Site Plan (inc Mod10)

Project Overview

- **MOD 1 (approved 27 April 2018)**

Nominal expansion to the quarry footprint area by 2,500 m² to allow for improved vehicle maneuvering and operational safety in the proximity of the crushing plant and quarry infrastructure (refer pink on below figure).

- **MOD 2 (approved 19 December 2018)**

1.13 Ha increase to the site disturbance area to allow for improved surface water management and improved operational safety (refer orange in below figure).

- **MODs 3-7**

Withdrawn

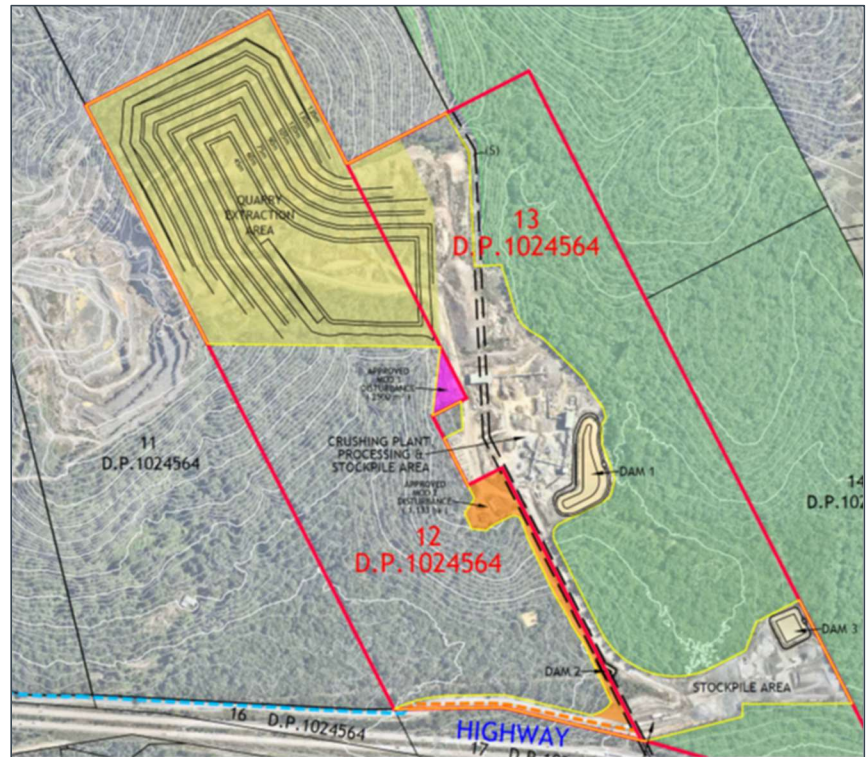


Figure 2: KEQ MOD1 (pink) and MOD2 (orange) areas

Project Overview

- **MOD 8 (Approved 22 December 2020)**

Modified operational noise criteria in line with latest noise policy (*NSW Noise Policy for Industry 2017*) and formalised industry best practice noise mitigation measures installed at the quarry.

- **MOD 9 (Approved 02 December 2021)**

Extended hours of operation for the KEQ. The Modification 9 application was supported by a Noise Impact Assessment (NIA) (EMM Consulting 2021).



Figure 3: KEQ Primary Jaw Crusher Enclosure



Figure 4: KEQ Secondary (Cone) Crusher Enclosure

Project Status

MOD 10 Recap

- Approved by NSW Department of Planning, Housing & Infrastructure (DPHI) (formerly DPE) on 18 May 2023.
- 7.17 Ha increase to the site disturbance area to allow for additional stockpile areas, an administration building and improved surface water management systems.
- No change in annual extraction rates, hours of operation, quarrying/processing methods or vehicle frequency.

Status Update:

- Commonwealth EPBC Approval (DCCEEW) is progressing under the bi-lateral agreement.
 - 25/02/2025 – Received draft variation conditions to 2014 Approval.
 - Once finalised 2022 Approval will be able to be released.
- Continuing to secure secondary approvals:
 - Awaiting NSW Planning approval of Water Management Plan.
 - Biodiversity Offset Strategy to be progressed following Commonwealth EPBC approvals (2014 & 2022 to be finalised).



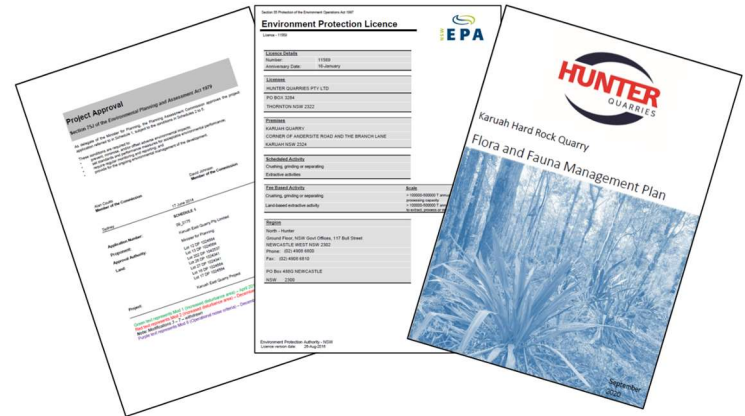
Figure 5: KEQ MOD10 (blue) additional stockpile areas

Compliance Monitoring

In line with the Project Approval and approved management plans, KEQ undertake environmental monitoring for:

- Air quality
- Noise
- Blasting
- Water

Data covers the reporting period of the second half (H2) of 2024.



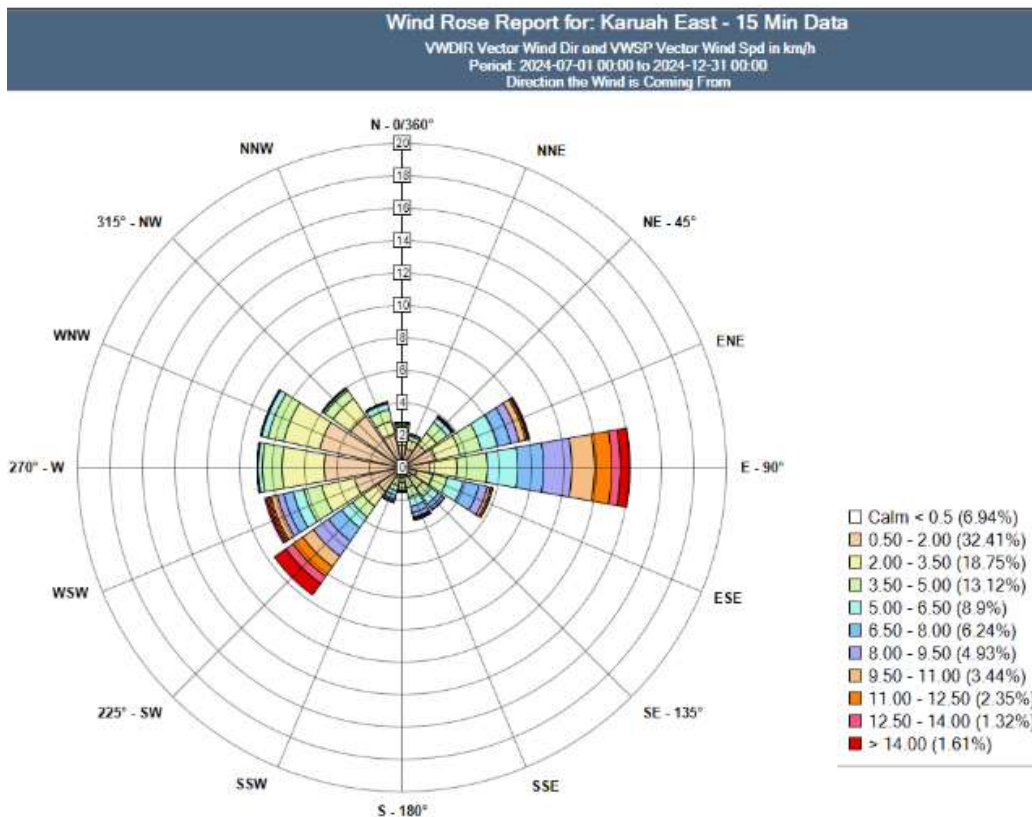


Figure 6: KEQ Meteorological Station – Wind Rose

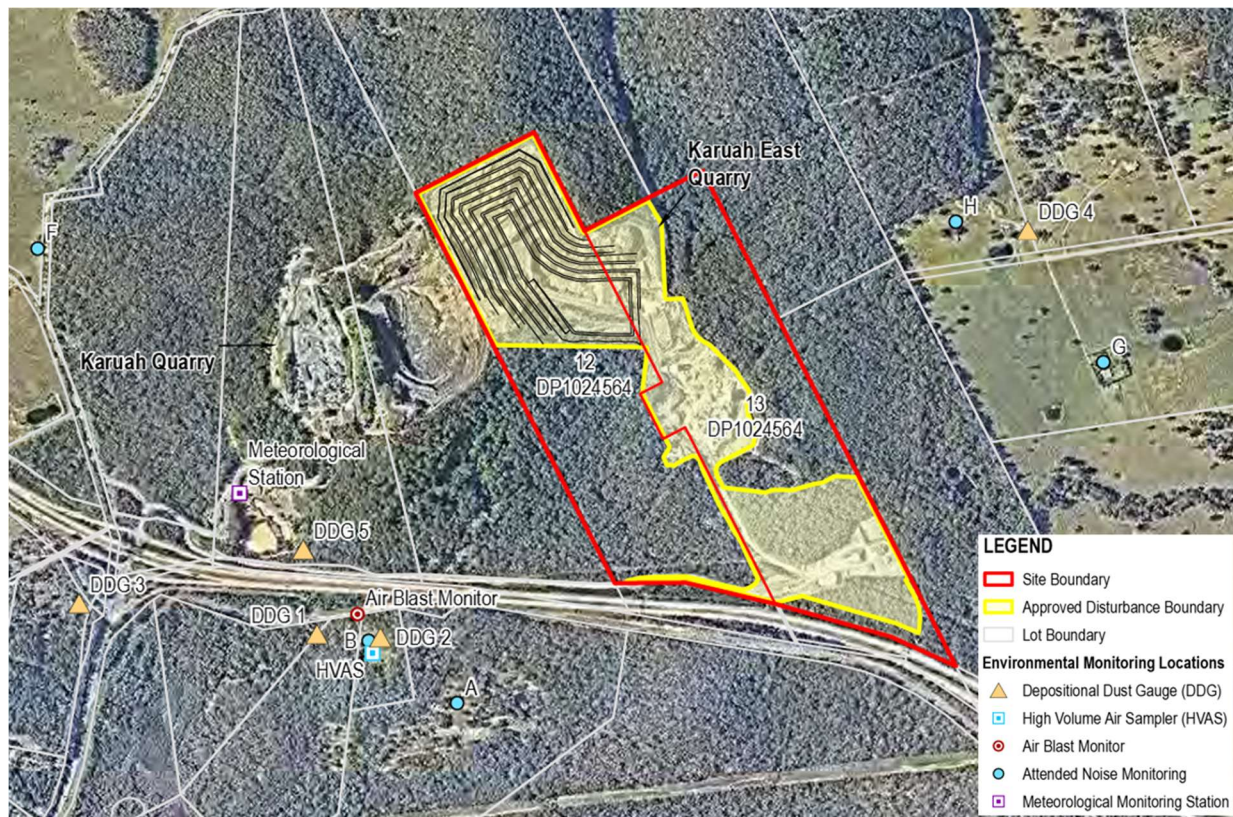


Figure 7: KEQ Environmental Monitoring Locations

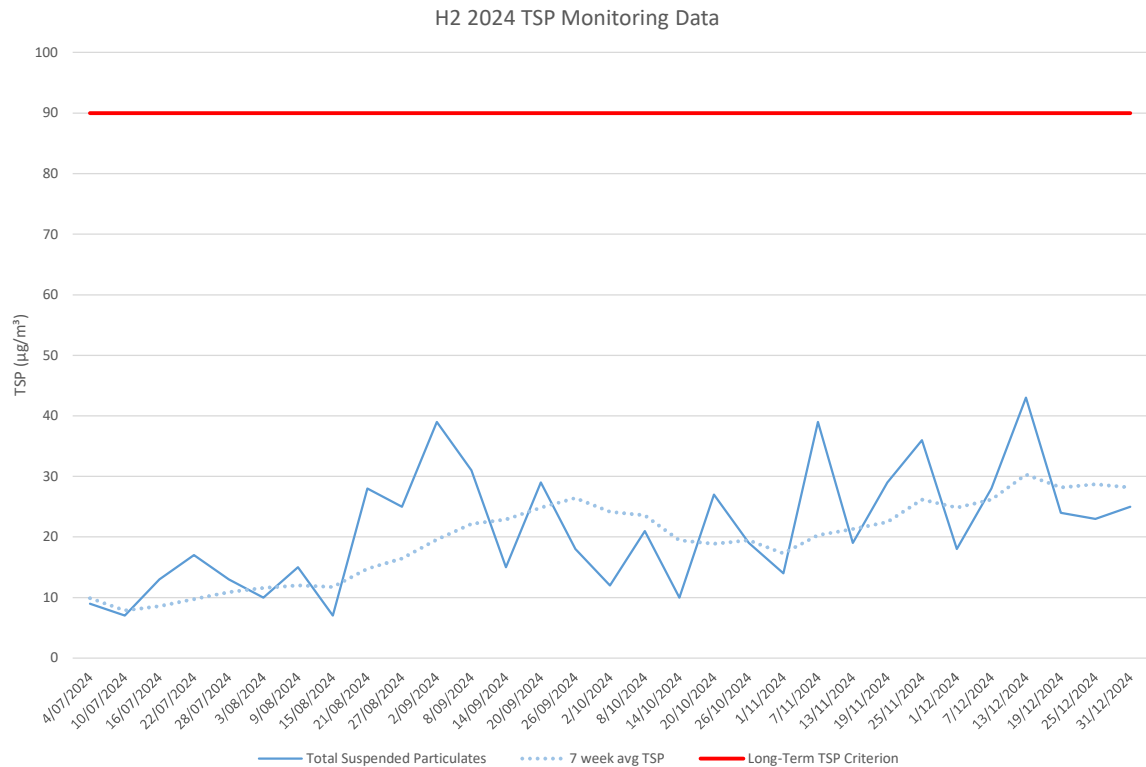


Figure 8: Air quality monitoring – HVAS (TSP)

All TSP results within the compliance limit.

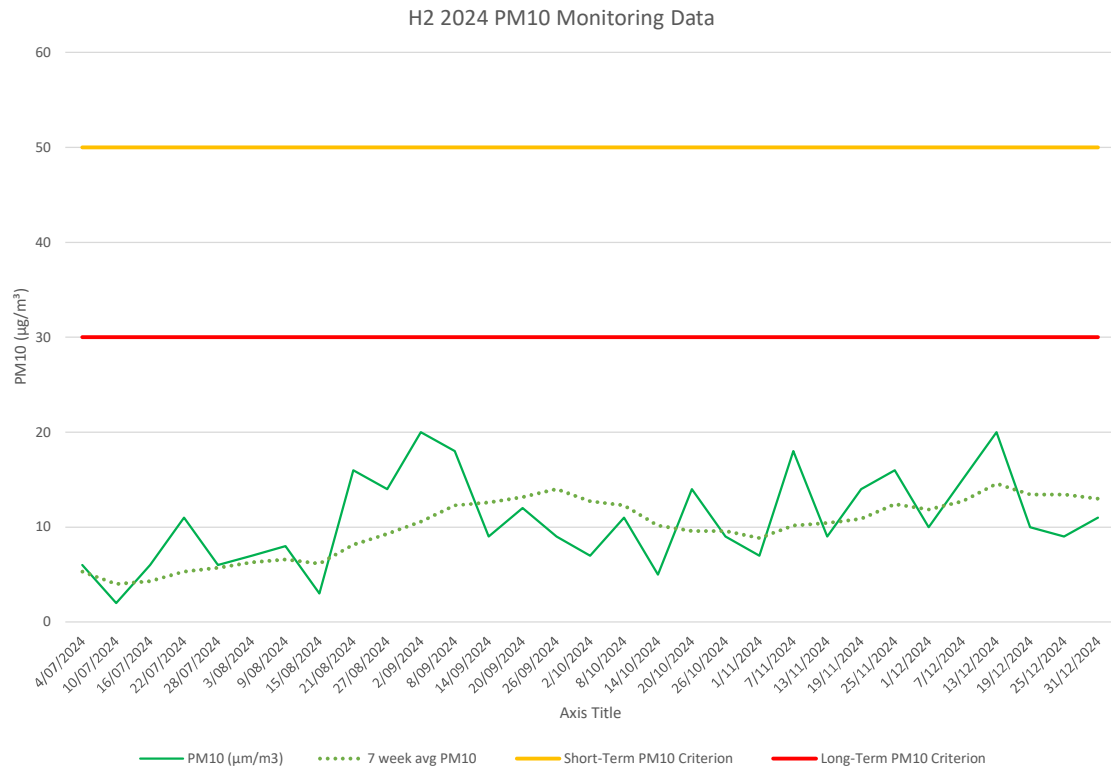


Figure 9: Air quality monitoring – HVAS (PM10)

All PM10 results within the short-term & long-term compliance limits.

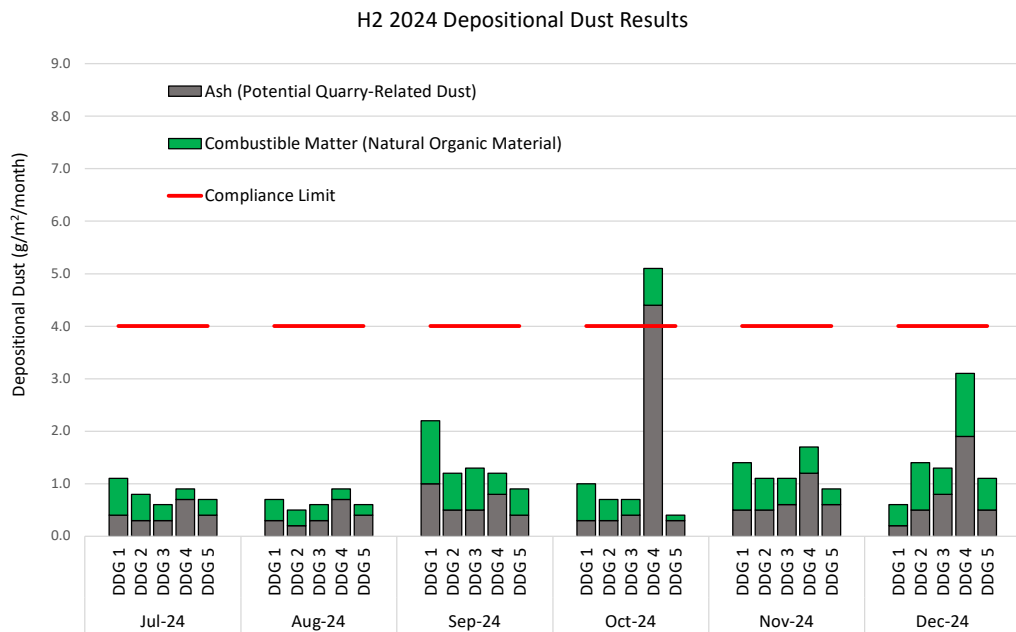


Figure 10: Air quality monitoring - DDG

DDG results generally within compliance limit of $4 \text{ g}/\text{m}^2/\text{month}$.
Anomalous result for October 2024 at DDG4 (Halloran Road).

Jan25 = 410 mm
Feb25 = 47 mm

Monthly Rainfall

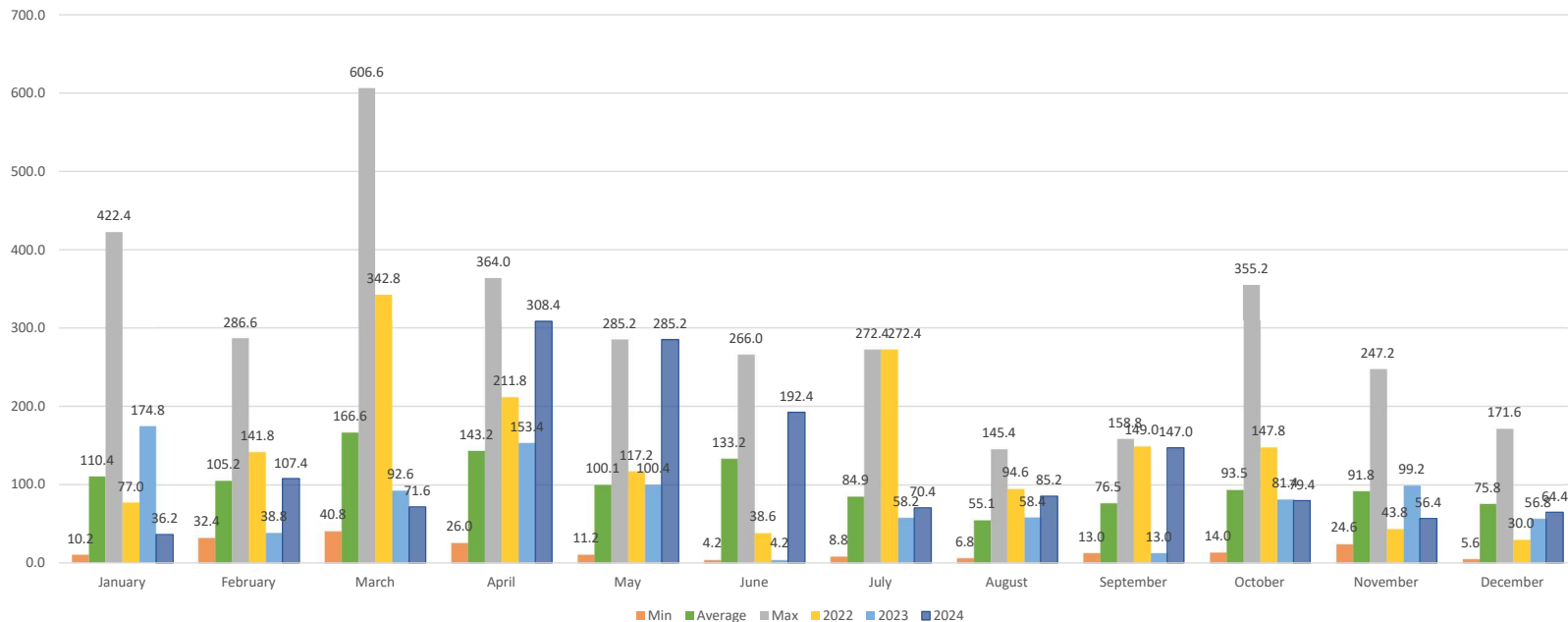


Figure 11: KEQ Meteorological Station – Monthly Rainfall

Near maximum monthly rainfall totals for April, May and June 2024.
Below average rainfall for October, November December 2025.

Dam 1 (Licensed Discharge Point 1)

The capacity of Dam 1 is 12 ML and is designed to manage runoff from operational areas of the quarry. The dam serves as the primary water storage for KEQ and provides water for operational purposes such as dust suppression.

Dam 1 discharges into the Bulga Creek catchment to the east of the site.

During H2 2024, there were no discharges.



Figure 12: Dam 1

	pH	EC (μ S/cm)	Turbidity (NTU)	TSS (mg/L)	Oil and Grease
No. Samples	0	0	0	0	0
Min	–	–	–	–	–
Mean	–	–	–	–	–
Max	–	–	–	–	–

Dam 2 (Licensed Discharge Point 2)

The capacity of Dam 2 is 0.5 ML and is designed to manage runoff from the existing weighbridge area.

Dam 2 discharges into the Yalimbah Creek catchment to the south of the site.

There was a total of **16** days of discharging during H2 2024. Daily water quality monitoring was undertaken, with results summarised below.

All discharges compliant with pH and TSS criteria.



Figure 13: Dam 2

	pH	EC (μ S/cm)	Turbidity (NTU)	TSS (mg/L)	Oil and Grease
No. Samples	16	16	16	16	16
Min	6.6	607	2.9	6	NV
Mean	7.2	1,017	27	19	NV
Max	7.9	1,820	50	36	NV

Dam 3 (Licensed Discharge Point 3)

The capacity of Dam 3 is 2 ML and is designed to manage runoff from the existing stockpile area.

Dam 3 discharges into the Bulga Creek catchment to the east of the site.

There was a total of **27** days of discharging during H2 2024. Daily water quality monitoring was undertaken, with results summarised below.

All discharges compliant with pH and TSS criteria.



Figure 14: Dam 3

	pH	EC (μ S/cm)	Turbidity (NTU)	TSS (mg/L)	Oil and Grease
No. Samples	27	27	27	27	27
Min	7.1	555	2.7	5	NV
Mean	7.4	629	17	12	NV
Max	8.4	747	50	32	NV

Noise Monitoring

KEQ engaged acoustic consultants EMM to conduct quarterly noise monitoring at five locations surrounding the quarry (map on next slide) across the morning shoulder, day and evening.

- Q3 2024 – 09 & 27 August 2024
- Q4 2024 – 19 & 25 November 2024

Both monitoring rounds compliant with noise criteria at all locations during morning shoulder, day and evening monitoring periods.

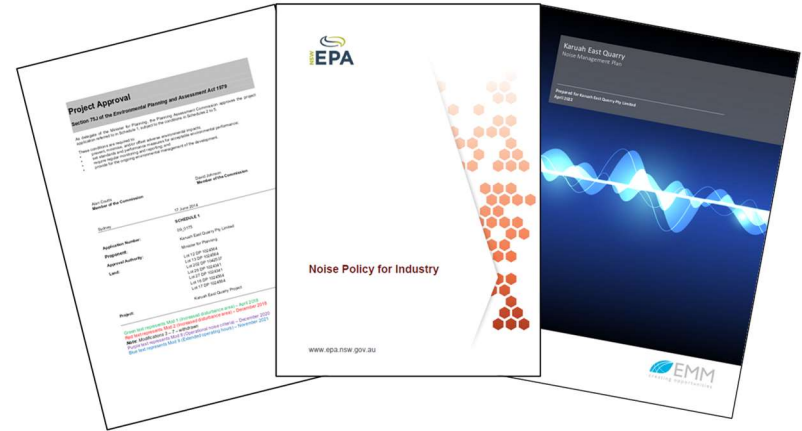
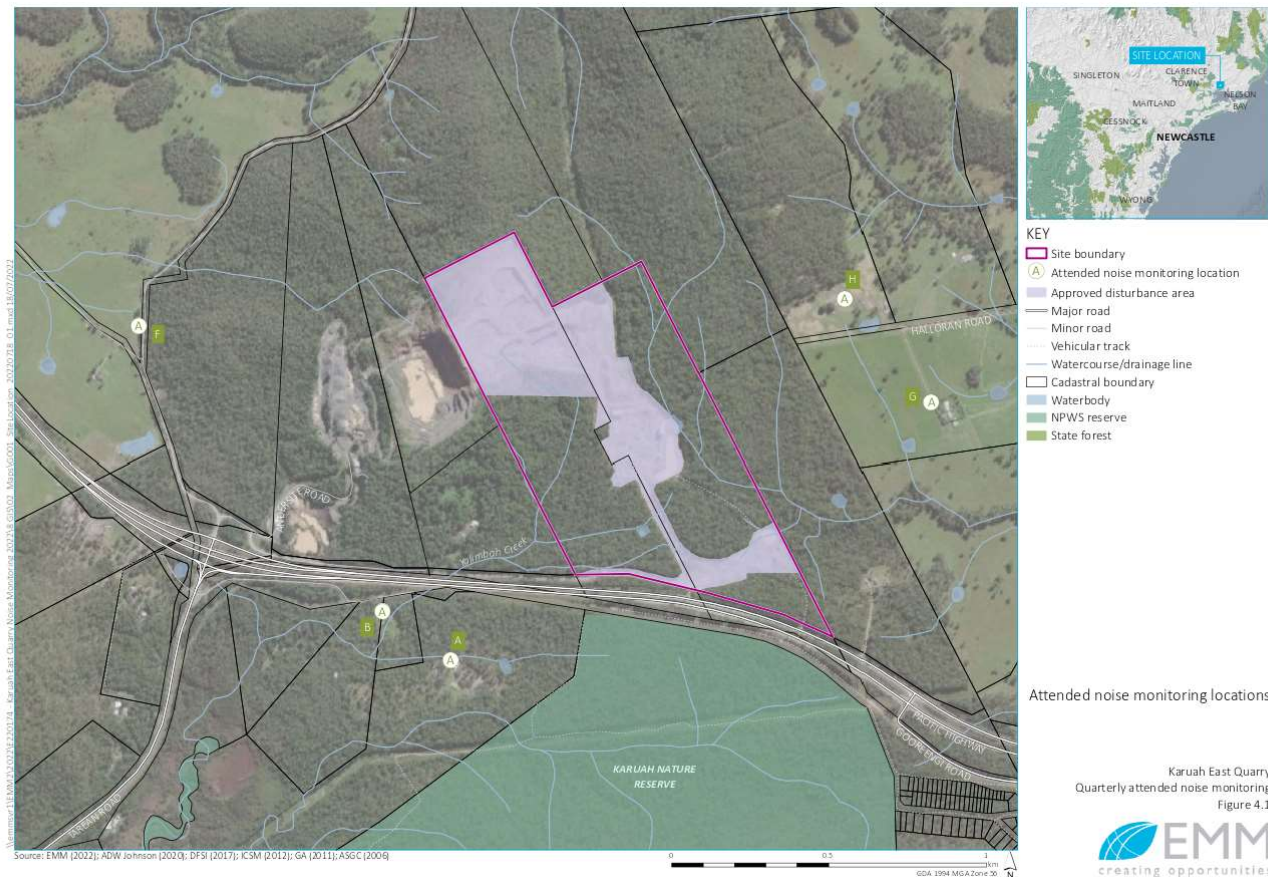


Figure 15: KEQ Project Approval; Noise Policy for Industry (NSW EPA, 2017); KEQ Noise Management Plan.



**Figure 16: KEQ
Attended Noise
Monitoring
Locations (EMM
Consulting, 2021)**

Blast Monitoring

- During H2 2024, 9x blasts have been completed.
- Monitoring is undertaken to measure compliance with the Project Approval limits for airblast overpressure and ground vibration.
- Monitoring is conducted at the closest receptor to the blast.
- All blasts were within compliance limits.

Production and Sales

- Jul24: 93,576 tonnes
 - Aug24: 100,141 tonnes
 - Sep24: 97,268 tonnes
 - Oct24: 93,705 tonnes
 - Nov24: 84,997 tonnes
 - Dec24: 81,260 tonnes
 - **TOTAL: 550,947 tonnes**
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Figure 17: Post blast photo

Complaints Register

Table 1: Complaints Register H2 2024

Month	Environmental Factor	Comments
-	-	-

Exceedances and Non-Compliances

Table 2: Non-compliance register H2 2024:

Date	Condition Summary	Notes
October 2024	Depositional Dust exceedance at DDG 4 Ash (potentially quarry-related) recorded at 4.4 g/m ² /month, compared to the limit 4.0 g/m ² /month. NSW Planning, NSW EPA and local residents notified of result.	Considered to be an anomalous result that was not repeated at the other four sites and is inconsistent with the long-term trends. Easterly winds during the month dominated (i.e. placing the quarry downwind of the gauge).
09 – 12 Jan 2025	Uncontrolled discharges of sediment-laden water 164.2 mm of rainfall over 48 hours. 185.8 mm total five-day rainfall event. Non-compliant discharges from Dams 1 to 3.	5x day 95 th percentile design storm depth of 90.6 mm. PIRMP enacted & resident / agency notified. Dams flocculated and ESC measures deployed.
17 – 20 Jan 2025	Uncontrolled discharges of sediment-laden water 91.8 mm of rainfall over 24 hours. 174.6 mm total four-day rainfall event. Non-compliant discharges from Dams 1 to 3.	5x day 95 th percentile design storm depth of 90.6 mm. PIRMP enacted & resident / agency notified. Dams flocculated and ESC measures deployed.

Proposed MOD 11 – Earthworks & Surface Water Management System Improvement

Recap:

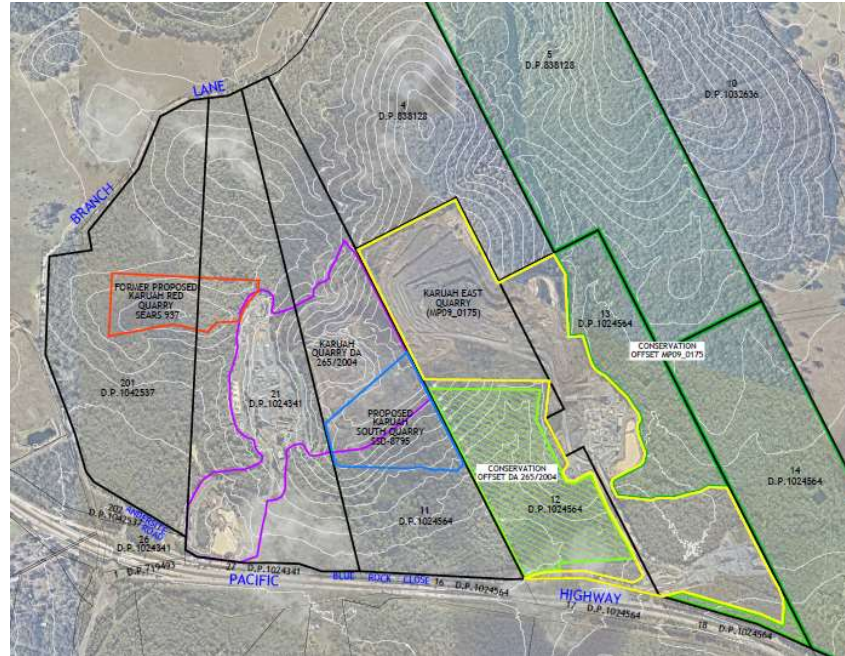
- **No change since previous meeting CCC meeting (September 2024).**
- Detailed design for earthworks and surface water management is progressing for the approved MOD 10 development.
- Preliminary findings suggest that a further MOD application (MOD 11) will likely be required to accommodate the optimised design outcomes, which include:
 - Current approved grades in the MOD 10 area generally range from 4% to 8%. Design optimisation will result in less steep grades at approximately 2% across the MOD 10 area. This will result in a safer and more efficient stockpiling area.
 - Further surface water management systems upgrade including separation of sediment dams and water storage dams (currently ‘mixed use’ dams are implemented). This is consistent with industry best practice management and will result in:
 - A treatment ‘train’ that will allow for better-targeted water quality treatment; and
 - Improved water security for operations and dust suppression.

Next steps:

- **Design refinement to be completed – continuing.**
 - **ON-HOLD – pending finalisation of Commonwealth Approvals for the original KEQ MOD10 Project.**
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RECAP – Preliminary Details: Karuah Resource Operations Project (KROP)

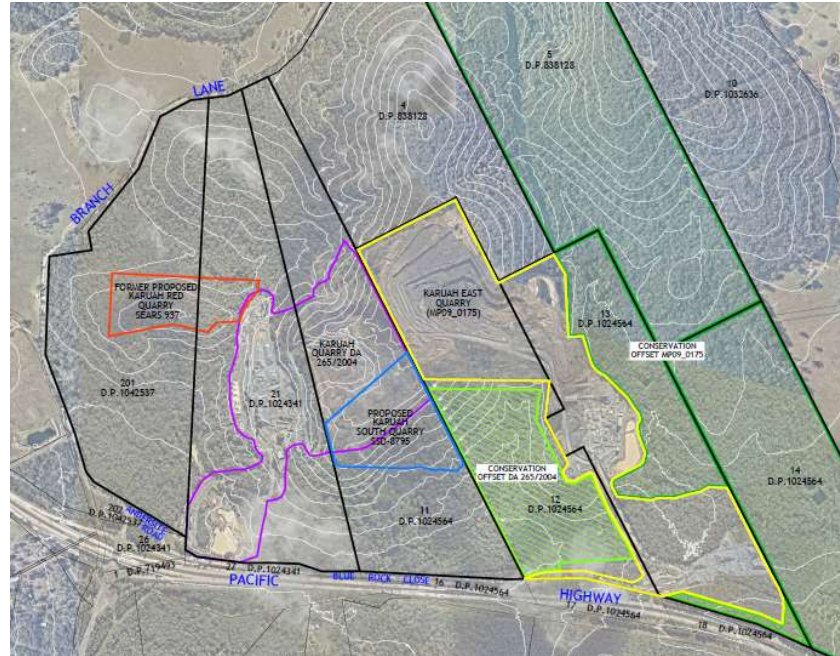
- Introduced at previous CCC meeting (March 2024).
- This project will improve HQPL's ability to contribute to (and meet client specifications) important infrastructure projects such as the Newcastle Inner-City Bypass and the M1 Pacific Motorway extension to Raymond Terrace.
- Maintain and continue the use of existing site infrastructure on Lot 21 DP 1024341, including:
 - Plant and processing equipment;
 - Hardstand, haul roads and stockpile areas;
 - Electrical supply infrastructure;
 - Weighbridge, workshop and offices; and
 - Sediment dam (former red quarry).
- Product import from other HQPL operations including Karuah East Quarry, Tea Gardens Quarry and Gosforth Rhyolite Quarry.
- Resource recovery to meet increasingly mandated sustainability goals from Government agencies (e.g. TfNSW, Hunter Water and Councils).
- Imported material to be blended, processed and stockpiled.
- Tonnages and throughputs to be confirmed, however there will be no increase from currently approved Karuah Quarry operations.
- Nominal material vegetation removal.



UPDATE – Next Steps:

Karuah Resource Operations Project (KROP)

- Project details and design to be refined – continuing.
- Site is relatively “small” at only 6.4 Ha.
- Continuing to review processing layouts within this spatial constraint.



General Business:

- Community Call Line – **1800 329 161**
 - Centralised contact point for the neighbours & local community.
 - For sales, continue to contact 02 4050 0304.

CONTACT

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Blue Rock Close
Karuah NSW 2324**

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OPENING HOURS

Monday – Friday: 7am-4pm
Saturday: 7am-12pm

Community Call Line 1800 329 161

Questions & Discussion
