

## **NSBT Project Construction EMP December EMP Report**

This document reports on performance against the construction environmental management plan ("EMP") for the NSBT project in December 2006. 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.

LBB assigns a dedicated person to each of the following four main worksites to follow up on complaints:

- South-East Freeway including Ipswich Road.
- Gibbon Street, Woolloongabba;
- Shafston Avenue, Kangaroo Point;
- O'Connell Terrace, Bowen Hills;

This report comprises three sections:

- 1.0 Noise Monitoring
- 2.0 Vibration Monitoring
- 3.0 Complaints

## 1. NOISE MONITORING

The main noise mitigation strategies implemented in the period remained as reported in November.

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

<b>Worksite</b>	<b>Location of Monitoring</b>	<b>Average Levels in December</b>
Gibbon Street	19 Gibbon Street	59
Shafston Avenue	40 Connor Street	<b>68</b>
O'Connell Terrace	8 Tufton Street	60
South East Freeway	3 Abingdon Street	59

The target for daytime noise level measured externally to a building is 60 dBA.

Average daytime noise levels measured at the Shafston Avenue site were lower than the previous month, but still remained above the 60 dBA target. The work activity which caused the levels to be exceeded was rock drilling in the shaft preparatory to blasting. This work will be completed in late February. The acoustic enclosure to reduce this noise will be completed in February 2007. Despite being above the EMP target, there were no community complaints received regarding daytime noise levels at the Shafston Avenue site. A total of three noise complaints were received across the four worksites for the month of December. All related to out of hours work.

## 2. VIBRATION MONITORING

A total of 19 controlled blasts were carried out at Shafston Avenue and O'Connell Terrace sites in December. No complaints were recorded at Shafston Avenue, however, on one occasion vibration levels exceeded the target level. The blast design was revised with subsequent blasts compliant with the vibration goal.

On four occasions, the measured results exceeded the EMP target at the O'Connell Terrace RNA wall and Tufton Street monitoring points. However, no damage has been occasioned and no complaints have been received. The vibration consultant will perform detailed analysis prior to future blasts to maintain vibration within the target levels.

### 3. COMPLAINTS

During the month of December 2006 a total of 16 complaints/issues were raised. The following table shows the number and nature of the complaints/issues at each worksite.

Nature of Complaint	SE Freeway	Gibbon	Shafston	O'Connell Terrace	Total
Dust	3	0	1	0	4
Noise	0	0	2	1	3
Traffic	1	0	2	0	3
Vibration	1	0	1	0	2
Property (access, security, damage)	2	0	1	0	3
Other	1	0	0	0	1
<b>Total</b>	<b>8</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>16</b>

Key mitigation measures implemented to address these issues included:

- reinforced the need for all staff and subcontractors to conform to dust suppression requirements at all times.
- checks made to ensure all plant maintenance schedules are kept up to date to minimise smoke emissions, especially at plant start up.
- additional vibration monitoring was carried out.
- traffic controllers have been reminded to actively assist motorists where changed traffic conditions are in place.
- trials initiated for the introduction of alternative safety reversing beepers.
- reinforced the requirement for site staff to advise residents in advance of upcoming "out of hours" work.
- project traffic team reviewing vehicle speed in close proximity to work areas.
- referred a query regarding closure of a right turn junction to Brisbane City Council.