

Coraki Quarry

Transport Management Plan

Prepared for:

KIS Quarries Pty Ltd

Date:

September 2023

File Ref:

1837.DA1.031 R3

Document Control

Project/ Report Details

<i>Document Title:</i>	Coraki Quarry Transport Management Plan
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<i>Client:</i>	KIS Quarries Pty Ltd
<i>Ref. No.</i>	1837 DA1 031 R3

Document Status

<i>Issue</i>	<i>Description</i>	<i>Date</i>	<i>Author</i>	<i>Reviewer</i>
0	Issue to Department Planning & Environment	16.9.2016	Jim Lawler	Jim Lawler
1	Amended in response to comments from Department Planning & Environment	October 2017	Jim Lawler	Jim Lawler
2	Amended in response to comments from Independent Traffic Audit	June 2021	Sam Lyons	Jim Lawler
3	Revised following June 2023 Modification of Development Consent	September 2023	Jim Lawler	David Doolan

Distribution Record

<i>Recipient</i>	
Department Planning & Environment	1e

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1.0 INTRODUCTION

KIS Quarries Pty Ltd (KIS) recognises the need for safe, responsible and efficient transport of quarry materials in the interest of public benefit and safety. KIS, as holders of Development Consent No. SSD 7036 (the consent) for the Coraki Quarry and the Environment Protection Licence 3397 (EPL) for the Petersons Quarry (which includes the Coraki Quarry), have prepared this Transport Management Plan (TMP) in accordance with Condition 27 of the consent. The TMP applies specifically to all trucks involved in the haulage of material extracted from the Coraki Quarry (Lot 401 DP633427) which is primarily for supply of quarry materials to the Pacific Highway Upgrade Project. The TMP does not apply to haulage of material extracted from the Petersons Quarry which supplies quarry materials to the general market.

Condition 9A was included in the June 2023 Modification of the DC and requires the following:

From 1 July 2023, the Applicant must not undertake road haulage of quarry products until the intersection of Lagoon Road, Casino-Coraki Road, Dawson Street and Queen Elizabeth Drive is upgraded to a CHR and AUL-type intersection to the satisfaction of Council.

On that basis, no transport of quarry products from the Coraki Quarry is to occur until the required road works are completed.

Therefore, the remainder of the TMP below, is only relevant and applicable once the road works are completed and transport of quarry products from the Coraki Quarry recommences.

The objectives of the TMP as per Schedule 3, Condition 27 of the consent are to:

- a) provide a clear description of the transport route;
- b) describe the processes in place for the control of truck movements;
- c) describe the measures to be implemented to minimise noise from transport operations;
- d) detail the procedures for receiving and addressing complaints from the community concerning traffic issues associated with heavy vehicles arriving at or leaving the development;
- e) describe the driver induction and training processes;
- f) include a Drivers' Code of Conduct that details the safe and quiet driving practices that must be used by drivers transporting products to and from the quarry, particular having regard to school bus routes, and the location of residential properties and associated private access roads; and
- g) describe the measures that would be put in place to ensure compliance with the Drivers' Code of Conduct.

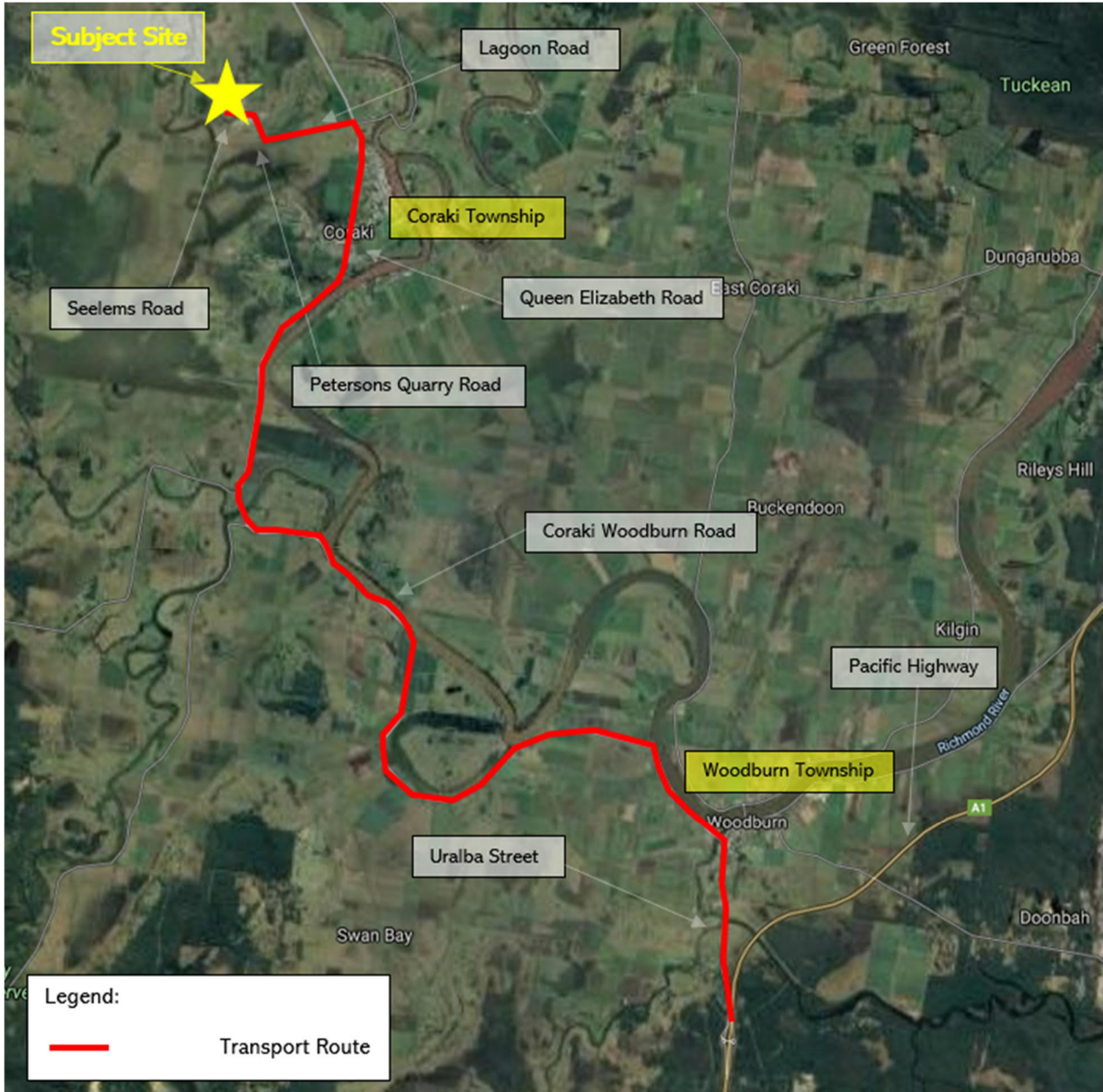
2.0 SITE DETAILS

Access:	Vehicular access is via Petersons Quarry Road.
Site:	Lot 401 DP633427, Lot 402 DP802985, Lot 403 DP802985, Lot 408 DP1166287, Lot A DP397946, Lot A DP389418, Lot 3 DP701197, Lot 2 DP954593, Lot 1 DP954592, Lot 1 DP1165893 and Lot 1 DP310756.
Registered Proprietor:	<ul style="list-style-type: none">• KIS Plant Pty Ltd: Lot 401 DP633427• Richmond Valley Council: Lot 402 DP802985, Lot 403 DP802985, Lot 408 DP1166287, Lot A DP397946, Lot A DP389418, Lot 3 DP701197, Lot 2 DP954593, Lot 1 DP954592, Lot 1 DP1165893 and Lot 1 DP310756.
Current Land Use:	The site is currently used for cattle grazing and the existing Petersons Quarry.
Local Government Area:	Richmond Valley Council.

3.0 APPROVED TRANSPORT ROUTE

The haulage route to the Pacific Highway is via Petersons Quarry Road to Lagoon Road to Queen Elizabeth Drive to Woodburn Coraki Road to the Pacific Highway as shown on Figure 1 – Transport Route below. Richmond Valley Council is the relevant authority for all roads within the haulage route except for the Pacific Highway. Petersons Quarry Road is a sealed one-lane road and is also without a speed limit sign. Lagoon Road is a sealed (undivided) two-lane road with a posted speed limit of 100km/h. Queen Elizabeth Drive is a sealed (undivided) two-lane road with a speed limit of 80km except for the posted school zone. The Woodburn Coraki Road is a sealed (undivided) two-lane road with a posted speed limit of 100km/h.

FIGURE 1 – TRANSPORT ROUTE



Note: the Pacific Highway now bypasses Woodburn and the most direct route to and from the quarry to the Pacific Highway is via Uralba Street.

4.0 TRUCK MANAGEMENT MEASURES

The following truck management measures will be implemented by KIS:

1. An incident/complaints register will be maintained by the Quarry Manager.
2. All drivers will be required to comply with the legislated road rules, including driver fatigue requirements and separation distances to other vehicles.
3. All drivers will be required to sign on to the Electronic Daily Prestart Management System at the weighbridge each morning or on first entry into the site.
4. In accordance with condition 22 of Schedule 3 of the development consent,

All laden trucks travelling from the development to the Pacific Highway must travel via Petersons Quarry Road, Lagoon Road, Casino – Coraki Road, Queen Elizabeth Drive and Coraki - Woodburn Road. Trucks returning to the site from the Pacific Highway must return via the same route and enter the development via Seelems Road or Petersons Quarry Road. This condition does not apply:

- a) *when road closures on the above route are in place;*
 - b) *when delivering to sites not involving travel on the Pacific Highway, such as within the local area or sites to the northwest or north of the quarry (eg Casino or Lismore); and*
 - c) *in an emergency to avoid the loss of lives, property and/or to prevent environmental harm.*
5. In accordance with condition 26 of Schedule 3 of the development consent, before leaving the quarry, all laden trucks exiting the site are to have their loads covered and be cleaned of materials that may fall on the road and have appropriate signage displayed so that they can be identified by road users.
 6. Haulage of quarry materials from the site will be limited to the approved hours of operation under the consent and the EPL. The weighbridge management software will be configured in a manner which will not issue a 'docket' to a driver outside of the approved hours of operation.
 7. Weighbridge records will keep accurate records of the amount of quarry materials transported by each vehicle.
 8. The weighbridge management software will be configured in a manner which will not issue a 'docket' to a driver if the vehicle weight exceeds the limits prescribed by the Heavy Vehicle (Mass, Dimension and Loading) National Regulation 2013.
 9. Implement a Driver Induction Procedure (refer Attachment 1 – Driver Induction Procedure).
 10. Implement and enforce compliance with a Driver's Code of Conduct (Attachment 2 – Driver's Code of Conduct). Compliance with the Driver's Code of Conduct will be enforced by a '*Two strikes and your out*' policy administered by the Quarry Manager and reviewed by the General Manager in accordance with the Community Engagement and Complaints Procedure outlined in the Coraki Quarry Environmental Management System.
 11. Installation of forward and driver facing cameras on haulage trucks managed by KIS.
 12. Installation of GPS monitoring devices on haulage trucks managed by KIS. Each GPS monitoring unit is installed on the truck. A GPS 'fob' or 'key' is assigned to an individual driver as per the Driver Induction Procedure. The driver logs on to the GPS monitoring unit on the truck prior to commencing each shift. The GPS monitoring unit tracks the vehicle location, speed, exceedance of speed limits and harsh vehicle movement and braking as well as mapping the location of any potential incident or infringement to assist in future investigations. In the event of an incident or infringement (e.g. exceedance of speed limit) alerts are sent immediately by email and 'phone app' to the Quarry Manager, Operations Manager, Transport Manager and General Manager. All alerts provide detailed information including, date, time, nature of the infringement, driver name, truck registration and type and the location of the event.
 13. Paying for the installation of GPS monitoring unit on all local school buses using the haulage route where permission is provided. Each GPS monitoring unit fitted to a school bus enables tracking and interaction with the GPS monitoring unit in each truck. The GPS monitoring system is configured to send an alert to a truck driver traveling in the same direction as a school bus when the truck comes within 500m of the school bus. The alert is in the form of a beep audible only to the truck driver and not the school bus driver. Being alerted of the nearby school bus the truck driver is to reduce speed and be alert and maintain a minimum 50m separation distance to the school bus. If the 50m separation distance is encroached an alert is generated and the infringement will be investigated. In the event that the school bus stops the truck is also to stop and not pass the school bus. If the truck does pass the school bus an alert is generated and the infringement will be investigated. The GPS tracking system is intelligent and also alerts a truck traveling in the opposite direction of a school bus when it is approaching the school bus, but the alert will not be triggered when the truck passes the school bus in the opposite direction.

5.0 TRUCK NOISE MANAGEMENT MEASURES

The following truck noise management measures will be implemented by KIS:

1. Require drivers to appropriately cover/secure loads.
2. Require drivers to comply with posted speed limits on all roads.
3. Require drivers to only use horn when appropriate do to so.
4. Require drivers to limit engine brake noise in residential areas.
5. Require drivers to reduce truck speed in residential areas, at road works and when passing stationary vehicles.
6. Preference to rely upon modern trucks with Euro 5 and Euro 6 compliant engines
7. Preference to rely upon modern trucks with airbag suspension

These management measures will be implemented and enforced through the Driver's Code of Conduct.

6.0 COMMUNITY ENGAGEMENT AND COMPLIANTS PROCEDURE

Refer to the Coraki Quarry Environmental Management Strategy for the community engagement, complaints and incident procedure which applies to all aspects of the quarry.

7.0 CORRECTIVE ACTION

The Quarry Manager shall take appropriate action to rectify problems or any identified deficiencies in accordance with the requirements of the Community Engagement, Complaints and Incidents Procedure in the Coraki Quarry Environmental Management Strategy.

8.0 CONTINGENCY PLAN

In the event of unpredicted impacts, the Quarry Manager shall investigate the potential cause in accordance with the Community Engagement, Complaints and Incidents Procedure. The Quarry Manager shall undertake appropriate action to rectify any identified deficiencies in the management measures immediately. The Quarry Manager may request the services of a specialist consultant to investigate and to give advice to assist in resolving the unpredicted impacts.

9.0 DRIVER INDUCTION PROCEDURE

Prior to commencing work a Driver will be subject to the Driver Induction through the 'Checklist of Cartage Subcontractor Documentation' Form. Item D3 of the Checklist requires the site induction to occur. The Quarry Manager will be responsible for the site induction and will inform the Driver of the following details:

- The approved transport route for the Coraki Quarry
- The approved hours of operation of the Coraki Quarry
- The Community Engagement, Complaints and Incidents Procedure contained in the Coraki Quarry Environmental Management System
- The procedures for interaction with school buses and the GPS monitoring system
- The terms of the Drivers Code of Conduct
- The 'two strikes and your out' policy regarding the Drivers Code of Conduct
- The Drivers Code of Conduct will be enforced through random inspections prior to issuing a 'docket' from the weighbridge or through review in response to a complaint; and
- Occupational, Health and Safety briefing information for the site

10.0 AUDITING AND REVIEW

The Quarry Manager shall review this management plan and its management measures to confirm their effectiveness and investigate ways to improve environment performance over time plan at least once every year at the time of completing the Annual Review as required by Schedule 5, Condition 9 of the development consent.

11.0 SUMMARY

KIS recognises the need for safe, responsible and efficient transport of quarry materials in the interest of public benefit and safety. KIS, through the Driver Induction Procedure will ensure that all truck drivers commit to the Driver's Code of Conduct which will be strictly administered by the Quarry Manager and General Manager. The implementation of the measures outlined in this TMP will minimise impacts to the community from haulage of quarry materials from the Coraki Quarry.

Importantly, KIS recognises and confirms that Condition 9A of the Development Consent requires that no transport of quarry products occurs from the Coraki Quarry until the identified road works are completed.

attachments

Attachment 1

Driver Induction Procedure

Attachment 2

Driver's Code of Conduct

Driver Code of Conduct

*Petersons and Coraki Quarry
Petersons Quarry Road, Coraki, NSW 2471*

KIS recognises the need for safe, responsible and efficient transport of quarry materials in the interest of public benefit and safety. Any truck driver who enters or leaves the Petersons Quarry and the Coraki Quarry is expected to respect the community in which they drive, and adopt the following code of conduct.

Objective

Work together to maximise safety in road haulage and minimise the impact of trucks on other road users and the surrounding communities

Drivers Code of Conduct

1. Acknowledge this Driver Code of Conduct is enforced as a 'Two Strikes and you are out' policy
2. Report any complaints, incidents or reports to the Quarry Manager as per the Coraki Quarry Community Engagement, Complaints and Incidents Procedure
3. When transporting material from Coraki Quarry to the Pacific Highway Upgrade Project use only the approved Transport Route of Petersons Quarry Road to Lagoon Road to Queen Elizabeth Drive to Woodburn Coraki Road to the Pacific Highway at Woodburn
4. Present to the Quarry Site Office to sign on to the Daily Toolbox on first entry into the quarry
5. Abide by the Drug & Alcohol Policy by presenting to work with 0.00 BAC
6. Adhere to Site Operating Conditions for Traffic Management and Noise Restrictions and Operating Hours (arriving at or leaving the quarry as directed by QS Management i:e 31 trucks per hour for Coraki)
7. Strictly comply with all traffic rules and regulations
8. Report all incidents and accidents no matter how minor
9. Ensure there is no loading over registered gross mass
10. Appropriately cover and secure loads before leaving the quarry site
11. Ensure drawbars, tailgates, rails and duals are clear of rocks before leaving the quarry site
12. Maintain appropriate signage to enable identification by road users in the event of a complaint
13. Comply with all posted speed limits on all roads
14. Comply with the School Zones and follow the bus interaction guidelines
15. Always drive in a manner that is in accordance with road conditions
16. Only use horn only when appropriate to do so
17. Be aware that we start early and not all the community start as early as we do
18. Decrease truck speeds to minimise dust and noise around private dwellings, road works, men on the ground and stationery vehicles
19. Reduce engine brake noise to respect the community through which they are driving
20. In the event of an environmental incident, make sure every endeavour is taken to contain and minimise environmental harm
21. Respect the environment by not littering
22. Encourage professional and appropriate use of two-way radios
23. Remain calm and courteous when in contact with other road users and members of the public
24. Acknowledge courteous acts by others

Non-compliance with this code of conduct under the 'Two strikes and you are out policy' will result in a review by Management and may result in a refusal to load out from the site in future. Compliance will be assessed in the event of a complaint, incident or emergency and may also be subject to random inspection prior to issue of a 'docket' from the weighbridge.