

# TRAFFIC MANAGEMENT PLAN AND TRUCK DRIVER CODE OF CONDUCT

CENTRAL COAST SANDS QUARRY RESERVOIR ROAD, SOMERSBY  
NOVEMBER 2019



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## Document Control

Issue	Date	Description	By
A	28/10/14	Draft	DD (Intersect Traffic)
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D	20/11/14	Approved	JG (Intersect Traffic)
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F	25/7/2019	Update	BP (Hanson)



# 1. Traffic Management Plan

## 1.1. Introduction

Schedule 3 Condition 21 of Project Approval 08\_0173 under the Environmental Planning and Assessment Act 1979 for the extension of the existing Central Coast Sands Quarry (the Quarry) to part Lot 10 DP 1090880, Keighley Road, Somersby, requires the operator Hanson Construction Materials Pty Ltd to complete and implement a Traffic Management Plan prior to operations commencing at the new Quarry extension:

*"The Proponent shall prepare and implement a Traffic Management Plan for the project, to the satisfaction of the Secretary. This plan must:*

- a) Be submitted to the Secretary for approval prior to the end of November 2014;*
- b) Include a drivers' code of conduct to minimise the impacts of project-related trucks on local residences and road users; and*
- c) Describe the measures that would be put in place to ensure compliance with the drivers' code of conduct."*

This Traffic Management Plan and Truck Driver Code of Conduct (TMP) has been prepared by Hanson Construction Materials Pty Ltd (the Proponent) for the Quarry. The TMP is largely based on a document prepared by Intersect Traffic Pty Ltd in November 2014. This TMP is a second iteration of the document following review of the original TMP and effectively updates the version prepared in November 2014. The purpose of this document is to minimise the impacts of the heavy vehicle traffic on Grants Road, associated with the Quarry located in Reservoir Road Somersby, on the community and to manage the movement of heavy vehicles using best industry practice.

The final document is to be to the satisfaction of the Secretary of the NSW Department of Planning, Industry and Environment (DPIE).

## 1.2. Site Location

The site is located approximately 3 km south-west of the village of Somersby, NSW. Access to the site is via the Pacific Motorway (M1) using Wisemans Ferry Road, Grants Road and Reservoir Road.

Grants Road from Wisemans Ferry Road to Reservoir Road is a rural road providing one (1) lane of travel in both directions with a speed limit of 80 km/h. Reservoir Road from Grants Road to the Central Coast Sands quarry entrance is also a rural road providing one (1) lane of travel in both directions. **Figure 1** below shows the Quarry location.

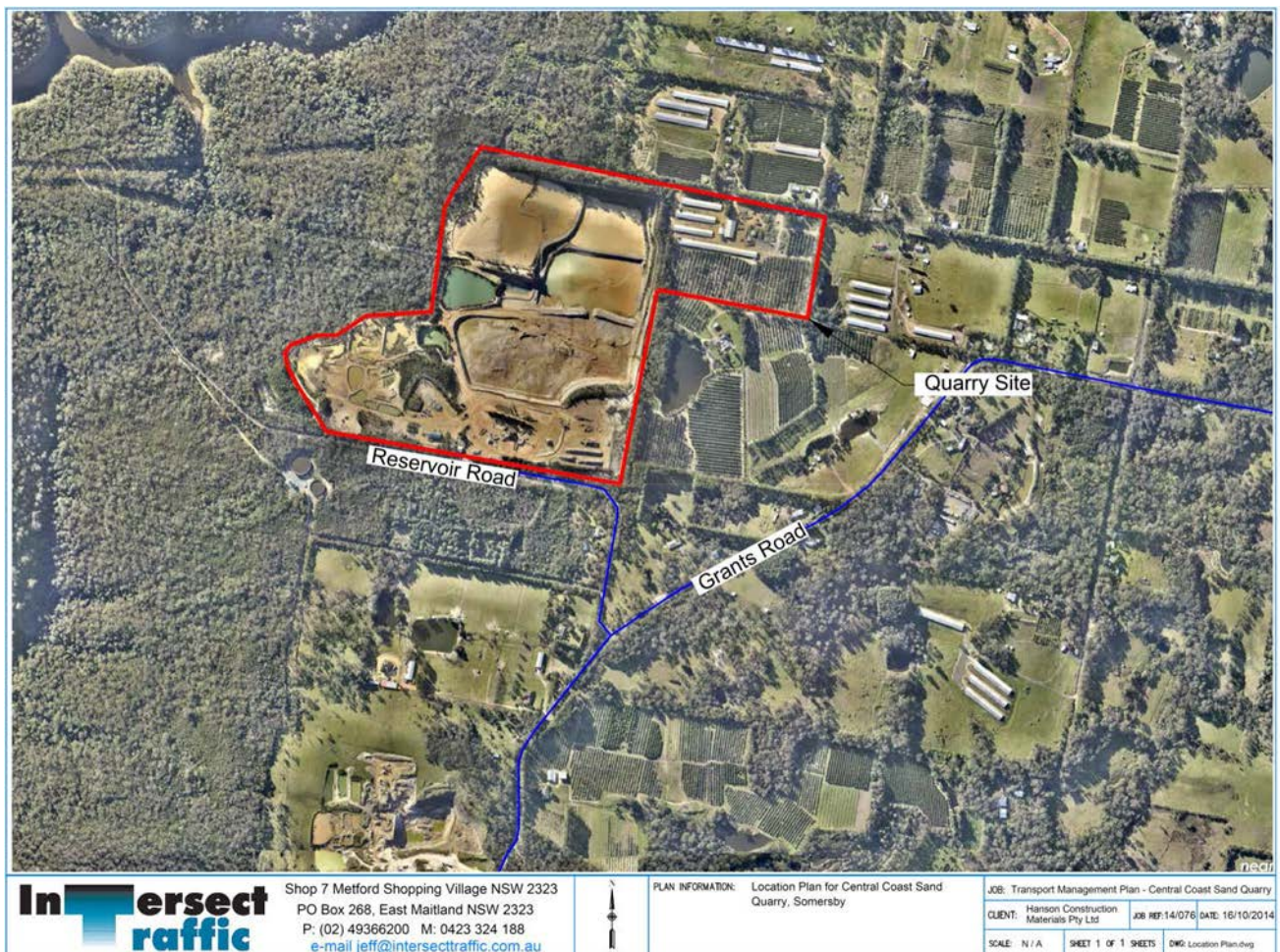


Figure 1: Quarry Location Plan

### 1.3. Transport Limitations

The Quarry provides the supply of construction materials (sand) to the local and regional markets at a competitive price while preventing environmental damage and minimising impact from the transport of the materials. Transportation of materials is limited to 310,000 tonnes per annum (*Schedule 3, Condition 8*) and controlled via the SAP system at the weighbridge.

The Quarry must comply with the operating hours in **Table 1**.

**Table 1: Operating Hours**

Activity	Operating Hours
Transportation of products from the site	6.00 am to 4.00 pm, Monday to Friday, and 6.00 am to 2.00 pm, Saturday. No transportation of quarry product from the site on Sundays or Public Holidays
Other Quarrying operations	6.00 am to 6.00 pm, Monday to Friday; and 6.00 am to 4.00 pm, Saturday. No quarrying operations on Sundays or Public Holidays.
Construction activities	7.00 am to 4.00 pm, Monday to Friday; and 7.00 am to 12.00 pm, Saturday. Unless noise from these activities does not exceed 38dB(A) $L_{Aeq}(15min)$ at any privately-owned residence.
Maintenance activities	24 hours a day, 7 days per week, providing maintenance activities are inaudible at any privately-owned residence.

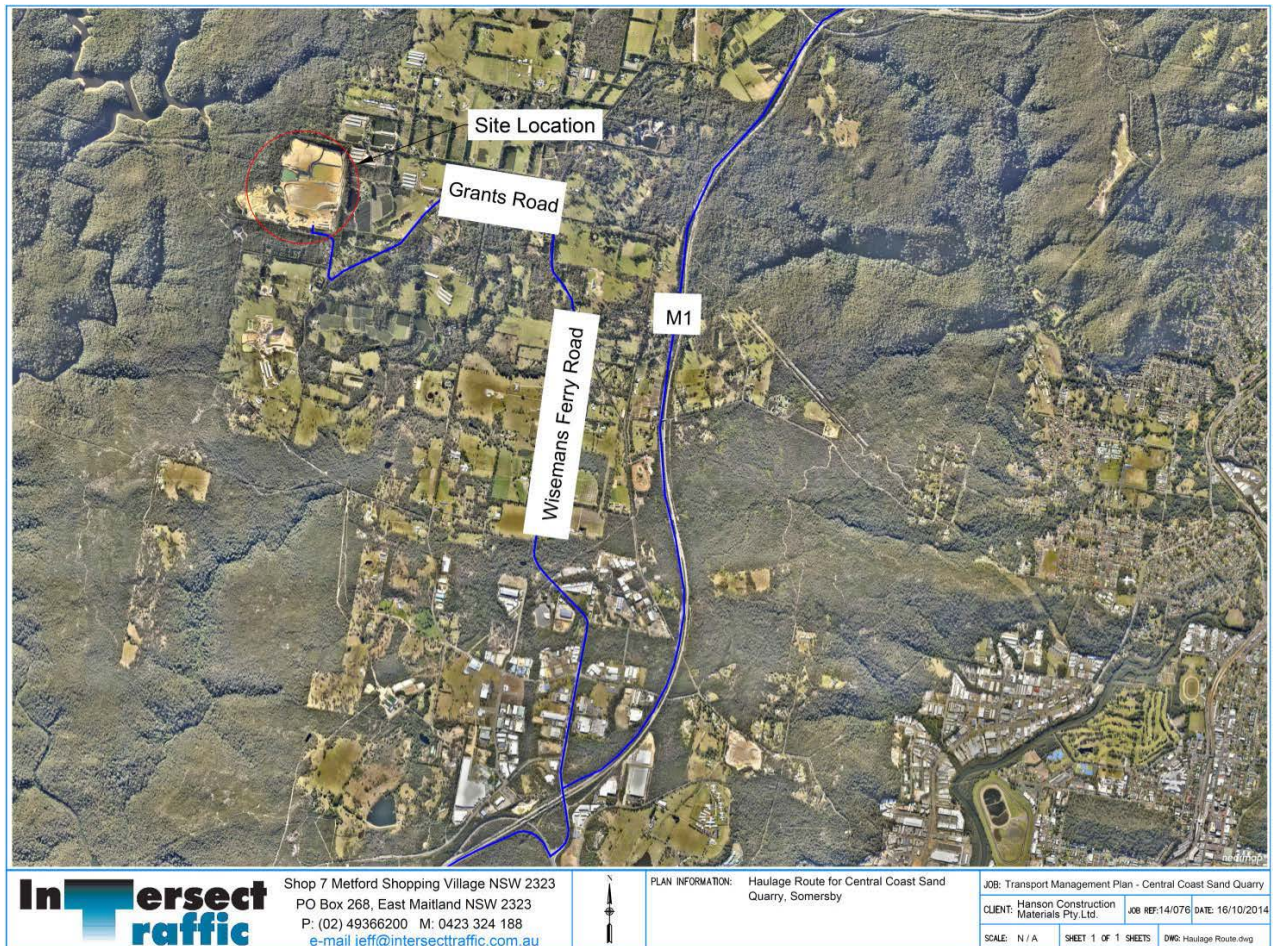
The following activities may be carried out on the site outside these hours of operation;

- (a) Delivery or dispatch of materials as requested by Police or other authorities; and
- (b) Emergency work to avoid the loss of lives, property and/or to prevent environmental harm.

In such circumstances the Quarry shall notify the Secretary and affected residents prior to undertaking the activities or as soon as practical thereafter.

## 1.4. Transportation Route

When travelling towards the Quarry the majority of heavy vehicles will turn left from Wisemans Ferry Road into Grants Road and when exiting Grants Road they will turn right into Wisemans Ferry Road. **Figure 2** identifies the main haulage route to and from the Quarry.



**Figure 2: Haulage Routes**

## 1.5. Monitoring of Product Transport

In accordance with *Schedule 3, Condition 17* the Proponent shall:

- (a) *Keep accurate records of:*
  - (i) *The amount of quarry products transported from the site (per calendar month and year); and*
  - (ii) *The number of laden vehicle movements from the site (per hour, day, week, calendar month and year); and*
- (b) *Publish these records on its website biannually*

Additionally, in accordance with *Schedule 2, Condition 16* the Proponent shall:

- a) *provide annual quarry production data to DRE using the standard form for that purpose;*
- b) *report this data in the Annual Review .*

The Quarry Manager is to provide DRE with the annual volumes via the standard form with annual data reproduced within each Annual Review.

Monitoring of product transport is through the use of the SAP system on the weighbridge that records the time and date of dispatch as well as truck, product type and weight. The bi-annual (*Schedule 3, Condition 17(b)*) product transport records can be accessed via the Hanson website:

<https://www.hanson.com.au/about-us/regulatory-information/central-coast-sands-quarry/>. The biannual reporting allows the Quarry to monitor production amounts through the year to ensure no more than 310,000 tonnes of quarry material is transported from the site in any calendar year.

Undertaking tracking of product transport through SAP allows the monitoring of tonnes transported annually, in accordance with *Schedule 2, Condition 8*:

*The Proponent shall not extract, process and transport more than 310,000 tonnes of quarry products from the site in any calendar year.*

## 1.6. Legal and Other Requirements

The requirements of this Traffic Management Plan and Driver Code of Conduct are to:

- (a) Ensure compliance with the conditions included under *Schedule 3 Condition 21* of the Department of Planning’s consent conditions;
- (b) Encourage compliance and acceptance of the Truck Driver Code of Conduct by all heavy vehicle drivers using the quarry;
- (c) Minimise the heavy vehicle impacts on the community;
- (d) Foster an understanding and awareness within the company of community expectations and legislative requirements in regard to heavy vehicle movements;
- (e) Protect and enhance public safety through compliance with relevant road rules;
- (f) Increase OH&S understanding in relation to fatigue, vehicle operation in public areas and obligation to the general public.

Approval 08\_0173 includes the required criteria that the Proponent must comply with and sets out the core requirements of this Plan. Relevant transport and traffic related conditions associated with this approval are reproduced in Table 2.

**Table 2: Traffic and Transport related Project Approval Requirements**

Schedule	Condition	Section Where Addressed
<b>Traffic Management Plan</b>		
3(21)	The Proponent shall prepare and implement a Traffic Management Plan for the project, to the satisfaction of the Secretary. This plan must:	
	(a) be submitted to the Secretary for approval prior to the end of November 2014;	<b>1.1</b>

	(b) include a drivers' code of conduct to minimise the impacts of project-related trucks on local residences and road users; and	2, 5, 6				
	(c) describe the measures that would be put in place to ensure compliance with the drivers' code of conduct.	3				
<b>Production Limit</b>						
2(8)	The Proponent shall not extract, process and transport more than 310,000 tonnes of quarry products from the site in any calendar year.	1.5				
<b>Noise</b>						
3(8)	The Proponent shall comply with the operating hours in Table 1.					
	<table border="1"> <thead> <tr> <th>Activity</th> <th>Operating Hours</th> </tr> </thead> <tbody> <tr> <td>Transportation of quarry products from the site</td> <td>6.00 am to 4.00 pm, Monday to Friday; and 6.00 am to 2.00 pm, Saturday.  No transportation of quarry product from the site on Sundays or Public Holidays.</td> </tr> </tbody> </table>	Activity	Operating Hours	Transportation of quarry products from the site	6.00 am to 4.00 pm, Monday to Friday; and 6.00 am to 2.00 pm, Saturday.  No transportation of quarry product from the site on Sundays or Public Holidays.	1.3
Activity	Operating Hours					
Transportation of quarry products from the site	6.00 am to 4.00 pm, Monday to Friday; and 6.00 am to 2.00 pm, Saturday.  No transportation of quarry product from the site on Sundays or Public Holidays.					
<b>Monitoring of Product Transport</b>						
3(17)	<p>The Proponent shall:</p> <p>(a) keep accurate records of:</p> <p>(i) the amount of quarry products transported from the site (per calendar month and year); and</p> <p>(ii) the number of laden vehicle movements from the site (per hour, day, week, calendar month and year); and</p> <p>(b) publish these records on its website biannually.</p>	1.3, 1.5				
<b>Operating Conditions</b>						
3(18)	The Proponent shall ensure that:					
	(a) all project-related heavy vehicles enter and exit the site in a forward direction;	2.7				
	(b) all laden vehicles entering or leaving the site have their loads covered; and	2.6				
	(c) all laden vehicles leaving the site are cleaned of sand and other material that may fall on the road, before leaving the site.	2.6				
<b>Production Data</b>						
2(16)	<p>The Proponent shall:</p> <p>(a) provide annual quarry production data to DRE using the standard form for that purpose; and</p> <p>(b) report this data in the Annual Review (see condition 4 of Schedule 5).</p>	1.5				
<b>Incident Reporting</b>						
5(7)	The Proponent shall immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days	3.3				



	of the date of the incident, the Proponent shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.	
<b>Access to Information</b>		
5(11)	By the end of November 2014, the Proponent shall:  (v) a complaints register, updated monthly;	<b>3.2</b>

## 1.7. Objectives and Outcomes

Table 3 presents the objectives and key performance outcomes for this Plan and the Quarry.

**Table 3: Objectives and Key Performance Outcomes**

Objectives	Key Performance Outcomes
Ensure compliance with all relevant project approval conditions, statements of commitment and reasonable community expectations	Compliance with all relevant criteria and reasonable community expectations, as determined in consultation with the relevant government agencies.
Encourage and enforce compliance and acceptance of the Truck Driver Code of Conduct by all heavy vehicle drivers using the quarry;	All heavy vehicle drivers using the quarry have accepted and signed the Truck Driver Code of Conduct with quarry personnel continuously encouraging and enforcing compliance.
Protect and enhance public safety through compliance with relevant road rules;	All vehicles drivers using the quarry must comply with relevant road rules. If a driver is found to have not complied with relevant road rules while working will be reprimanded as required within the Driver's Code of Conduct.
Increase occupational health and safety (OH&S) understanding in relation to fatigue, vehicle operation in public areas and obligation to the general public;	All heavy vehicle drivers to be aware and comply with fatigue management requirements, vehicle operation in public areas and obligation to the general public as outlined within the Driver's Code of Conduct and as required by law.

## 2. Driver Code of Conduct

### 2.1. General Requirements

Heavy vehicle drivers hauling from the Quarry must:

- i. Have undertaken a site induction carried out by an approved member of the quarry staff or suitably qualified person under the direction of the quarry management;
- ii. Hold a valid driver's licence for the class of vehicle that they operate;
- iii. Operate the vehicle in a safe manner within and external to the quarry site;
- iv. Comply with the direction of authorised site personnel when within the site;

### 2.2. Heavy Vehicle Speed

Increased speed means not only an increased risk of crashing but also increased severity if an accident occurs. A study undertaken for the Australian Transport Safety Bureau found that travelling 10 km/h faster than the average traffic speed can more than double the risk of involvement in a casualty accident (Source: Roads and Maritime Services (RMS)).

There are two types of speeding:

- i. Where a heavy vehicle travels faster than the posted speed limit; and
- ii. Where a driver travels within the speed limit but because of road conditions (e.g. fog or rain) this speed is inappropriate.

Drivers and truck operators are to be aware of the "Three Strikes Scheme" introduced by the Roads and Maritime Services which applies to all vehicles over 4.5 tonnes. When a heavy vehicle is detected travelling at 15 km/h or more over the posted or relevant heavy vehicle speed limit by a mobile Police unit or fixed speed camera, the RMS will record a strike against that vehicle. If three strikes are recorded within a three year period, the RMS will act to suspend the registration of that vehicle (up to three months).

Vehicle speed on public roads is enforced by the NSW Police Service. The speed limits – which are accordingly signposted – are to be strictly maintained.

All vehicle drivers are to adhere to the posted speed limits on-site. Vehicle drivers who do not adhere will receive a strike against their name, following the **Driver's Code of Conduct Disciplinary Action Register (Section 3.2)**.

Road vehicle drivers are to adhere to the following speed limits on-site:

- 15km/h for light vehicles
- 15km/h for heavy vehicles with 25km/h on internal haul roads.

***Drivers are to observe the posted speed limits, with speed adjusted to suit the road environment and prevailing weather conditions, to comply with the Australian Road Rules. The vehicle speed must be suitable to ensure the safe movements of the vehicle based on the vehicle configuration.***

## 2.3. Heavy Vehicles Driver Fatigue

Fatigue is one of the biggest causes of accidents for heavy vehicle drivers. The Heavy Vehicle Driver Fatigue Reform was therefore developed by the National Transport Commission (NTC) and approved by Ministers from all States and Territories in February 2007.

The heavy vehicle driver fatigue law commenced in NSW on 28 September 2008 (current version 1 October 2018) and applies to trucks and truck combinations over 12 tonne GVM (however there are Ministerial Exemption Notices that can apply).

Under the law, industry has the choice of operating under three fatigue management schemes:

- i) Standard Hours of Operation
- ii) Basic Fatigue Management (BFM)
- iii) Advanced Fatigue Management (AFM)

If the adopted fatigue management scheme is not operated as required they will receive a strike in accordance with the Driver's Code of Conduct Disciplinary Action Register (**Section 3.2**).

***All heavy vehicle drivers operating out of the Central Coast Sands Quarry are to be aware of their adopted Fatigue Management Scheme and operate within its requirements. By law, all drivers have a duty to not drive a fatigue-regulated heavy vehicle on a road while impaired by fatigue.***

## 2.4. Heavy Vehicle Compression Braking

Compression braking by heavy vehicles is a source of irritation to the community generating many complaints, especially in the morning shoulder period when residents are especially sensitive to noise.

In some instances compression braking is required for safety reasons however when passing through or adjacent to residential areas or isolated farmsteads a reduction in the speed of the vehicle is recommended to reduce the instances and severity of compression braking.

Due to the relative proximity to homes along Grants Road, drivers are requested to limit the noise created in this area as much as possible with compression braking within the local residential areas only be used if required for safety reasons. Vehicle drivers who do not adhere (community complaint investigated) will receive a strike against their name, following the **Driver's Code of Conduct Disciplinary Action Register (Section 3.2)**.

***All heavy vehicle drivers operating out of the Quarry are to ensure brakes are applied so as not to create excessive noise that could disturb local residents where possible. Compression braking along Grants Road is only to be used if required for safety reasons.***

## 2.5. Heavy Vehicle Noise

If drivers are required to wait for their next load they are to wait with engines turned off within the Quarry site in the designated on-site truck parking area. There is to be no trucks stopping on Grants Road at anytime. Vehicle drivers who do not adhere (community complaint investigated) will receive a strike against their name, following the **Driver's Code of Conduct Disciplinary Action Register (Section 3.2)**.

## 2.6. Load Covering

Loose material on the road surface has the potential to cause road crashes and vehicle damage. Uncovered loads represent the greatest risk to loose material on the road and an increase in dust impacts on neighbouring residents along haul routes. To prevent these issues and in accordance with *Schedule 3, Condition 18(b)*, all heavy vehicles must be covered, whether loaded with material or not. Vehicle drivers who do not adhere will receive a strike against their name, following the **Driver's Code of Conduct Disciplinary Action Register (Section 3.2)**.

*Schedule 3, Condition 18(c)* states that all laden vehicles leaving the site are cleaned of sand and other material that may fall on the road, before leaving the site. All vehicles must go through the wheel wash before exiting the Quarry site due to its placement prior to the weighbridge. The weighbridge operator will monitor the correct use of the weighbridge (and, as such, access to the wheel wash) and vehicle drivers who do not adhere will receive a strike against their name, following the **Driver's Code of Conduct Disciplinary Action Register (Section 3.2)**.

***All trucks arriving at or departing from the Quarry whether loaded with material or not are required to have an effective cover over their load for the duration of the trip. The load cover may be removed upon arrival at the delivery site.***

***All care is to be taken to ensure that all loose debris from the vehicle body and wheels is removed prior to leaving the site. All heavy vehicles must use the wheel wash before leaving the site.***

***Drivers must ensure that following tipping that the tailgate is locked before leaving the site.***

***Quarry management is to monitor loose material on the side of the haulage route from quarry operations and take action (removal or suppression) regularly (Section 4.2).***

## 2.7. Vehicle Departure and Arrival

Heavy vehicles travelling in close proximity on single lane public roads can be of concern to light vehicle drivers as well as increasing noise through or adjacent to residential areas. To alleviate public concern and increase road safety, heavy vehicles leaving the Quarry will be separated by a minimum two minute interval.

It is difficult to schedule arrivals to the Quarry (except at the commencement of work for the day) due to the different directions of approach from external jobs and the varying job completion times, however, when a driver becomes aware, through visual contact or two-way contact between trucks, that they will arrive at approximately the same time then they are to ensure that there is a gap between vehicles (please note that no trucks are allowed to stop along Grants Road as discussed in Section 2.5).

In accordance with *Schedule 3, Condition 18(a)* all project-related heavy vehicles must enter and exit the site in a forward direction. Any project-related heavy vehicle that is seen attempting to enter or exit the site in any direction apart from forward will be stopped and given the correct action. Vehicle drivers who do not adhere will receive a strike against their name, following the **Driver's Code of Conduct Disciplinary Action Register (Section 3.2)**.

***To alleviate public concern and increase road safety heavy vehicles leaving the Quarry should be separated by a minimum two minute interval. All project-related heavy vehicles must enter and exit the site in a forward direction.***

## **2.8. Breakdowns and Incidents**

In the case of a breakdown the vehicle must be towed to the nearest breakdown point as soon as possible. All breakdowns must be reported to the RMS TMC (Transport Management Centre) on 131700 and the vehicle protected in accordance with the Heavy Vehicle Drivers handbook.

To ensure that traffic impacts are minimised in the event of an incident, rapid response from the haulage company is required. In order to ensure rapid response to incidents drivers must contact the RMS TMC on 131700, their shift manager and Central Coast Sands Quarry Manager as soon as the stranded vehicle and load is safely secured.

If there is a product spill while loading/unloading or en-route the driver must:

- i. Immediately warn persons in the area who may be at risk;
- ii. Inform their shift supervisor/owner. If this occurs on Grants Road or Reservoir Road or the vehicle is owned or contracted by Hanson Construction Materials Pty Ltd the Central Coast Sands Quarry Manager must be immediately informed so that emergency services can be contacted and a cleanup initiated;
- iii. All spills must be adequately cleaned up and waste disposed of in an acceptable and environmental manner;
- iv. Put out warning triangles where it is safe to do so;
- v. Contact the NSW Police Service.

## 2.9. Contact Numbers

**Table 4: Contact Name and Numbers**

Contact Name	Contact Number
RMS Transport Management Centre	131 700
Gosford City Council	(02) 4324 7891
Quarry Management	1800 882 478
NSW Poilce Service (Gosford)	(02) 4323 5599
Driver employee shift supervisor (to be supplied by driver if separate company)	Xxxx xxxx

## 3. Compliance Measures and Monitoring

### 3.1. Traffic Management Plan & Driver Code of Conduct

Review of this Transport Management Plan and Drivers Code of Conduct is to occur within three months of:

- Submission of Annual Review
- Submission of an incident report
- Submission of Independent Environmental Audit
- Any modification to the Project Approval

If it is determined that a review leads to a revision of the TMP, the Proponent must submit the revised document within four weeks of the review.

The document is to be signed by individual drivers and a Hanson Construction Materials Pty Ltd authorised representative the first time they enter Central Coast Sands Quarry at the time when heavy vehicle haulage drivers attend their site induction or shortly thereafter. All Hanson drivers complete the online induction when commencing work with the company.

Toolbox meetings are held monthly for Hanson drivers to allow up-to-date information to be passed between drivers and management at Hanson.

### 3.2. Compliance Measures

To assist in the orderly resolution of complaints and in accordance with *Schedule 5, Condition 11(v)*, quarry management will keep a register itemising all reported incidents relating to complaints in regard to heavy vehicle driver conduct external to the Quarry.

The incident register is to include (where possible):

- i. Date of the complaint;
- ii. Time of the complaint;
- iii. Name of the complainant (if available);
- iv. How the complaint was received;
- v. Detailed description of the complaint (including location, driver/heavy vehicle details);

- vi. What / when actions were taken to resolve the issue; and
- vii. The reply to the person / organisation that made the complaint.

An investigation of the location and causes of the complaint will be undertaken and be completed within 7 days of receiving the complaint. It is important to note that in some situations the nature of the complaint could require more than 7 days of investigation, if this occurs the Quarry Manager or Transport Manager will notify the complainant with an update on the progress within 7 days of receiving the complaint.

Immediately following the completion of the investigation, the Quarry Manager or Transport Manager will provide feedback to the complainant that details the investigations undertaken, the result of the investigation and measures implemented to ensure that operations remain compliant. A description of any follow-up investigations and the response provided to the complainant will also be recorded in the Complaints Register upon closure of the issue.

***The incident register is to be audited annually by quarry management and made available, upon request, to an authorised Council officer. The incident register is to be included within the complaints register, updated monthly and made publically available through Hanson's website.***

In addition to the register, any breach of the Code of Conduct will result in the offending driver being placed on a **Driver's Code of Conduct Disciplinary Action Register**.

There are 3 stages to the process:

**1st Warning** – Driver will be warned for the breach, entered into the register and reinducted.

**2nd Warning** – Driver will be warned for the breach, entered into the register, re-inducted and the company of the driver will be notified that a second breach of the site rules has occurred by the offending driver. The result of this second breach will result in the driver being banned from the site for a period to be determined by management, depending on the severity of their actions.

**3rd Warning** – The driver will be banned and the company of the driver will be notified of the ban period imposed on the driver.

However, any acts of gross misconduct will result in an immediate ban from site.

### **3.3. Incident Reporting**

In accordance with Schedule 5, Condition 7:

*The Proponent shall immediately notify the Secretary and any other relevant agencies of any incident. Within 7 days of the date of the incident, the Proponent shall provide the Secretary and any relevant agencies with a detailed report on the incident, and such further reports as may be requested.*



In the event that an initial investigation concludes that an exceedance of a criterion was directly attributed to activities associated with the Quarry the event will be reported to NSW Department of Planning, Infrastructure and Environment within 24 hours of confirming the incident/non-compliance/exceedance.

Within 7 days of identifying the incident, Hanson will submit a written report with regular updates on the status of the additional mitigation actions to the Secretary and, where relevant, the complainant. The Quarry Manager will be responsible for incident reporting.

### **3.4. Monitoring Measures**

In addition to the Complaint Register and Driver's Code of Conduct Disciplinary Action Register Quarry management will undertake formal observations of compliance at three monthly intervals and will document and undertake any remedial actions with employees, heavy vehicle drivers or haulage companies that may be necessary as a result of these observations.

## 4. 2015 Route Assessment, Dust Generation, Maintenance & Actions

### 4.1. 2015 Route Assessment and Outcomes

In 2015 a route assessment was undertaken for Grants Road and Reservoir Road at the time of the site inspection to investigate improvements to assist both truck drivers and local residents. **Table 5** lists the issues identified from the 2015 inspection with actions undertaken by the Proponent.

**Table 5: 2015 Route assessment findings and action taken by Hanson**

2015 Route Assessment Findings	Actions Taken
The installation of centreline marking in Grants Road and Reservoir Road at bends and crest locations will be raised with Gosford Council (now Central Coast Council);	Completed.
The installation of curve ahead advisory warning signs (with advisory speed plates if necessary) in Grants Road and Reservoir Road will be raised with Gosford Council (now Central Coast Council);	Completed.
The installation of crest ahead advisory warning signs in Grants Road and Reservoir Road will be raised with Gosford Council (now Central Coast Council);	Completed.
The installation of intersection ahead advisory warning signs in Grants Road and Reservoir Road will be raised with Gosford Council (now Central Coast Council);	Completed.
Gosford Council (now Central Coast Council) will be approached in regard to the installation of additional guide posts in Grants Road and Reservoir Road;	Completed. Additional guide posts in Grants Road have been installed (on the corner).
Hanson will maintain the existing access to the quarry site and Reservoir Road and ensure the removal of loose material from trucks before entry to Grants Road by regular inspection and use of suitable road cleaning equipment;	Ongoing.
Hanson will install a sign at the quarry entry displaying the speed limit for travel within the quarry;	Completed.
Hanson will install additional speed limit signage within the quarry precinct;	Completed.
Installation of reminder speed limit signs in Grants Road and Reservoir Road will be raised with Gosford Council (now Central Coast Council). Liaison by Gosford Council with the RMS is necessary as the RMS is the approval body for speed zoning.	Completed 2019 – both roads are now speed signposted.
Gosford Council (now Central Coast Council) will be contacted to undertake required remedial action in Grants Road and Reservoir Road or with appropriate Council approval Hanson will undertake the remedial action;	Ongoing.
Gosford Council (now Central Coast Council) will be contacted to undertake remedial cleaning of the table	Ongoing.

drains in Grants Road and Reservoir Road or with appropriate Council approval Hanson will undertake the work.	
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## 4.2. Dust Generation

The 2015 inspection of the haul route did not indicate large amounts of dust on the road surface with the exception of the entry to the Quarry off Reservoir Road and at locations along Reservoir Road. To prevent the noted issues, the entry to the Quarry off Reservoir Road with has been continually visually monitored to ensure that there is no hazard to motorists or nearby residents.

During various times through the day the water cart (holding a certificate of approved operations on Reservoir Road) will circle out onto the road from the exit gate to minimise and reduce dust tracking out onto the road. Once a month the water cart travels further along Reservoir Road to remove build up of dust that has tracked from the Quarry exit.

## 4.3. Road Maintenance

When inspected in 2015, the road pavement in both Grants Road and Reservoir Road with the exception of the road edges and the table drains was generally in good condition. It is noted that the Proponent will pay developer contributions to Central Coast Council for road maintenance of Grants Road and Reservoir Road to ensure the route is suitably maintained. The road maintenance agreement between the Proponent and Central Coast Council is subject of a separate document.

## 5. Code of Conduct Induction

To all truck drivers entering Central Coast Sands Quarry:

- All heavy vehicle drivers operating out of the Central Coast Sands Quarry are to observe the posted speed limits, with speed adjusted to suit the road environment and prevailing weather conditions, to comply with the NSW Road Rules & Heavy Vehicle National Law. The vehicle speed must be suitable to the conditions and requirements of the law to ensure the safe movements of the vehicle based on the vehicle configuration.
- Hanson truck drivers are to travel at a speed of 60 km/hr along Grants Road and Resivour Road. The speed limit within the site is 15 km/hr with 25 km/hr on internal haul roads.
- On entering the Quarry, trucks must communicate via UHF 25 to the Weighbridge Operator what products they want. Conversations must be kept to a minimum. Call up at dedicated control points to let other traffic know your movements. Watch out for Yellow Machines working.
- Truck Drivers loading at the stockpiles should remain in their cabins. No children are permitted on site without prior permission from the Operations Manager per Hanson Directive.
- Whilst waiting to be loaded, if drivers exit their cabin they must be cautious of other vehicles moving between and behind stockpiles. Drivers must be wearing adequate PPE such as high visibility clothing, long sleeve shirt and long pants, safety boots and a safety helmet, as per Hanson Directive.
- If undertaking a U-turn or reversing into the appropriate stockpile area, trucks must use all appropriate means of communicating their movements.
- Due to space limitations around loading areas, trucks are expected to slow down to a speed which will ensure they are able to stop quickly if required. Visibility may be reduced around stockpiles, take extra care in these areas.
- To alleviate public concern and increase road safety, heavy vehicles leaving the Central Coast Sands Quarry should be separated by a 2 minute interval whenever practicable.
- All trucks arriving at or departing from the Central Coast Sands Quarry, whether loaded with material or not, are required to have an effective cover over their load for the duration of the trip. The load cover may be removed upon arrival at the delivery site. Tarp in the designated area, NOT on weighbridge. No driver is to climb into or onto the back of truck bodies or trailers.
- All care is to be taken to ensure that all loose debris from the vehicle body and wheels are removed prior to leaving the site. Drivers must ensure that following tipping that the tailgate is locked before leaving the site. Never drive with the body in a raised position.
- All drivers are to show respect for our neighbours in the local area. Take care around high pedestrian and traffic areas. Please give pedestrians a wide berth, be aware of their safety and other road users.
- All heavy vehicle drivers operating out of the Central Coast Sands Quarry are to minimise the use of compression brakes, so as not to create excessive noise that could disturb local

residents, where possible. Compression braking within or adjacent to residential areas must only be used if required for safety reasons.

- Heavy vehicle drivers are to carefully plan their routes and so that State and regional roads are given priority for route selection.
- Be conscious of Hanson's seven lifesaving rules:
  1. You must be inducted and competent to operate on our sites.
  2. When working at heights, protect yourself and others below you.
  3. Always use positive isolation, lockout and tag before working on plant and equipment.
  4. Guarding must be in place at all times and replaced immediately following any work on plant and equipment.
  5. Wear your seat belt.
  6. Never text or use a hand held phone whilst driving.
  7. Report all injuries, incidents and hazards to your supervisor/ manager.
- All heavy vehicle drivers operating out of the Central Coast Sands Quarry are to be aware of their adopted Fatigue Management Scheme and operate within its requirements. By law, all drivers have a duty to not drive a fatigue-regulated heavy vehicle on a road while impaired by fatigue.
- All drivers should be familiar with their Chain of Responsibility.
- Failure to comply with the above will result in immediate removal from site.

## 6. Declaration

I, the undersigned, hereby agree to abide by Hanson Construction Materials Pty Ltd Truck Driver Code of Conduct under Sections 2 and 5 of this Transport Management Plan for the transportation of quarry products from Central Coast Sands Quarry, Somersby to their final destination/s in a safe manner. I have read and understand the requirements outlined in the attached document and will, to the best of my ability, comply and assist with their implementation, requirements and ongoing administration.

*The subject document to which this declaration relates is attached as part of the overall document and signing of this declaration confirms that the signee has read and understood the entire document:*

### TRUCK DRIVER

Full Name: \_\_\_\_\_

Organisation: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### HANSON CONSTRUCTION MATERIALS PTY LTD

Company Witness: \_\_\_\_\_

Date: \_\_\_\_\_