

July 2018

Temporary concrete paving batch plant at Lumleys Hill, Wardell for the Woolgoolga to Ballina Pacific Highway upgrade

The Australian and NSW governments are jointly funding the Woolgoolga to Ballina Pacific Highway upgrade. Roads and Maritime Services Pacific Highway Project Office, Pacific Complete and its contractor partners are working together to deliver the upgrade.

In early 2016, the NSW Department of Planning and Environment approved the management plan for a temporary concrete batch plant facility to operate at the Lumleys Hill, Wardell site compound. The batch plant will be used to produce concrete for about 13 kilometres of new road pavement between the Richmond River, Broadwater and Coolgardie Road, Coolgardie as part of the Woolgoolga to Ballina upgrade.

In the week starting Monday 2 July 2018, the team will start work to build the temporary facility. The work will take about eight weeks to complete, weather permitting and involve:

- Installing environment controls including water treatment facilities and air quality gauges
- Building temporary foundations and hard stand areas using excavators, heavy vehicles and vibratory machinery
- Installing batch plant modules including using a 150 tonne crane to lift the modules into place
- Establishing wash down areas, truck parking bays and stockpile areas for storing materials such as sand and gravel.

Once the batch plant is built, it will remain in use for about 12 months. Production of concrete will be a continuous and steady process to ensure the quality of the finished pavement. Once the work is complete the batch plant will be removed and the team will remediate the site, including planting koala food trees to revegetate the area. We have provided a map showing the location of the facility and vehicle access areas.

All work will be carried out in line with the project's Conditions of Approval and Construction Environment Management Plan.

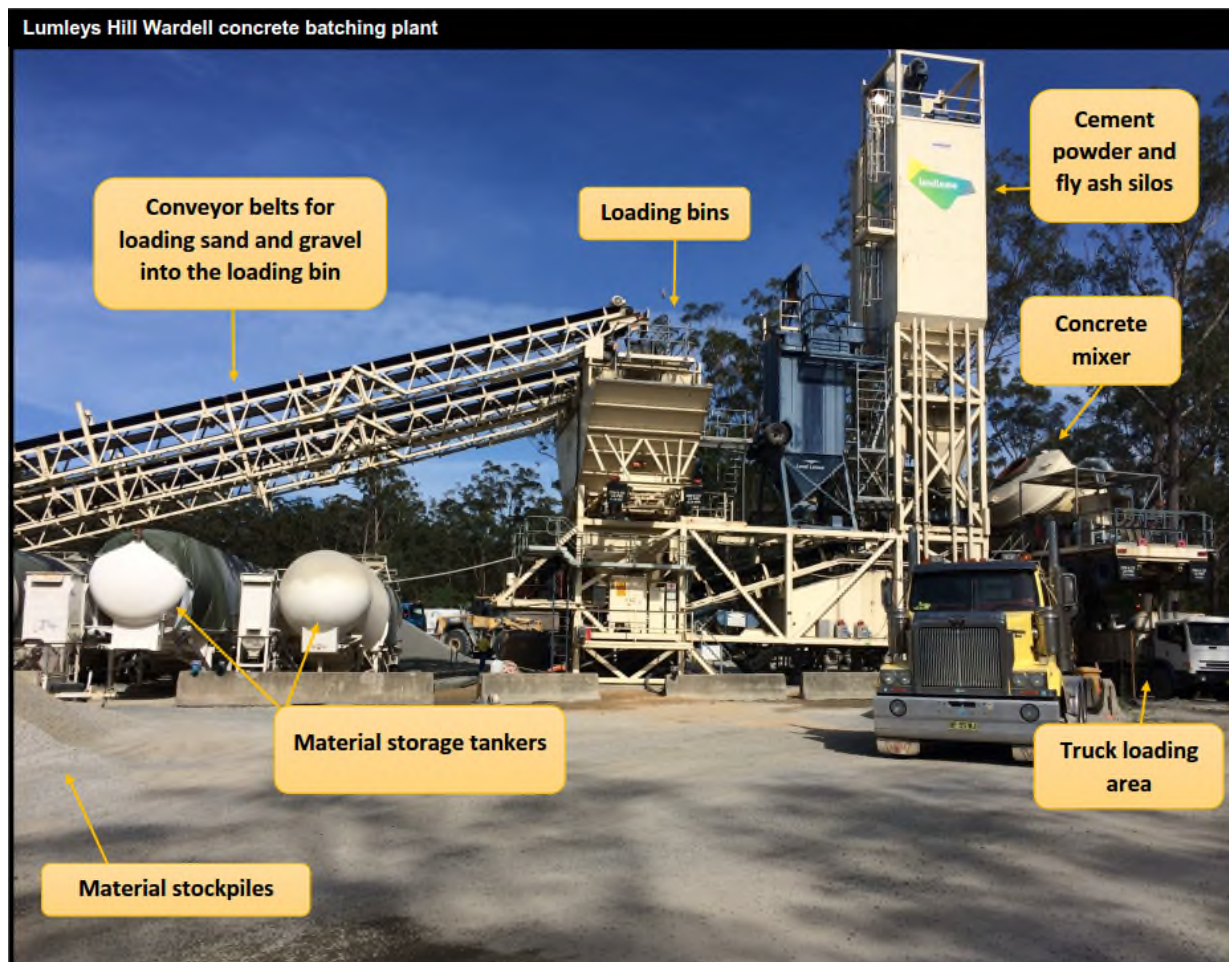
Woolgoolga to Ballina upgrade – Lumleys Hill batch plant



How will work affect you?

During batch plant operations, nearby residents can expect:

- Light and heavy construction vehicles accessing the batch plant via the Pacific Highway, Carlisle Street and Wardell Road including trucks delivering materials such as gravel, sand, cement powder and fly ash (a by-product of electricity manufacturing used to make road pavement)
- Some noise due to heavy vehicles accessing the facility to unload materials (banging of tailgates)
- Some noise due to operating equipment and machinery including conveyor belt alarms and generators
- Some dust from stockpile materials such as gravel and sand
- Flashing lights and reversing alarms from machinery and vehicles for the safety of workers
- Trucks being loaded with concrete and transporting to work areas
- Light from the site compound, batch plant sensors and security lighting
- Out of hours work including starting up the batch plant (running generators and conveyor belts, loading storage bins and operating machinery), refuelling generators and the use of water carts
- Out of hours deliveries including heavy vehicles, when required to allow concrete production to be maintained.



Construction vehicle movements

As earthwork activity at the Lumleys Hill borrow site nears completion in late June 2018, residents can expect a reduction in the number of construction vehicles and earthmoving machinery operating in this area.

Establishing the batch plant within the project alignment reduces the number of heavy vehicle movements on the Pacific Highway and local road network.

At peak production, about 1300m³ of concrete will be used on site each day, which will be transported from the batch plant along the project alignment. During work to transport the concrete, the majority of heavy vehicles will access the site compound in the morning, operate within the project alignment and exit the site at the end of the day.

Daily traffic movements during operations will involve:

- Heavy vehicles making deliveries of materials via the Pacific Highway, Carlisle Street and Wardell Road using the heavy vehicle access on Wardell Road
- Heavy vehicles transporting concrete using the project alignment and at times the local road network including crossing Wardell Road and Old Bagotville Road
- Workforce personal vehicles and construction light vehicles accessing the site compound.

Managing environmental impacts

The project team must comply with the environmental guidelines outlined with the project's Conditions of Approval and Construction Environment Management Plan.

Noise

The facility is located more than 300 metres from the nearest residential property and in a position that provides the effective acoustic shielding from residences. This position was able to be used due to the completion of earthwork in the location. The location was also revised based on resident feedback, and utilises the base of the borrow pit to shield noise from nearest neighbours, and limited additional land disturbance. Other measures we use to minimise noise impacts include:

- Using features such as earth mounds and site structures to provide noise shielding
- Monitoring noise and air quality to manage any potential impacts and adjust the work activity as required
- Turning off machinery when it's not in use and positioning noise generating plant and equipment away from residential properties, where practicable
- Fitting equipment with devices to minimise noise, particularly reversing squawkers
- Encourage drivers to limit compression braking
- Servicing and maintaining plant and equipment so they are in good working order.

Air quality

The design of the batch plant includes dust suppression components such as dust bags on the silos to prevent cement and fly ash dust escaping during the batching operation. To minimise materials from becoming airborne materials are pumped into onsite storage tanks then piped from the storage tanks to the silos.

Water carts and keeping areas maintained will be used to minimise dust around the batch plant and stockpile areas.

Water quality

The project team will conduct ongoing water monitoring as required under the project's Environmental Protection Licence. Any water runoff from batching operations is directed to built for purpose pits and a basin. The water is then tested and treated, where required to minimise any impact to surrounding water sources.

Work hours

Typically work will be carried out during the project's approved construction hours, which are:



7am – 6pm Monday – Friday
8am – 5pm Saturdays

In areas where residents live more than 200 metres from the work area, extended work hours from 6am to 7am and from 6pm to 7pm weekdays are allowed.

Nearby residents will be notified at least five working days in advance of any activities scheduled outside of these hours.

For more information

If you have any questions, please contact the Woolgoolga to Ballina project toll free line on 1800 778 900 dial 1, W2B@pacificcomplete.com.au or visit the project website rms.nsw.gov.au/W2B.

Register for email and SMS alerts so we can keep you updated about batch plant and paving operations. To register phone 1800 778 900 (dial 1) or email W2B@pacificcomplete.com.au

We apologise for any inconvenience and thank you for your patience during this important work.



If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 778 900.
