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London Luton Airport Expansion

Planning Inspectorate Scheme Ref: TR020001

Volume 8 Additional Submissions (Examination)

**8.150 Applicant's Response to Written Questions - Air
Quality and Odour**

Infrastructure Planning (Examination Procedure) Rules 2010

Application Document Ref: TR020001/APP/8.150

The Planning Act 2008

The Infrastructure Planning (Examination Procedure) Rules 2010

**London Luton Airport Expansion Development Consent
Order 202x**

**8.150 APPLICANT'S RESPONSE TO WRITTEN QUESTIONS - AIR
QUALITY AND ODOUR**

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Author:	Luton Rising

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1 RESPONSE TO EXAMINING AUTHORITY WRITTEN QUESTIONS (AIR QUALITY AND ODOUR)

Table 1.1: Responses to the Examining Authority's Written Questions (Air Quality and Odour)

PINS ID	Question / Response
AQ.2.1	<p>Question:</p> <p>Hitchin Air Quality Management Area The Applicant provided an impact assessment summary note for the Hitchin Air Quality Management Area at D6 [REP6-074]. Paragraph 1.3.1 notes that the assessment is based on the core planning case. As the Applicant's Green Controlled Growth framework [REP5-022] assumes faster growth limits, can the Applicant confirm how the assessed levels would change in the faster growth scenario and whether the assessment conclusions would remain the same?</p> <p>Response:</p> <p>The assessed levels in the faster growth scenarios are slightly higher for all pollutants compared to the core scenarios but the assessment conclusions remain the same.</p> <p>Faster Growth results The maximum NO₂ concentration within the Hitchin Air Quality Management Areas (AQMA) is expected to be 20.7µg/m³, during assessment Phase 1 at receptor H77, in the North Hertfordshire District Council (NHDC) AQMA Stevenage Road in the Do-Minimum (DM) scenario, dropping to a concentration of 20.5µg/m³ in the Do-Something (DS) scenario. This is well below the annual mean objective of 40µg/m³. All receptors in both Hitchin AQMAs for all faster growth scenarios are expected to have negligible impacts and concentrations do not exceed the air quality standard for annual mean NO₂ concentrations.</p> <p>The maximum PM₁₀ concentration within the Hitchin AQMAs is expected to be 15.2µg/m³, during assessment Phase 2b at receptor H188, in the NHDC AQMA Payne's Park in the DM scenario, dropping to a concentration of 15.0µg/m³ in the DS scenario. This is well below the annual mean objective of 40µg/m³. All receptors in both Hitchin AQMAs for all faster growth scenarios are expected to have negligible impacts and are below the air quality standard for annual mean PM₁₀ concentrations.</p> <p>The maximum PM_{2.5} concentration within the Hitchin AQMAs is expected to be 10.2µg/m³, during assessment Phase 1 and 2b at receptor H188, in the NHDC AQMA Payne's Park in the DM scenarios and in the Phase 1 DS scenario. The concentration drops to 10.1µg/m³ in the Phase 2b DS scenario. All receptors in both Hitchin AQMA for all faster growth scenarios are expected to have negligible impacts, except for receptor H188 in the Phase 2b scenario where impacts are predicted to be slight beneficial.</p>
AQ.2.2	<p>Question:</p> <p>Errata In responding to ExQ1 NO.1.6 [PD-010] the Applicant updated the relevant Heavy Goods Vehicle data in the errata document [REP5-036] but did not confirm whether the air quality data required updating. Confirm whether Table 3.22 [AS-028, Appendix 7.1] requires updating and if so, please update and amend the conclusions accordingly.</p> <p>Response:</p> <p>The construction traffic numbers, which includes Heavy Goods Vehicle data as reported in Table 3.22 of Appendix 7.1 of the Environmental Statement (ES) [AS-028] does not need to be updated. The construction traffic numbers reported in Table 3.22 [AS-028] refer to Annual Average Daily Traffic (AADT) for the peak construction year for each assessment scenario. This is a different metric to those construction traffic numbers presented in Chapter 16 Noise and Vibration of the ES [REP1-003] which used Annual Average Weekly Traffic (AAWT) and Chapter 18 Traffic and Transportation of the ES [AS-030] and therefore are not comparable.</p>

PINS ID	Question / Response
AQ.2.3	<p>Question:</p> <p>Technical note for landfill gas monitoring A technical note for landfill gas monitoring is referred to in the SoCG between the parties [REP6-027].</p> <ol style="list-style-type: none">1. Applicant: Provide a copy of this technical note. If this is not available by the next deadline, indicate the anticipated timescale for delivery.2. LBC: If the note has been received, provide an update on your review of this document and confirm whether the questions in the SoCG [REP6-027] in relation to landfill gas and monitoring are now satisfied. If not, please explain why and what would need to be done to address your concerns. <p>Response:</p> <p>The Applicant notes that this question is directed not only to the Applicant but also to Luton Borough Council (LBC). In response to part 1 of this question, the Applicant confirms that a Gas Mitigation Measures Technical Note was issued to LBC on Thursday 21 December 2023. This contains information on the gas mitigation measures proposed in the Outline Remediation Strategy [APP-125] as well as results from the latest gas monitoring undertaken across the landfill. A copy of this has also been submitted at Deadline 7 [TR020001/APP/8.164].</p>