

## **NSBT Project Construction EMP August EMP Report**

This document reports on performance against the construction environmental management plan (“EMP”) for the NSBT project in August. This report also considers complaints received and how those complaints have been addressed. LBB manages the receipt and tracking of complaints/issues using a formal computer based tracking system. A 24-hour toll-free contact telephone number operates to respond to complaints, concerns or enquiries from the general public. A verbal response is provided within two hours unless the person requests otherwise. Some complaints are received via the community relations email address, in which case, if no telephone or mailing address details are provided, responses are provided electronically.

This report comprises three sections:

- 1.0 Noise Monitoring;
- 2.0 Vibration Monitoring;
- 3.0 Complaints.

## 1. NOISE MONITORING

The following main noise mitigation strategies were implemented in August:

- continued use of temporary noise barriers around rockbreaking equipment located on Lutwyche Road;
- installed final noise barrier west of Lutwyche Road between McDonalds and Newmarket Road;
- installed temporary noise barriers along Pacific Motorway between Park Road and Lockhart Street to facilitate traffic switch for city bound traffic;
- continued construction of TBM tunnel enclosure building at O'Connell Terrace.

LBB has established continuous monitoring stations near each of the four main work sites located external to buildings at the addresses in the table below.

<b>Worksite</b>	<b>Location of Monitoring</b>	<b>Average Levels in August 2007 (dBA)</b>
Gibbon Street	19 Gibbon Street	61
Shafston Avenue	40 Connor Street	54
O'Connell Terrace	Mews Apartments	59
Pacific Motorway	71 Abingdon Street	63

The target for daytime noise level measured externally to a building is the greater of the preconstruction (2006) traffic noise in the area or 60 dBA after applying a 5 dBA correction to the EMP goal of 55 dBA which is based on measuring internal to a building. Noise levels at The Mews and Shafston Avenue are within the project noise goals.

The 1dbA minor exceedence measured at the Gibbon Street site is generally regarded as not discernible and the acoustic controls at Gibbon Street continue to provide effective mitigation.

Work close to our site boundary in the Abingdon Street area increased in August in line with the accelerated program, intended to reduce the overall impact in this area. This has resulted in a 3dbA exceedence which is being managed by ongoing negotiation with affected property owners including the use of temporary noise barriers.

Consultation with affected property owners continues in advance of our tunnelling operations to agree mitigation measures suitable to each particular owner's circumstances in relation to regenerated noise arising from our roadheaders.

## 2. VIBRATION MONITORING

One controlled blast was carried out at the O'Connell Terrace site on 3 August. There was no exceedence of the EMP blasting goals.

### 3. COMPLAINTS

During the month of August a total of 35 complaints were raised. 21 complaints were received via the 1800 number and 14 complaints via email, letter or in person. The following table shows the number and nature of the complaints/issues at each worksite.

(more than one issue can be raised during a complaint)

Nature of Complaint	Pacific M'way	Gibbon Street	Shafston Avenue	O'Connell Terrace	Total
Dust	5			2	7
Noise	9		2	1	12
Traffic	6			1	7
Vibration					-
Property (access, security, damage)	5		1		6
Other	4		1		5
<b>Total</b>					<b>37</b>

Key mitigation measures implemented to respond to these issues include:

Noise:

- alternative machinery/activities used if practicable when working in close proximity to residents;
- individual arrangements negotiated with property owners on a case by case basis where significant exceedences are experienced for protracted periods.

Dust:

- reduction in exposed surfaces by temporary infrastructure and permanent works;
- exposed areas of fill to be hydro mulched as soon and where possible;
- progression of TBM tunnel enclosure building construction at O'Connell Terrace;
- increased use of bonding agent to stabilise exposed areas, extra water carts brought onto site to improve dust suppression and the sealing of haul routes where possible;
- enforcement of dust covers for all loose material deliveries and loaded vehicles exiting worksites;
- property treatments to frontline properties with high exposure to the worksite and where often physical mitigation measures are ineffective are considered on their merits on a case by case basis.

Traffic:

- LBB JV continues to dissuade workers from parking in residential streets including the use of traffic controllers for enforcement.