



Gatwick Airport Northern Runway Project

Environmental Statement

Appendix 5.3.2: Code of Construction Practice Annex 10 – Holiday Inn Construction Noise Monitoring Framework

Book 1

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1 Introduction

- 1.1.1 This Construction Noise Monitoring Framework sets out the procedures to be followed by the contractor carrying out works in the vicinity of the Holiday Inn hotel, so as to ensure acceptable noise levels are achieved within the hotel.
- 1.1.2 Noise modelling carried out for the ES and during the DCO Examination has predicted likely levels of construction noise from the works, and identified the potential for disturbance to hotel guests including cabin crew sleeping in bedrooms during the daytime. In order to protect guests using the hotel bedrooms on the north side of the hotel from excessive noise the contractor is required to take all reasonable measures to reduce noise in accordance with the Northern Runway Project Code of Construction Practice (CoCP) (**ES Appendix 5.3.2: Code of Construction Practice** (Doc Ref. 5.3 v5) as amended). These measures are to be further clarified through the Section 61 application to the local authority, as required by the CoCP.
- 1.1.3 Noise monitoring will be carried out throughout the works outside bedrooms on the north facade of the hotel. Trigger Levels have been derived at these locations based on achieving acceptable internal noise levels accounting for the acoustic performance of the building façade which has been measured. If the trigger level is breached the contractor must take actions to reduce noise.
- 1.1.4 Any works predicted to exceed the trigger level, with full mitigation on site, will require due notice to be given to the hotel as discussed here in.

2 Monitoring

- 2.1.1 A permanent noise monitor will be installed at fourth floor level adjacent to the bedrooms on the north side of the hotel so that the microphone is 1m from the façade of the building.
- 2.1.2 The logger will sample $L_{Aeq, 1 \text{ hour}}$ permanently, with levels fed directly to GAL and its contractor.
- 2.1.3 The Trigger Level will be $L_{Aeq, 1 \text{ hour}}$ 71dB (façade), or higher where agreed between GAL and Holiday Inn having regard to any measures to the Holiday Inn hotel to reduce internal noise.
- 2.1.4 If the Trigger Level is exceeded, an alert is to be sent to Gatwick Airport Ltd and its Contractor.

3 Action Plan

- 3.1.1 If the Trigger Level is exceeded the Contractor will investigate the exceedance in the first instance to check that the exceedance is likely to be as a result of the Gatwick Airport construction activity.
- 3.1.2 If the exceedance was caused by Gatwick Airport construction activity the relevant Contractor(s) will be notified.
- 3.1.3 Then the Contractor will be required to investigate the cause of the exceedance and check that all Best Practicable Means (BPM) measures identified in the Section 61 consent are being followed. The contractor shall also reduce noise levels as far as reasonably practicable so as to be within the external noise Trigger Level.
- 3.1.4 If the Contractor predicts an exceedance of the Trigger Level, even after considering all Best Practicable Means (BPM) measures, he must arrange the works to minimise the duration of this exceedance, and fix the programme for the 'Exceedance Period' and agree this with GAL. Once agreed the Contractor must notify Holiday Inn of any planned Exceedance Period, at least 3 weeks in advance. An Exceedance Period may only be programmed for works in normal daytime hours, as defined in the CoCP. An Exceedance Period will not exceed one week in duration unless in exceptional circumstances.
- 3.1.5 Monthly meetings with Holiday Inn will be held to discuss and review noise control measures.
- 3.1.6 In addition to the above steps, Holiday Inn may call an urgent meeting if they are being exposed to prolonged exceedance of agreed levels from Gatwick construction activities.