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Ref. 6206.9A

## Comet Hotel, Hatfield –Planning Condition 20

### 1 Introduction

This letter proposes the measurement methodology for the discharge of Condition 20, relating to the planning application reference 6/2016/1739/MAJ

The condition states:

*Prior to first occupation of the development a manned measured noise survey shall be undertaken of all the plant and equipment on the site, following implementation, under usual operating conditions. The noise measurements must be taken at the nearest sensitive receptors to demonstrate that the combined operation of all plant and equipment is 10dBA ( $L_{Aeq}$ ) below the background noise level ( $L_{A90}$ ). Measurement parameters must include the  $L_{A90}$ ,  $L_{Aeq}$ ,  $L_{A MAX}$  and frequency analysis. Approved noise mitigation measures such as acoustic screening or silencers must be implemented to ensure that Condition 18 of this planning permission is met. Monitoring locations must be agreed by the Local Planning Authority at 1m from the facade at 1.2m above ground level and at first floor level of the nearest noise sensitive properties and at the boundaries of those properties at the same heights and at times and hours of use of the development.*

### 2 Proposed measurement methodology

The measurement locations proposed are shown in Figure 1. Access to the facades of the nearby properties would not be practical and it is proposed to undertake measurements on the site boundary and make appropriate adjustments to the measurements to predict the level at the receptors.

The measurements would be for 15 minutes at each location and will record the  $L_{A90}$ ,  $L_{Aeq}$ ,  $L_{Amax}$  and frequency data at each location. The measurements would be undertaken during the evening, when the daytime background levels are lowest.

The measurements would be made when all plant is operating under normal conditions. For plant which is intermittent, arrangement must be made for the plant to be automatically controlled during the survey period.



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In addition to the boundary measurements, the noise levels closer to the plant areas will be measured to enable the contribution from the plant to be predicted. The proposed location for these measurements are also shown in Figure 1.

Following the measurements, the levels will be reported and assessed against the criteria requirements of Planning Condition 19.



**Figure 1:** Noise monitoring locations

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