

**PROJECT OASIS
REAR OF 202-204 FINCHLEY ROAD
LONDON, NW3
ADDENDUM TO ENVIRONMENTAL NOISE ASSESSMENT**

Report to

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**A7330/R01B-AH ADDENDUM
17/12/2007**

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1.0 INTRODUCTION

Bickerdike Allen Partners (BAP) have been retained by Tindall Overseas Ltd to carry out an environmental noise assessment and prepare a report to accompany the planning application for a two storey new-build office block to the rear of the Prime House development at 202 to 204 Finchley Road, London NW3.

This report includes the results of survey work undertaken at the site to measure local background noise conditions, current environmental noise criteria specific to the site, general advice on noise levels from plant associated with the building and on the sound insulation requirements of the building envelope construction.

This addendum has been issued for the purpose of planning and is to be read in conjunction with the BAP document "Environmental Noise Assessment", A7330 R01B-AH, 11/12/2007.

It provides details of the noise limits required for any plant that will operate during the day, evening and night periods.

2.0 PLANT NOISE ASSESSMENT

2.1 Plant Noise Emission Limits

Camden Council's noise conditions are given in their Replacement UDP (Unitary Development Plan), Adopted June 2006. Development Standard SD8 "Noise and Vibration Standards" concerning disturbance from plant and machinery, references the following table:

| Noise Description and Location of Measurement | Period | Time | Noise Level |
|---|------------------------|-------------|-----------------------------|
| Noise at 1 metre external to a sensitive façade | Day, evening and night | 0000-2400 | 5 dB(A) < L _{A90} |
| Noise that has a distinguishable discrete continuous note (whine, hiss, screech, hum) at 1 metre external to a sensitive facade | Day, evening and night | 0000-2400 | 10 dB(A) < L _{A90} |
| Noise that has distinct impulses (bangs, clicks, clatters, thumps) at 1 metre external to a sensitive facade | Day, evening and night | 0000-2400 | 10 dB(A) < L _{A90} |
| Noise at 1 metre external to sensitive façade where L _{A90} > 60 dB | Day, evening and night | 0000-2400 | 55 dB L _{Aeq} |

Table E Noise Levels from Plant and Machinery at which Planning Permission will not be Granted

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2.2 Environmental Noise Survey

A summary of the results of the unattended noise survey carried out from 1300 hours on 9th March 2006 to 1300 hours on 10th March 2006 are given in Table 2.1.

| Date | Start Time (hh:mm) | L _{Aeq} , 1h, dB | L _{A90} , 1h, dB |
|----------|--------------------|---------------------------|---------------------------|
| 09/03/06 | 13:00 | 57 | 52 |
| | 14:00 | 57 | 52 |
| | 15:00 | 56 | 52 |
| | 16:00 | 60 | 52 |
| | 17:00 | 56 | 49 |
| | 18:00 | 54 | 48 |
| | 19:00 | 53 | 50 |
| | 20:00 | 54 | 51 |
| | 21:00 | 55 | 54 |
| | 22:00 | 55 | 53 |
| | 23:00 | 51 | 47 |
| 10/03/06 | 00:00 | 50 | 46 |
| | 01:00 | 47 | 43 |
| | 02:00 | 46 | 42 |
| | 03:00 | 47 | 42 |
| | 04:00 | 51 | 42 |
| | 05:00 | 52 | 45 |
| | 06:00 | 52 | 48 |
| | 07:00 | 54 | 50 |
| | 08:00 | 60 | 53 |
| | 09:00 | 58 | 54 |
| | 10:00 | 62 | 54 |
| | 11:00 | 63 | 55 |
| | 12:00 | 60 | 54 |
| | 13:00 | 56 | 53 |

Table 2.1 Noise Survey Summary Results (Free-field)

2.3 Plant Noise Requirements

At this stage of the project-specific plant details for the roof of the building and the lower ground floor are unavailable. It is BAP's understanding that these details will be developed as

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part of the on-going design of the building and that, if the plant levels predicted at the nearest noise sensitive windows are higher than the limits set by Camden, a reduction in the noise levels from the plant will be achieved by noise mitigation measures included as part of the design. These measures may involve specification of quieter plant, attenuators, barriers or louvred enclosures.

The lowest background noise level during the day and evening (between 0700 and 2300) is 48 dB(A) L_{A90} .

The lowest background noise level during the night (between 2300 and 0700) is 42 dB(A) L_{A90} .

Depending on the hours of operation and whether the plant is tonal or has any distinct impulses, noise levels from the plant will need to be controlled to either 5 or 10 dB below these background levels at the nearest noise sensitive façade.



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