



# Cabbage Tree Road Sand Quarry Cabbage Tree Road, Williamtown

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### Prepared for:

### WILLIAMTOWN SAND SYNDICATE PTY LTD

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# Glossary

Abbreviation	Definition or Meaning
AEMR	Annual Environmental Management Report / Annual Review under Schedule 5, Condition 11
AS	Australian Standard
DPIE	Department of Planning Industry and Environment
EPA	Environmental Protection Authority
EPL	Environmental Protection Authority
km/h	Measure of speed in kilometres per hour
m	metre
Mt	Million tonne
NSW	New South Wales
PSC	Port Stephens Council
RMS	Roads and Maritime Authority (superceded by TfNSW)
SSD-6125	Development Consent for the Cabbage Tree Road Sand Quarry
TfNSW	Transport for NSW
tpa	tonnes per annum
WSS	Williamtown Sand Syndicate (the owner of Newcastle Sand)



### 1. INTRODUCTION

### 1.1 BACKGROUND

Newcastle Sand is proposing to construct and operate a sand quarry on four lots of land located at 398 Cabbage Tree Road, Williamtown, approximately 30 km from the Newcastle central business district. Newcastle Sand is a wholly owned subsidiary of Williamtown Sand Syndicate Pty Ltd (WSS), the entity associated with seeking the Project Approval. The Project will extract up to 530,000 tonnes per annum of sand products over a period of up to 15 years.

Development Consent (SSD-6125) was granted by the NSW Independent Planning Commission on 9 May 2018 for construction and operation of the quarry, subject to a series of conditions. Condition 24 of Schedule 3 of the Development Consent requires the preparation and implementation of a Traffic Management Plan while Condition 25 outlines requirements for preparation and enforcement of a Driver Code of Conduct.

Potential traffic impacts associated with quarry operations may include the following:

- Noise disturbance from arriving and departing trucks.
- Traffic congestion at the quarry intersection and along Cabbage Tree Road.
- Public safety issues from trucks entering and exiting the quarry.

This plan has been prepared to satisfy the aforementioned Transport Conditions of the Development Consent.

Construction of the quarry commenced in August 2019, the Cabbage Tree Road intersection was completed in May 2020 and the quarry became operational on 18 May 2020.

### 1.2 PROJECT OVERVIEW

The key details of the Project are shown within **Table 1** below. An overview of the project area is shown in **Figure 1**.

Table 1: Key Aspects of the Cabbage Tree Road Sand Project.

Aspect	Key Aspects of the Project
Key elements	Sand quarry extracting up to 530,000 tonnes per annum over a period of 6 to 15 years including the construction of an intersection with Cabbage Tree Road, sealed and gravel access roads, site office, workshop and weighbridges. Progressive rehabilitation of quarried land returning to native vegetation communities with potential future use of the facilities area.
Location	398 Cabbage Tree Road, Williamtown, within the Port Stephens local government area.



Aspect	Key Aspects of the Project
Property Titles	Four titles within the Parish of Stockton, County of Gloucester including:  Lot 1 DP 224587 at 398 Cabbage Tree Road, Williamtown  Lot 121 DP 556403 at 282B Cabbage Tree Road, Williamtown.  Lot 11 DP 629503 at 282A Cabbage Tree Road, Williamtown.  Lot 1012 DP 814078 at 282 Cabbage Tree Road Williamtown.
Land Owner	Port Stephens Shire Council under lease to Williamtown Sand Syndicate Pty Ltd.
Proponent	Williamtown Sand Syndicate Pty Ltd, the owner of the quarry operator Newcastle Sand.
Area	Total Project Area of approximately 42.3 hectares from a Subject Land Area of approximately 176.2 hectares.
Project Life	Up to 15 years. At expected demand the quarry will have an eight (8) year life, or six (6) years at maximum extraction rates.
Extraction Rate	Maximum of 530,000 tonnes per annum, and maximum daily rate of 3,000 tonnes.
Operating Hours	Construction of intersection, access and workshop and office:  7:00am to 5:00pm Monday to Friday.  8:00am to 1:00pm Saturday.  No works on Sunday or public holidays.  Quarrying Operations:  7:00am to 5:00pm Monday to Friday.  7:00am to 4:00pm on Saturday.  No quarrying on Sunday or a Public Holiday.  Loading and dispatch of trucks:  6:00am to 6:00pm Monday to Friday.  7:00am to 4:00pm Saturday.  No works on Sunday or public holidays.
Transport Rate	<ul> <li>Up to 6 laden trucks per hour (12 trips per hour) during the hours of 6 am to 7 am Monday to Friday.</li> <li>Up to 10 laden trucks per hour (20 trips per hour) during hours of 7 am to 6 pm Monday to Friday (i.e. all haulage hours excluding the morning peak).</li> <li>Up to 10 laden trucks per hour (20 trips per hour) during hours of 7 am to 4 pm Saturdays.</li> <li>Haulage between 5 am and 6 am is subject to agreement from adjacent landowners as per Schedule 3, Condition 1.</li> <li>Up to 6 vehicles of employees would be expected to arrive from approximately 5:30 am to 7 am and leave between 5 pm and 7 pm.</li> </ul>
Resource and products	Approximately 3.25 Mt of sand, comprising the following products to be extracted from site by truck onto Cabbage Tree Road for transport to markets:  Raw fill sand. Screened sand. Sandy loam. Concrete sand. Glass sand (estimated at about 16% of total resource). The Project covers approximately 42.3 hectares (including access roads) with extraction to a depth of not more than 1m above the highest predicted groundwater level.



Aspect	Key Aspects of the Project
Extraction	<ul> <li>Maximum extraction rate of 530,000 tonnes per annum.</li> <li>Excavator and/or bulldozer to clear vegetation and strip topsoil.</li> <li>Bulldozer or grader to windrow sand.</li> <li>Front-end loader to feed conveyors to convey sand to the processing plant.</li> <li>Front-end loader and haul truck to convey sand when conveyor unsuitable.</li> </ul>
Processing Methods	<ul> <li>Raw sand product extracted directly from face with no processing.</li> <li>Sand fed into electrically powered screen.</li> <li>Screened sand sold as product or fed to electrically powered air separator.</li> <li>Products stockpiled for loading directly into truck or fill bulk bags for removal from the site by truck.</li> </ul>
Support facilities and utilities	<ul> <li>Site office, workshop, stores, car parking.</li> <li>Power supply from local network</li> <li>Water supply from local network.</li> </ul>

### 1.3 PURPOSE AND SCOPE

This Management Plan outlines the key management controls to be implemented during quarry construction and operations to minimise traffic impacts to local road users. It also details the Drivers Code of Conduct that is applicable to all trucks entering and exiting the quarry.

This document satisfies Development Consent Conditions 22 to 28 of Schedule 3 and the Statement of Commitments. A checklist of where each condition has been addressed in this document is provided in **Table 2**.

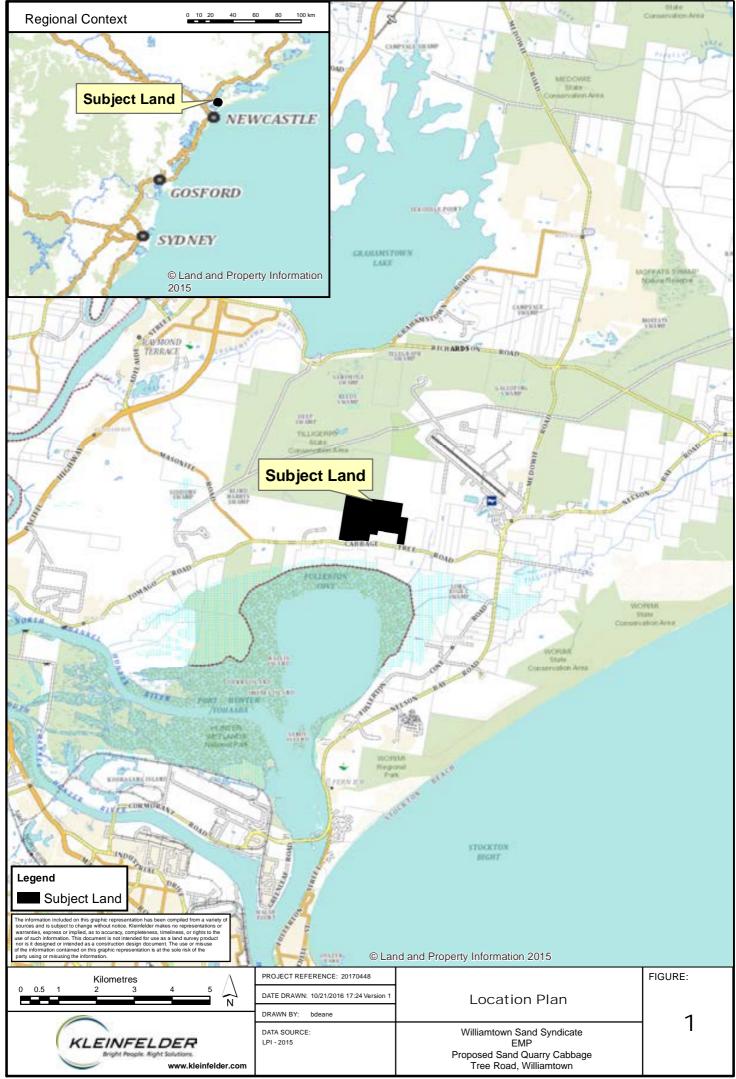
This TMP will be implemented in conjunction with the other management plans required under the Development Consent for the duration of quarry construction and operations.

### 1.4 CONSULTATION AND PLAN DEVELOPMENT

This plan was provided to Port Stephens Council and the TfNSW consistent with the Development Consent on Thursday 20 December 2018 for comment.

See **Appendix 3** for a summary of consultation undertaken to date. Copies of the correspondence received are also included in **Appendix 3**.

This plan then requires approval of the Secretary prior to commencement of operations, approval was granted on 18<sup>th</sup> May 2020.





# 2. STATUTORY REQUIREMENTS

### 2.1 DEVELOPMENT CONSENT

Development Consent was granted for the Project under the *Environmental Planning and Assessment Act 1979* by the NSW Independent Planning Commission. The requirement for a Transport Management Plan arises from Condition 24 within Schedule 3 of the Development Consent. Other management requirements include Conditions 22 to 28 of Schedule 3 and Appendix 2 – Statement of Commitments.

**Table 2** provides a summary of where each requirement of the consent relating to traffic are addressed in this document.

Table 2: Development Consent Conditions

Condition	Description	Addressed in Section
Schedule 3	- Specific Environmental Conditions	
22	TRANSPORT Operating Conditions The Applicant must: (a) ensure that all laden trucks entering or exiting the site have their loads covered; (b) ensure that all laden trucks exiting the site are cleaned before leaving the site of material that may fall from vehicles; and (c) use its best endeavours to ensure that appropriate signage is displayed on all trucks used to transport product from the development so they can be easily identified by road users.	Section 5 and 6
23	The Applicant must ensure that:  (a) speed limits of 40 km/hour for vehicles entering the site on sealed roads; 60 km/hr for vehicles exiting the site; and 20 km/hour for vehicles using all other roads and areas on site are applied and enforced;  (b) trucks slowing to use the intersection of the quarry access road and Cabbage Tree Road do not use engine or compression braking systems;  (c) laden truck movements exiting the site do not exceed 6 per hour during the period from 6 am to 7 am, Monday to Friday;  (d) laden truck movements exiting the site do not exceed 10 per hour during the period from 7 am to 5 pm, Monday to Friday; and  (e) laden truck movements exiting the site do not exceed 10 per hour during the period from 7 am to 4 pm, Saturdays.  If agreement is reached with adjoining residents under Condition 1 of this Schedule for dispatch of laden vehicles between 5 am and 6 am, Monday to Friday, then laden truck movements exiting the site during that hour are also subject to paragraph (c) of this condition.  Note: In this condition, "per hour" means within any period of 60 minutes following the change of hour.	Section 5
24	Traffic Management Plan The Applicant must prepare a Traffic Management Plan for the development to the satisfaction of the Secretary. This plan must:  (a) be prepared in consultation with the TfNSW and Council;  (b) be submitted to the Secretary for approval prior to commencing quarrying operations, unless otherwise agreed by the Secretary;	This document



Condition	Description	Addressed in Section
	<ul> <li>(c) describe the processes in place for the control of truck movements entering and exiting the site;</li> <li>(d) describe measures to ensure that trucks do not park on the verge of Cabbage Tree Road prior to the opening time of the quarry, including the use of security guards at least twice per week for at least six months from the commencement of trucking operations;</li> <li>(e) include a Drivers' Code of Conduct that details the safe and quiet driving practices that must be used by drivers travelling to and from the quarry;</li> <li>(f) include a compliance monitoring program for the requirements of the Drivers' Code of Conduct of condition 25 of this Schedule; and</li> <li>(g) propose measures to minimise the transmission of dust and tracking of material onto the surface of public roads from vehicles leaving the quarry.</li> <li>The Applicant must not commence quarrying operations until the Traffic Management Plan is approved by the Secretary.</li> <li>The Applicant must implement the Traffic Management Plan as approved from</li> </ul>	
25	Drivers' Code of Conduct The Applicant must prepare a Drivers' Code of Conduct applicable to drivers of all development-related vehicles, including all trucks that haul sand from the site. This Code of Conduct must:  (a) be prepared in consultation with Council and TfNSW and be submitted to the Secretary for approval;  (b) address the requirements of conditions 22 and 23 of this schedule; describe the measures that would be implemented to ensure that drivers of all development-related vehicles, including sand haulage trucks:  • comply with this Drivers' Code of Conduct;  • are made aware of potential safety issues both on site and on the public road haulage routes;  • are made aware of the requirement to pre-book loading slots for trucks arriving prior to 7am;  • are informed of when heavy traffic volumes are likely to be encountered on Cabbage Tree Road, including the AM and PM peaks;  • are informed of usual school bus travel times on Tomago Road and Cabbage Tree Road as well as the location of all bus stops on these roads;  • are made aware of potential interactions with general traffic on Cabbage Tree Road whilst merging from the acceleration lane of the quarry access intersection;  • are informed that Masonite and Old Punt Roads are not to be used for the haulage of sand, except for deliveries to properties in the immediate vicinity of those roads;  • are provided with contact details in case of emergencies or accidents;  • are provided with details of potential environmental hazards, such as potential for fauna (e.g. Koalas) to cross the quarry access road, particularly at dawn and dusk;  • are provided with a detailed protocol that sets out what drivers are required to do to arrange for the care of injured fauna and that they must immediately report all fauna strikes on the site to the Applicant;  • provided with updates on local road conditions;  • minimise truck noise impacts at residences on Cabbage Tree Road;  • minimise travel to the site prior to commencing product loading	Section 5 and Appendix 1



Condition	Description	Addressed in Section
	The Applicant must implement the Drivers' Code of Conduct as approved from time to time by the Secretary.	
26	Vehicle Monitoring The Applicant must, by the use of its weighbridge, make, and retain for 12 months, records of the time of arrival, time of dispatch, weight of load and vehicle identification for each laden truck dispatched from the site. The Applicant must publish a summary of these records on its website each month.	Section 6
27	These records must be made available to the Department on request.  The Applicant must install and operate video cameras adjacent to the weighbridge to monitor the time and direction of travel of vehicles as they enter and leave the quarry, to the satisfaction of the Secretary. These cameras must be located in fixed positions with a field of view that excludes land not owned by the Applicant. Recordings from these cameras must be securely stored for at least 30 days and made available to the Department on request.	Section 6
28	The Applicant must provide a report in each Annual Review which includes details of all fauna injured or killed by development-related vehicles, time and date of any such fauna strike, species involved, action taken following the strike and any consequent measures put in place to prevent or minimise a recurrence.	Section 6
Schedule 5	- Environmental Management, Reporting and Auditing	
3	Management Plan Requirements  The Applicant must ensure that the management plans required under this consent are prepared in accordance with any relevant guidelines, and include:  (a) detailed baseline data; (b) a description of:  • the relevant statutory requirements (including any relevant approval, licence or lease conditions);  • any relevant limits or performance measures/criteria; and  • the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the development or any management measures;  (c) a description of the measures that are to be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria; a program to monitor and report on the:  • impacts and environmental performance of the development; and  • effectiveness of any management measures (see (c) above);  (e) a contingency plan to manage any unpredicted impacts and their consequences and to ensure that ongoing impacts reduce to levels below relevant impact assessment criteria as quickly as possible;  (f) a program to investigate and implement ways to improve the environmental performance of the development over time;  (g) a protocol for managing and reporting any:  • incidents;  • complaints;  • non-compliances with statutory requirements; and  • exceedances of the impact assessment criteria and/or performance criteria; and  (h) a protocol for periodic review of the plan	Section 1-7
Appendix 2	Traffic control plans prepared by an accredited person are to be approved by the TfNSW prior to implementation by an accredited person for the construction of the quarry intersection.	Traffic Control Plans developed and implemented by



Condition	Description	Addressed in Section
		accredited persons at time of construction
b)	<ul> <li>The quarry intersection and associated acceleration and deceleration lanes will have the following signage installed (subject to approval by TfNSW).</li> <li>"No Stopping zones".</li> <li>Digital signage stating if quarry is opened or closed to avoid truck entry and idling at entry if gate is closed.</li> <li>Quarry approach and need to limit air breaking.</li> <li>Speed limit signage for 40 km/h entering site before intersection.</li> <li>Sign on gate: No truck parking permitted at gate. In the event of arriving prior to gate being open turn off vehicle immediately. Do not reverse with beepers onto Cabbage Tree Road and do not park on Cabbage Tree Road.</li> </ul>	As per Works Authorisation Deed with TfNSW.
с)	<ul> <li>Speed limit signage within the site as follows:</li> <li>Internal signage for outgoing traffic advising 60 km/h speed limit between outgoing weighbridge and Cabbage Tree Road.</li> <li>Internal signage for incoming traffic advising 40 km/h speed limit between Cabbage Tree Road and the incoming weighbridge.</li> <li>20km/h from the weighbridge to the processing plant / stockpiles.</li> </ul>	Section 5
d)	<ul> <li>WSS will implement a Driver Code of Conduct signed by all drivers during their site induction and will allow WSS to strictly enforce the access requirements and penalise non complying drivers, the Driver Code of Conduct will include but is no limited to the following: <ul> <li>Quarry operating times.</li> <li>Proposed digital signs prior to deceleration lane stating status of quarry being open or close subject to TfNSW approval. This will mitigate early arrivals to the quarry.</li> <li>No stopping signage for extent of site for deceleration lane to deter early arrivals.</li> <li>Pre booking of high demand slots between 0500 and 0700 which are anticipated to be limited, these slots are likely to be pre-booked. Any unexpected truck turning up on site will have to wait on-site prior to exiting the site in the allocated slots.</li> <li>Quarry approach and need to limit air breaking.</li> <li>Respect our neighbours internal signage on exit of quarry.</li> <li>UHF radio contact to quarry manager for enquiries prior approach to the quarry.</li> <li>Sign on gate: No truck parking permitted at gate. In the event of arriving prior to gate being open turn off vehicle immediately. Do not reverse with beepers onto Cabbage Tree Road and do not park on Cabbage Tree Road.</li> </ul> </li></ul>	Section 5 / Appendix 1
e)	Peak traffic generation limits from the site are as follows:  6 laden trucks per hour (12 trips per hour) during the hours of 5 am to 7 am.  10 laden trucks per hour (20 trips per hour) during hours of 7 am to 6 pm.  No haulage on Sundays or Public Holidays.	Section 5 – modified by Conditions
f)	Incoming trucks will be weighed on entry to the site via a weighbridge at the site office complex and again on leaving the site where product weight and tickets will be generated and recorded for each load.	Section 5 – modified by Conditions



Condition	Description	Addressed in Section
g)	Boom gate on outgoing weighbridge linked to peak haulage rates.  CCTV system to be installed on outgoing weighbridge to provide compliance assessment of haulage numbers.	Section 5 – as modified by Conditions. Boom gates unreliable, will be replaced by traffic light system and CCTV system that will render the weighbridge inoperable once the hourly truck limit is reached.



### 3. EXISTING ENVIRONMENT

### 3.1 EXISTING CONDITIONS

The following description is taken from the traffic impact assessment for the development prepared by Intersect Traffic, as an appendix to the Environmental Impact Statement by Umwelt.

Cabbage Tree Road connects Nelson Bay Road to the east and merges with Tomago Road before meeting the Pacific Highway at Hexham. Cabbage Tree Road and Tomago Road are part of the classified main road network (MR 302) and are under the care and control of Transport for NSW (TfNSW). Under a functional road hierarchy these roads would be classified as sub-arterial roads with their main function to connect the local sub regions of Hexham and Williamtown. IThese roads are primarily two lane two way sealed roads, with centreline marked having a 3.5 metre travel lanes and sealed shoulders varying from 1 metre to 2 metres wide. The speed limit for Cabbage Tree Road fronting the site was 90 km/h at the time of the intersection design and construction and was later reduced to an 80 km/h speed zone in late 2020.

Traffic progressively increase and taper from the peak hour periods that occur between 7am and 8am in the morning and 3pm to 4pm in the afternoon. During 2015 traffic counts for those peak periods on Cabbage Tree Road were 627 in the morning and 1006 in the afternoon.

Sidra modelling of the Cabbage Tree Road I Nelson Bay Road roundabout has shown the intersection operates with excellent levels of service and would continue to do so through to at least 2030 with normal background traffic growth.

The site is accessed from the northern side of Cabbage Tree Road, Williamtown, via a left in, and left out upgraded intersection inclusive of deceleration and acceleration lanes. Vehicles travelling west from the quarry are required to travel on Cabbage Tree Road to the Nelson Bay | Cabbage Tree Road roundabout and return on Cabbage Tree Road.

Site entry is limited to 40 km/h, with site exit at 60 km/h to ensure vehicles adequately merge with traffic.

Access to private dwellings occurs directly off Cabbage Tree Road, land owners are typically aware of good practice in accessing properties safely, while some vehicles have been known to stop and wait to turn in resulting in near miss traffic incidents.

### 3.2 PREDICTED IMPACTS

The impact of the additional traffic from the development was assessed as part of the EIS and reviewed by the NSW Roads and Maritime Services (now Transport for NSW - TfNSW). The assessment determined the proposed traffic from the development combined with the existing traffic levels will not result in unacceptable levels of service on the road. In addition, a road safety audit was conducted on the road to determine the existing road condition and provide measures to improve safety with the introduction of vehicles from the Project.



Product transport from the site is expected to be primarily by 32 tonne truck and dog, road registered trucks. The one tonne bulk bags will also be available for transport from the site. Estimates of traffic generation from the site are as follows:

- Annual average daily truck movement of 63 laden trucks per day (126 movements), equating to average hourly truck movements of 5 laden trucks per hour (10 trips per hour).
- Peak rate of 6 laden trucks per hour (12 trips per hour) during the hours of 6 am to 7 am. If residents agree, a further 6 laden trucks per hour between 5 am and 6 am.
- Peak rate of 10 laden trucks per hour (20 trips per hour) during hours of 7 am to 6 pm.
- Up to a maximum of 10 laden trucks per hour (20 trips per hour) during hours of 7 am to 4 pm Saturdays.
- Six vehicles of employees would be expected to arrive from 4:45 am to 7 am and leave between 5 pm and 7:15 pm.

TfNSW have determined that Cabbage Tree Road has a maximum capacity of 1,480 vehicles per hour to maintain a Level of Service of C. Under current conditions, traffic levels can reach 627 vehicles during morning peak hour and 1,006 vehicles during afternoon peak hour. The development will result in a maximum of 10 additional trucks per hour. If accounting for return trips along Cabbage Tree Road, the development will result in an increase of 20 vehicles per hour. This calculates to 1.4% of total road capacity, equating to a potential increase of 3.2% for peak morning traffic or an increase of 2% for afternoon peak traffic. As these figures account for peak haulage rates, operational traffic is likely to be substantially less. These increases also assume that a new consumer, not currently seeking sand from the area, purchases sand from the proposed quarry. In practice this is unlikely, as with any market there is likely to be competition with consumers changing suppliers accordingly.



### 4. ROLES AND RESPONSIBILITIES

Roles used within this plan are defined below, responsibilities are shown in **Section 5** or otherwise defined below.

### 4.1 KEY CONTACTS

The following contacts are available in the event of a compliant, enquiry or emergency.

Table 3: Key contacts

Contact		Name	Phone	Email	
Quarry Manager		Shane Burton	0402 648 079	shane@newcastlesand.com.au	
Quarry website			www.newcastlesand.	com.au	
	EPA – Incider	nts Line		131 555	
E	PA - Newcast	ile Office	C	2 4908 6800	
OEH – Regional Operations - Newcastle		tions - Newcastle	02 4927 3119		
Orphaned or sick native wildlife	WIRE	S Wildlife Rescue	1300 094 737		
Injured animal	Shop 1, Me	rk Veterinary Service dowie Shopping Village, odale Rd, Medowie	e, 02 4982 9899		
		m Veterinary Hospital Lane Heatherbrae	C	2 4987 5087	
Lost / captured domestic animal without contact details	Port Step	estic animals only ohens Animal Refuge e Tree Road Williamtown	02 4965 0100		

### 4.2 QUARRY OWNER

The Quarry Owner is WSS who operate the quarry under the wholly owned subsidiary of Newcastle Sand. The Quarry Owner is responsible for the development and assignment of a suitably qualified Quarry Manager and to provide sufficient support to the Quarry Manager to undertake the required actions defined in this plan.



### 4.3 QUARRY MANAGER

The Quarry Manager is the person who manages the Quarry and is responsible for the day to day activities on the site. The Quarry Manager reports to the Quarry Owner.

The Quarry Manager must read, understand and implement the practical application of this plan. All activities being undertaken on the quarry site are the responsibility of the Quarry Manager.

The responsibilities of the Quarry Manager are defined by **Section 5**.

### 4.4 HAULAGE TRUCK DRIVER

Haulage truck drivers are not employed by Newcastle Sand. Newcastle Sand expect the Haulage Truck Driver to adhere to the Driver Code of Conduct and any other reasonable instruction while within the quarry.



### 5. MANAGEMENT CONTROLS & COMPLIANCE MONITORING

**Table 4 and Table 5** describes the relevant traffic management actions and controls to be implemented for the Project. These controls are based on achieving the Development Consent Management Conditions in **Table 2**.

Table 4: Transport Management Metrics

Aspects	<ul> <li>Vehicle and truck travel to and from site.</li> <li>Trucks entering and exiting the quarry</li> </ul>	Impacts	Noise and traffic disturbance to adjacent residents Increased traffic congestion on Cabbage Tree and Tomago Road Public safety hazards from trucks entering and exiting the quarry Periodic death or injury of native animals crossing the transport route
Objectives	<ul> <li>Minimise disturbance to surrounding residents and local road users</li> <li>Comply with Development Consent conditions</li> <li>Comply with Driver Code of Conduct</li> </ul>	Targets	<ul><li> Zero fines or notices</li><li> Zero complaints</li><li> Zero HSE incidents</li></ul>



Table 5: Transport Management Measures

Item	Action	Trigger/Timing	Responsibility	Reporting	
5.1	GENERAL				
А	Quarry construction will not commence until this Transport Management Plan and Driver Code of Conduct are approved by DPIE and TfNSW.	Prior to construction	Quarry Manager	Approval of this Plan by DPIE / TfNSW	
В	The Driver Code of Conduct will be supplied to prospective customers and haulage operators at the time of booking and will be required to undertake a driver focused induction on the first visit to the site (refer to <b>Appendix 1</b> for the Code of Conduct).	At time of booking During Driver Induction	Quarry Manager	Induction records	
5.2	5.2 OPERATIONS				
Α	All access to the quarry will be via the new intersection with Cabbage Tree Road.	Ongoing	Quarry Manager	Nil	
В	Masonite Road and Old Punt Roads are not to be used for the haulage of sand, except for deliveries to properties in the immediate vicinity of those roads.  Adherence to approved haulage route is to be verified by the Quarry Manager or other designated personnel via random observations.	Ongoing	Quarry Manager	Nil	
С	<ul> <li>Signage will be erected within the site at regular intervals of the following speed limits:</li> <li>Outgoing traffic at 60 km/h between outgoing weighbridge and Cabbage Tree Road;</li> <li>Incoming traffic at 40 km/h between Cabbage Tree Road and the incoming weighbridge;</li> <li>Incoming traffic at 20km/h from the weighbridge to the processing plant / stockpiles.</li> </ul>	Prior to operations	Quarry Manager	Nil	
D	The proposed quarry intersection and associated acceleration and deceleration lanes will be sign posted as "No Stopping" zones to prohibit buses from pulling up in this zone.	Installed on completion of construction	Quarry Manager	Nil	



Item	Action	Trigger/Timing	Responsibility	Reporting
E	Advise bus operators of the proposed quarry intersection and associated acceleration sign posted "No Stopping" zones and provide with copy of this plan.	Installed on completion of construction	Quarry Manager	Nil
F	<ul> <li>The quarry intersection and associated acceleration and deceleration lanes will have the following signage installed:</li> <li>"No Stopping Zones";</li> <li>Digital signage stating whether quarry is opened or closed to avoid truck entry and idling at entry if gate is closed;</li> <li>Quarry approach and need to limit air breaking;</li> <li>Speed limit signage for 40 km/h entering site before intersection;</li> <li>Sign on gate: No truck parking permitted at gate. In the event of arriving prior to gate being open turn off vehicle immediately. Do not reverse with beepers onto Cabbage Tree Road and do not park on Cabbage Tree Road.</li> </ul>	Installed on completion of construction	Quarry Manager	Nil
G	A fauna crossing sign will be installed adjacent to the access road prior to the weighbridge and within the quarry.	Installed on completion of construction	Quarry Manager	Nil
Н	Quarry personnel and Drivers are to announce koala sightings on UHF and stop vehicle until it moves off the road. Any injured animals are to be reported to the Quarry Manager and transported to the nearest veterinarian and details recorded as part of Incident Reporting procedure (See <b>Section 5.4</b> ).	Fauna injury	Quarry Manager	Incident Notification
ı	<ul> <li>Loading and dispatch of trucks:</li> <li>6:00am to 6:00pm Monday to Friday, 7:00am to 4:00pm Saturday.</li> <li>No loading or haulage on Sunday or public holidays.</li> <li>The following activities are permitted outside these hours:</li> <li>Delivery or dispatch of materials as requested by the Police or other authorities;</li> <li>Emergency work to avoid loss of lives or prevent environmental harm.</li> </ul>	Ongoing	Quarry Manager	Nil



Item	Action	Trigger/Timing	Responsibility	Reporting
J	<ul> <li>The following hourly truck movement limits apply:</li> <li>Laden truck movements exiting the site do not exceed 6 per hour during the period from 6 am to 7 am, Monday to Friday;</li> <li>Laden truck movements exiting the site do not exceed 10 per hour during the period from 7 am to 5 pm, Monday to Friday;</li> <li>Laden truck movements exiting the site do not exceed 10 per hour during the period from 7 am to 4 pm, Saturdays;</li> <li>No haulage on Sundays or Public Holidays.</li> </ul>	Ongoing	Quarry Manager	Summary of results in AEMR
К	All trucks arriving prior to quarry opening hours (prior to 7:00am) are required to pre-book loading slots.	Ongoing	Quarry Manager	Nil
L	Trucks will not park on the verge of Cabbage Tree Road at any time prior to or during quarry opening hours.	Ongoing	Quarry Manager	Nil
М	Trucks departing the Quarry will where feasible be separated by a minimum of 5-minute intervals to avoid convoys.	Ongoing	Quarry Manager	Nil
N	Where feasible appropriate signage will be displayed on all trucks used to transport product from the quarry, so they can be easily identified by road users.	Ongoing	Quarry Manager	Nil
0	All trucks will be cleaned prior to leaving the site to ensure loose sand or dirt is removed from the vehicle body and wheels to reduce spillage onto internal and external roads.	Ongoing	Quarry Manager	Nil
Р	Roadways will be monitored regularly for dust, sand and dirt/mud build-up from loose loads and dirty vehicles and if required, a water truck will be employed.	Ongoing	Quarry Manager	Summary of results in AEMR
Q	Signage will be installed on Cabbage Tree Road, consistent with TfNSW requirements to advise of traffic entering the road from the quarry.	Installed on completion of construction	Quarry Manager	Signoff from TfNSW on road installation.
R	Using the Drivers Code of Conduct with Appendix 1, truck drivers will be instructed to not use engine or compression braking systems in slowing to use the intersection of the quarry access road and Cabbage Tree Road.	Driver Induction	Quarry Manager	Driver Induction



Item	Action	Trigger/Timing	Responsibility	Reporting
5.3	MONITORING			
A	Newcastle Sand will engage a security guard to patrol the entrance area and verge between Masonite Road and Nelson Bay Road during the one hour period prior to quarry opening, two times per week for a minimum of 6 months from commencement of operations.	Twice weekly for first 6 months of operations AND following complaint regarding site access issues.	Quarry Manager	Security Guard Inspection Log
В	The Quarry Manager or delegate will undertake random driver checks to check:      Driver's knowledge of the Code of Conduct.     Completion of one-off driver induction.      Induction records record acknowledgement of the Code of Conduct.	Monthly	Quarry Manager	Summary of results in AEMR
С	Incoming trucks will be weighed on entry to the site via a weighbridge at the site office complex and again on leaving the site where product weight and tickets will be generated and recorded for each load. Records will be kept for 12 months and include records of arrival time, dispatch time, weight of load and vehicle identification for each laden truck dispatched from site	Ongoing	Quarry Manager	Incoming and outgoing truck movements recorded.
D	Daily movements of trucks exiting the site will be reviewed by the Quarry Manager for compliance and records uploaded to the website monthly.	Monthly	Quarry Manager	Uploaded to the Project Website
E	CCTV system to be installed on outgoing weighbridge to provide compliance assessment of haulage numbers. The CCTV system will record both haulage number and direction of travel, with the CCTV system's field of view restricted to subject land.  CCTV cameras will securely store recordings for a minimum of 30 days and made available to DPIE upon request.	Ongoing	Quarry Manager	Haulage numbers and tonnage transported published within AEMR
F	Review CCTV footage to ensure operability of CCTV and adequacy of cleaning practices to reduce loose sand entering Cabbage Tree Road. Review and improve practices as required.	Monthly	Quarry Manager	Summary in AEMR.
G	The Annual Review is to include a report on project related vehicle incidents, including details of all fauna injured or killed by project vehicles, time and date of any such fauna incident, action taken and consequent measures put in place to prevent or minimise recurrence.	Ongoing	Quarry Manager	Summary in AEMR.



Item	Action	Trigger/Timing	Responsibility	Reporting		
5.4	5.4 PROJECT NON-COMPLIANCE					
А	Traffic monitoring results will be assessed for compliance against the Drivers Code of Conduct. Failure to comply with any part of the Driver Code of Conduct is considered a project non-compliance. DPIE will be notified within 24 hours of an exceedance and be sent a report within 7 days outlining non-compliances and corrective actions undertaken.	Following non- compliance with Drivers Code of Conduct	Quarry Manager	Notification to DPIE.		
В	Any fauna injuries or incidents as a result of vehicle strikes will be reported to DPIE within 24 hours of an exceedance with a report to DPIE within 7 days outlining incident and corrective actions undertaken.	Following non- compliance / fauna injury / vehicle incident	Quarry Manager	Notification to DPIE.		
С	A summary of any non-compliances or incidents and their associated corrective actions will be provided in the Annual Environmental Monitoring Report (AEMR)	Ongoing	Quarry Manager	Summary in AEMR.		
5.5	COMPLIANCE EVALUATION					
А	Monthly internal inspections (dust, signage, truck numbers, security patrol outcomes, complaints)	Monthly	Quarry Manager	Nil		
В	Three-yearly Independent Environmental Audits as per Section 6.3 of the project EMP.	Three-yearly	Quarry Manager	Audit Report		
5.6	COMPLAINTS					
А	The Quarry Manager mobile (0402 648 079) is the dedicated contact phone number established for the life of the Project.	Ongoing	Quarry Manager	Available on website		
В	Feedback, enquiries and complaints received will be recorded in a consultation register maintained throughout the life of the Project.	Ongoing	Quarry Manager	Available on website		



Item	Action	Trigger/Timing	Responsibility	Reporting
С	Complaints recorded in the consultation register will include date and time complaint was made, name and contact details of complainant, nature of complaint, WSS response and commitments to follow-up by whom and when will be detailed.	Ongoing	Quarry Manager	Available on website. Summary included in AEMR Consultation Register
D	<ol> <li>The following procedure will be followed whenever a complaint is received:</li> <li>Liaison with the complainant to ascertain all details and to identify the nature and source of the complaint. Details recorded in the consultation register as per Item C above.</li> <li>If applicable, undertake monitoring or other investigations to verify or otherwise the exceedance or non-compliance with approval or consent condition(s).</li> <li>If applicable, initiate changes in operating practices or procedures.</li> <li>Provide complainant with details of investigations and/or actions taken in response to complaint.</li> <li>Conduct a follow-up interview with complainant to determine their level of satisfaction with the response and the resultant outcome.</li> <li>All investigations and communications recorded in consultation register.</li> </ol>	Ongoing	Quarry Manager	Summary included in AEMR Consultation Register
E	<ul> <li>In the event a landowner does not consider their complaint has been resolved, the following dispute resolution process will be adopted:</li> <li>Meeting with landowner and Quarry Manager to determine agreed outcome.</li> <li>If dispute not resolved, landowner may initiate an Independent Review process through DPE to reach an agreed outcome.</li> <li>If dispute not resolved, DPE will consult independent facilitator to make final decision.</li> </ul>	Ongoing	Quarry Manager	Summary included in AEMR Consultation Register



Item	Action	Trigger/Timing	Responsibility	Reporting
5.7	CORRECTIVE ACTIONS			
A	<ul> <li>Corrective Actions</li> <li>Where monitoring or landowner complaints suggest the project is non-compliant, Newcastle Sand will undertake the following sequence of investigations and controls: <ul> <li>Review the details of the non-compliance including operational activities at the time and the nature of the reported damage.</li> <li>If due to equipment failure or failure to follow operational procedures, undertake corrective actions to prevent recurrence.</li> <li>If incident is not as a result of failure, review and refine procedures.</li> <li>If operational practices cannot be improved, consult with relevant stakeholders to discuss potential mitigation measures, this may include: <ul> <li>Increased signage on public roads</li> <li>Increased monitoring of driver behaviour</li> <li>Amendment to the code of conduct</li> </ul> </li> <li>If a non-compliance has occurred, additional monitoring will be undertaken within one week following implementation of relevant additional management controls listed above.</li> </ul> </li> </ul>	Following non- compliance	Quarry Manager	Summary in AEMR



Item	Action	Trigger/Timing	Responsibility	Reporting	
5.8	5.8 CONTINUOUS IMPROVEMENT				
A	Continuous Improvement  All transport management controls will be reviewed and if necessary, revised to confirm their applicability on an ongoing basis throughout the life of the Project.  All controls in this plan will be reviewed and if necessary, revised to confirm their applicability on an ongoing basis throughout the life of the Project and ensure continual improvement of management practices. In addition the following circumstances will require review of this plan:  Internal monthly compliance inspections.  Non-compliance with criteria.  Annual review.  Modifications of the Consent  Audit Report.	Annually at minimum	Quarry Manager	Summary in AEMR	



### 6. REPORTING

The following items associated with this plan will be reported and/or recorded during the project.

Table 6: Reporting Requirements

Item	Report	Trigger	Responsibility	Reporting Authority
Α	Driver Code of Conduct monitoring	Following monthly monitoring	Quarry Manager	Summary of results in AEMR
В	Weighbridge records	Ongoing	Quarry Manager	Records uploaded to website monthly. Summary of results in AEMR.
С	Induction Records include driver acknowledgement of the need to adhere to the Code of Conduct <sup>1</sup> .	Ongoing for each new truck driver	Quarry Manager	Nil
D	Incident Notification	Following identification of a non-compliance.	Quarry Manager	DPIE – within 24 hours
E	Non-Compliance and Corrective Action Report	Following identification of a non-compliance	Quarry Manager	DPIE
F	Monthly Inspections	Following monthly internal inspections	Quarry Manager	Internal
G	Three-yearly Independent Environmental Audits	Following three- yearly independent audit	Quarry Manager	DPIE
Н	Annual Environmental Management Report (AEMR).  AEMR to include:  Summary of all transport monitoring results and management actions undertaken in the 12-month period;  Summary of any transport incidents or non-compliances recorded in the 12-month period;  Summary of any transport incidents or non-compliances recorded in the 12-month period;  Summary of any transport- related complaints recorded in the 12-month period;	Annually at time agreed with DPIE	Quarry Manager	DPIE

<sup>&</sup>lt;sup>1</sup> Truck drivers were initially required to sign a separate Driver Declaration form that was appended to this TMP, Version 7 and later of this plan integrated this declaration with the induction process to streamline record keeping.



Item	Report	Trigger	Responsibility	Reporting Authority
	Summary of corrective actions and improvements to reduce transport impacts.			
	AEMR will be uploaded to Project website within two weeks of report being issued.			
I	Security Guard Inspection Log	Following complaint regarding site access issues. (for first 6 months of operations this was twice per week)	Quarry Manager	Internal – records retained of response actions.



### APPENDIX 1: DRIVER CODE OF CONDUCT

This Driver Code of Conduct encourages safe haulage activities within the site and on public roads to limit impacts to community and native fauna from this quarry.

It is a requirement of the Development Consent Conditions for the project and applies when the guarry becomes operational (see **Table 5**).

All truck drivers will adhere to the Driver Code of Conduct for the duration of quarry operations. Upon commencement with WSS (and prior to transporting quarry material) each driver will review the Driver Code of Conduct and declare within the site induction process that they understand and agree with the requirements of this Code of Conduct.

All truck drivers will comply with the Drivers Code of Conduct. Failure to meet the requirements of the Drivers Code of Conduct will result in disciplinary action by Newcastle Sand. This may include a verbal warning, written warning, suspension or permanent dismissal from the site.

#### 1. KEY RISKS

All drivers are to be aware of the key issues in accessing the site:

- Private dwellings are near the quarry avoid generating excessive noise.
- Koala and other native fauna may be present in area take caution at dawn and dusk and notify guarry manager where observed or injured.
- **Vehicles stopping and school buses** vehicles may stop with limited warning stop to access private dwellings off Cabbage Tree Road take caution, leave adequate space.
- Adhere to speed limits.
- No stopping gates open 6 am sharp on weekdays and 7 am Saturdays Do not arrive until opening time. Do not park in Cabbage Tree Road or the quarry driveway or idle at the quarry gates.
- No convoys leaving site.
- Haulage rates are strictly limited (6 before 7 am, 10 per hour from 7am to 6 pm) book your slot early or contact quarry before entry.
- Uncovered loads. All loads must be covered prior to leaving site.

#### 2. GENERAL REQUIREMENTS

All truck drivers must:

- Contact the quarry prior to arriving to ensure site access and haulage is available at the expected time. At the time of booking, a copy of this code of conduct will be supplied.
- Undertake a site induction on the first trip into the quarry prior to transporting any quarry material:
- Hold a valid driver's licence for the class of vehicle that they operate;
- Operate and maintain the vehicles consistent with manufacturer standard;
- Operate the vehicle in a safe manner within and external to the Quarry site;
- Use seat belts when driving or when a passenger in the vehicle;



- Drive to the sign posted speed limit, both on the public roads and within the quarry;
- Comply with the direction of authorised site personnel when within the site.

#### 3. OPERATING HOURS

The quarry is limited to the following hours for Loading and dispatch of trucks:

- 6:00am to 7:00am Monday to Friday six (6) trucks only if pre booked with Newcastle Sand.
- 7:00am to 6:00pm Monday to Friday, 7:00am to 4:00pm Saturday;
- No works on Sunday or public holidays.

At no time are trucks permitted to park or stop (excepting an emergency) on the verge adjacent to the quarry or within the quarry deceleration lanes or driveway. Drivers are encouraged to delay site entry until the quarry is open. No parking or idling at gate is permitted. Temporary parking, that is clear of dwellings, may be suitable, subject to road rules over 5 km to the east (toward Hexham) or 4 km to east (at service station). **Site staff** will patrol the road to ensure drivers adhere to this rule.

Failure to follow and abide by these operating conditions will result in the individual driver breaching the conditions being banned from site for 24 hours AND that driver will be asked to leave site empty after 7am.

The following activities are permitted outside these hours:

- Delivery or dispatch of materials as requested by the Police or other authorities;
- Emergency work to avoid loss of lives or prevent environmental harm.

### 4. TRUCK MOVEMENT LIMITS

The following truck movement limits apply to the quarry:

- Laden truck movements exiting the site do not exceed 6 per hour during the period from 6 am to 7 am, Monday to Friday;
- Laden truck movements exiting the site do not exceed 10 per hour during the period from 7 am to 5 pm, Monday to Friday;
- Laden truck movements exiting the site do not exceed 10 per hour during the period from 7 am to 4 pm, Saturdays;
- No haulage on Sundays or Public Holidays.

Truck movements from the quarry will be regulated as follows:

- A traffic light will be installed on the outgoing weighbridge that will inform truck drivers when the weighbridge is open. A red light will inform drivers that no trucks are to enter the weighbridge.
- The traffic light will be integrated with the ticketing and invoicing system to regulate the
  maximum hourly traffic limits and annual extraction limits. A truck that does not pass
  through the weigh bridge system cannot be weighed or invoiced.
- A video camera will also be installed at the weighbridge to monitor the time and direction
  of travel of vehicles as they enter and leave the quarry for auditing of truck movements as
  needed.



#### 5. HAULAGE ROUTE

The site is accessed from the northern side of Cabbage Tree Road, Williamtown, via a left in, and left out upgraded intersection inclusive of deceleration and acceleration lanes. Vehicles travelling west from the quarry are required to travel on Cabbage Tree Road to the Nelson Bay | Cabbage Tree Road roundabout and return on Cabbage Tree Road. Transport is to use arterial roads in preference.

Masonite and Old Punt Road, Tomago, are not to be used for the haulage of sand, except for deliveries to properties in the immediate vicinity of those roads.

#### 6. SPEED LIMITS

The following speed restrictions apply for vehicles entering and exiting the quarry:

- Outgoing traffic at 60 km/h between outgoing weighbridge and Cabbage Tree Road;
- Incoming traffic at 40 km/h between Cabbage Tree Road and the incoming weighbridge;
- Incoming traffic at 20km/h from the weighbridge to the processing plant / stockpiles.

Drivers are to observe posted speed limits with speed adjusted appropriately to suit road and weather conditions.

#### 7. TRUCK ARRIVAL & DEPARTURE

All customers will be encouraged to not arrive prior to 06:00am Monday to Friday.

Trucks arriving prior to quarry opening hours (prior to 7:00am) are required to pre-book loading slots due to the high demand for these timeslots. Any unexpected truck turning up on site will have to wait onsite (with vehicle turned off) prior to exiting the site in the allocated slots.

Trucks will not park on the verge of Cabbage Tree Road or in the quarry entrance at any time prior to or during quarry opening hours. Security guards or site staff will patrol the road to ensure drivers adhere to this rule. Licence plate details will be collected and provided to Newcastle Sand for further action.

As noted above, failure to follow and abide by these operating conditions will result in the individual driver breaching the conditions being banned from site for 24 hours AND that driver will be asked to leave site <u>empty</u> after 7am.

Drivers will use UHF radio contact to Quarry Manager for enquiries prior approach to the quarry.

Trucks departing the Quarry should be separated by a minimum of 5-minute intervals. This will be controlled as far as practicable by the loader operator however it is important for all drivers to be aware of the requirement to avoid convoys leaving the quarry, particularly during peak periods.

#### 8. SCHOOL BUS TIMES AND PEAK HOUR

Safety of the public and quarry staff is paramount, as such avoiding peak hour periods and school bus services where possible is encouraged. School bus services run along Tomago Road and Cabbage Tree Road with bus stop locations varying depending on the residential address of the children using the bus on any given day. Buses stop within the existing road shoulder at the discretion of the bus driver.



- The hours of school bus operation are approximately between 7:30 am and 9:00 am and 3:30 pm and 5:00 pm.
- Traffic progressively increases and tapers from the peak hour periods that occur between **7am to 8am** in the morning and **3pm to 4pm** in the afternoon.

Truck drivers are instructed to be aware of possible school bus movements in these periods, and to decelerate if they see a school bus stopped beside the road.

The proposed quarry intersection and associated acceleration and deceleration lanes will be sign posted as "No Stopping" zones to prohibit buses from pulling up in this zone. Bus operators will be advised of these changes and provided with copy of this plan.

#### 9. SIGNAGE

The quarry intersection and associated acceleration and deceleration lanes will have the following signage installed:

- "No Stopping Zones";
- Digital signage stating whether quarry is opened or closed to avoid truck entry and idling at entry if gate is closed;
- · Quarry approach and need to limit air breaking;
- Speed limit signage for 40 km/h entering site before intersection;
- Sign on gate: No truck parking permitted at gate. In the event of arriving prior to gate being
  open turn off vehicle immediately. Do not reverse with beepers onto Cabbage Tree Road
  and do not park on Cabbage Tree Road.
- Where feasible appropriate signage will be displayed on trucks used to transport product from the quarry, so they can be easily identified by road users.

#### 10. COMPRESSION BRAKING

**No compression braking** to be used in accessing the quarry or whilst onsite (safety and/or emergency scenarios excepted).

Due to the proximity of residential homes in Cabbage Tree Road, drivers are requested to limit truck noise in this area as much as possible.

#### 11. NOISE MINIMISATION

The following measures will be implemented to reduce noise impacts:

- Adherence to the approved operating hours of the Quarry as specified in the Development Consent (refer **Section 3** of this Code of Conduct);
- Use of truck's compression brakes accessing or within Quarry to be avoided (excepting emergency);
- When parked or waiting, truck engines shall be turned off to eliminate unnecessary engine idle noise.

### 12. LOAD COVERING & CLEANING

All loaded trucks departing the quarry are required to have an adequate cover over their load for the duration of the trip. The load cover may be removed upon arrival at the delivery site.

No loaded vehicles are to leave site uncovered.



Additionally, **all trucks will be cleaned prior to leaving the site** to ensure loose sand or dirt is removed from the vehicle body and wheels to reduce spillage onto internal and external roads. Drivers must ensure that following tipping that the **tailgate is locked** before leaving the site.

Roadways will be monitored regularly for dust, sand and dirt/mud build-up from loose loads and dirty vehicles.

If required, due to activities from the site, Cabbage Tree Road and Tomago Road may need to be swept by Newcastle Sand. **Drivers are to notify the Quarry Manager if they notice a sand build up on public roads adjoining site**.

#### 13. KOALA AND NATIVE FAUNA PROTECTION

The potential for fauna strike (including Koala) is a realistic hazard on both the roads within the quarry and along Cabbage Tree Road. The fence located along the frontage to Cabbage Tree Road and quarry access is intended to limit the potential for vehicle strikes.

To further protect Koalas and other fauna the following is required:

- Adhere to the maximum speed limit within the quarry and on external roads;
- Any sighting of a koala to be announced on Quarry UHF Channel 28 and Quarry Manager notified;
- If a koala is on the road then stop your vehicle until it has moved off the road and/or encourage it to move back to vegetated areas.

The protocol for caring for injured fauna includes:

• If an animal is injured through vehicle strike, then assistance is to be rendered & the animal transported to a vet for treatment. Report to Quarry Manager, who will arrange for suitable wildlife care or veterinary treatment. Contact details for WIRES wildlife rescue and local veterinarians are listed in **Section 4.1**.

#### 14. OTHER SAFETY HAZARDS

Other hazards drivers should be aware of include:

- Concealed driveways and access to private properties on Cabbage Tree Road Drivers
  are to drive with caution on Cabbage Tree Road, and be aware of vehicles turning to
  access properties.
- Wet weather safety drivers should adjust their driving speed to suit prevailing wet weather conditions encountered on the designated haul routes
- Comply with Fatigue Management requirements.

#### 15. BREACHES OF CODE OF CONDUCT

Where a driver is determined to breach this Code of Conduct a warning will be provided.

Repeated breaches of the Code of Conduct by an individual, will result in the suspension of access to the site for minimum of one month, and requirement to recomplete the site induction. Serious or repeated breaches after suspension will result in the suspension of drivers for 12 months or permanently at the discretion of Newcastle Sand.



### **16. DRIVER UPDATES**

Where Newcastle Sand becomes aware of changed traffic conditions that have the potential to affect haulage activities, an update will be provided to the haulage company at time of booking. Frequent haulage operators will also typically be aware of the changes to traffic conditions.

#### 17. CONTACTS AND COMMUNICATION

All drivers are to use the following contacts:

- Accidents or Emergency 000, when safely reported, then Quarry Manager on UHF 28, or mobile: 0402 648 079.
- Booking or clarification of access time 0402 648 079
- Within 5 km of site, near open or closing times notify quarry on UHF 28.
- Hazards or fauna on roads within or adjacent to site UHF 28.
- For injured or killed fauna, contact on the Quarry Manager on UHF 28, or mobile: 0402 648 079.



# **APPENDIX 2: AGENCY CONSULTATION**

Correspondence	Comment	Response	
Letter sent to RMS on 20 December 2018	Response received on 10 April 2019. Only requested amendment was that signage is installed on Cabbage Tree Road advising of trucks entering.	Newcastle Sand has developed the detailed plans for the construction of the intersection in consultation with the RMS, this includes the signage for Cabbage Tree Road.	
Letter sent to PSC on 20 December 2018	Minor amendments to phrasing requested to avoid reader confusion.     Sought clarification towards prohibition of vehicles using Williamtown Drive (questioning whether Newcastle Sand were referring to Medowie Road).	Requested amendments to phrasing applied.     Reference to Williamtown Drive removed from the plan – originally included due to inclusion in conditions of consent (potential error in consent – Williamtown Drive provides no thoroughfare to the Cabbage Tree Quarry that may be useful for quarry deliveries and site personnel).	
Email from DPIE regarding amendment of draft TMP on 18 March 2019	1. Page 2, second paragraph and Key Risks section of Appendix 1.  — reference is made to trucks not being allowed to park or stop in the driveway to the quarry gates. From page 39 of the Assessment Report, mention is made that there would be room for 3 trucks to park on the entry drive to the quarry. Elsewhere in the TMP it seems to indicate that trucks may be able to park on the entry road if the gate is closed. Strictly there is to be no parking of trucks on the verge of Cabbage Tree Road in the vicinity of the quarry. Please check that the TMP is consistent with the information upon which the consent is based.	<ul> <li>Agree that no parking is permitted in Cabbage Tree Road or the driveway / entrance to the Quarry. However, have kept driver instructions regarding arrival at the gate prior to opening in the event this occurs.</li> <li>Amended truck parking references throughout document to clarify - Table 2 Appendix 2(b)(d), Table 5 Section 5.2(f) and Appendix 1 (Items 1, 2, 7 and 9).</li> </ul>	



Correspondence	Comment	Response
	Page 3. Table 2 . I do not understand the references to Williamtown Drive. I cannot find any reference to this road in the conditions of consent. The roads not to be used except for local deliveries are Masonite road and Old Punt Road.	Williamtown Drive comment is listed the Development Consent Conditions (Schedule 3, Item 25c, bullet point 7) and is a typing error.
	Page 15, Item F, last dot point – Typo – no hyphen in "sign-on gate"	Removed all references to this point in TMP (refer Q1 response above).
	4. Page 5 of Appendix 1, first sentence. It would be helpful if information about who and how to contact animal care were to be included in this section to assist the Quarry Manager. Such information could include the contact details for a local vet, the Koala Preservation Society or WIRES.	Information added to Appendix 1 (Item 13) and Section 4.1 Key Contacts
Version 7 21 February 2021 Amended version provided to DPIE for review	<ul> <li>Minor corrections required to acronym.</li> <li>Additional text regarding Cabbage Tree Road speed limit.</li> <li>Management control relating to air braking to be included in controls as well as Code of Conduct.</li> <li>Update references in Table 2.</li> </ul>	Corrections made.
Version 8 5 March 2021 Amended version provided to DPIE for review	<ul> <li>Section 1.3 – replace the work 'should' with 'will'</li> <li>'bulk bags' – check possible typographical error</li> <li>Appendix 2 – if this is no longer required, please include as a line within the document as to how this is now addressed rather than having a separate appendix</li> <li>Potentially remove the term 'you' where referencing drivers and/or rephrase.</li> <li>As the changes between provided v7 (15 Feb 2021) and v8 (05 March 2021), we would consider that the version is still v7, with a revised date. Please could you upload the revised v7_20210305 to PSIMS (Major Projects) website, and I can progress the review.</li> </ul>	Corrections made.  Bulk bag used in preference to more trade marked term "bulka" bag.  Appendix 2 deleted, foot note in reporting included, and reference to declarations in actions updated.  Added Complaint procedure in full.  Added website address to contacts table.  Adjusted wording from you to driver.  Changed to v7 dated 10 March.



Correspondence	Comment	Response
Version 7 10 March 2021 Amended version provided to DPIE for review.	-	•

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