



Wednesday 29 March 2017

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Dear Mr. Cremona,

I write to you concerning difficulties delivering the 55,000m<sup>3</sup> of Concrete to your project at Dee Why Town Centre. This volume equates to 11,000 truck movements. Over the 250 working days of the structural construction program, this means 30 loads per day.

We have 2 specific difficulties delivering the projects requirements:

1. The short delivery window requires a large number of trucks to operate during times of peak congestion.
2. Concrete supply demand in the local market and specialist engineered mixes prevent us obtaining support from other concrete producers during the delivery window.

An earlier start and increase in consented operating hours to 10pm would reduce the instantaneous production rate, reduce the number of our trucks on the road (by 20%) during peak periods and better enable us to provide the necessary support to your project resulting in less congestion to the Dee Why locality.

At present, your site is permitted to work between 7:00am and 5:00pm. However, as you appreciate any concrete delivered on a given day must be put in final position on that day. Given it takes, the first 1 hour to setup pumps and run lines and 4 hours to finish concrete, deliveries can practically only occur in a 7 hour window. This equates to an average 5.0 truck movements per hour, rising to 21.7 truck movements per hour at peak.

Unfortunately this peak exceeds our total production capacity in the area, before we are called upon to service other customers.

We have attempted to use competitors' capacity in the area to meet the projects requirements, however this has been difficult to do because of the unprecedented demand for concrete both locally and in the broader Sydney geography due to an unforeseen increase in construction activity. Significant rain events during the past 2 months have compounded this problem as a backlog of pent-up concrete demand is now prevalent with further inclement weather forecasted.



The local volume requirements are extremely high due to surrounding projects such as Warriewood Shopping centre, Warringah Mall, Northern beaches hospital and all the roadworks that surround it as noted within the northern beaches transport action plan.

Our raw materials come from Marulan (Cement) Marulan South (Coarse Sand) Kurnell (Fine Sand) Eraring (Fly Ash) and Peats Ridge (Coarse and Fine Aggregates). This requires acute consideration when considering supply side requirements over short periods of time and having consideration to traffic movements and site demands.

The project's mixes for both piling works (50 and 60MPa Tremmie mixes with high sulphate and chlorides resistance) and for high early age strength requirements (22MPa @ 4 days to enable post tensioning) are non-standard mixes, exacerbating our position to lay off the concrete volumes to alternative suppliers.

In summary, traffic considerations are paramount to be able to deliver the concrete and due to the position of the Dee Why site, we are constantly challenged in both morning peak and afternoon peak.

I am writing you this letter to ask you to seek council permission to extend the operating hours on this site from 6:30am to 10:00pm for the following benefits.

- Security of supply requirements over the time period.
- Reduce traffic movements in peak times (both inbound and outbound) from our plant in Brookvale to the site in Dee Why.
- Evenly spread concrete deliveries direct to site as opposed to marshalling, or turning trucks away at the gate which results in additional locality congestion.
- Improve distribution of concrete serviceability and capacity constraints evenly across all projects within the northern beaches locality.

Please consider.

A handwritten signature in black ink, appearing to read "D. Kavo", is written over a horizontal dotted line.

Daniel Kavo  
NSW Sales Manager - Boral Concrete