

Summary of:

Written Representation to the Examining Authority (ExA) regarding the Environmental Statement submitted by Tritax Symmetry (Hinckley) Ltd in respect of their proposed Hinckley National Rail Freight Interchange and with particular reference to Chapter 10: Noise and vibration

Deadline for receipt of Written Representations: Tuesday 10th October 2023

Unique Reference Number: 20040614

This Summary lists the Sections that make up the Written Representation, followed by selected extracts from the first and last of those Sections.

List of Sections

Introduction

Index to Chapter 10: Noise and Vibration

Overview of the Written Representation

- 1. Failure to Determine Baseline Conditions**
- 2. Failure to Heed Consultation Response Warnings**
- 3. Failure to Determine Construction Noise**
- 4. Completed Development Model**
- 5. Failure to Properly Compare the Completed Development Noise Levels**
- 6. Failure to Include all Noise Sources caused by the Proposed Development**
- 7. Failure to Determine Baseline Train Operations**
- 8. Failure to Determine Noise from off-site rail movements**
- 9. Failure to Define study area**
- 10. Failure to Consider Context**
- 11. Failure to Consider Uncertainty**
- 12. Discussion and Conclusions**

Selected Extracts from Sections

Introduction

This Written Representation is with particular reference to Chapter 10: Noise and vibration, reference: 6.1.10, revision 07 [APP-119] and its associated documents.

For reasons of clarity, and also as evidence, I have attached to this Written Representation an extract from my Consultation Response of the 7th April 2022 to Tritax Symmetry in respect of their PEIR Documents, together with their confirmation of receipt of same.

This Written Representation is a technically-based document that identifies and discusses several serious failures and shortcomings in Tritax's Noise and vibration report.

I apologise that this Written Representation may appear in some parts rather dense, and quite different from what the Examining Authority might often receive from a local resident. In writing it, I have tried to bear in mind that those reading it may already be well acquainted with Tritax's Noise and vibration report and have a strong technical background, but also that others may not have either advantage. So, where appropriate, I have given a little bit more in the way of explanation to try to make matters clear.

Dr David Moore

MA (Cantab) PhD

David Moore is a Chartered Engineer, and a Fellow of the Institution of Mechanical Engineers. He has some 25 years experience in Industrial Design Consultancy. Clients have included 3M, Procter & Gamble, GSK, London Underground, Johnson & Johnson, Ricardo, Monsanto, DePuy, AstraZeneca, BAE Systems, Unilever, Reckitt, Sanofi and Alstom. Now retired, his technical interests include Mechanical Design, Mathematical Modelling, Computational Fluid Dynamics and Digital Signal Processing.

12. Discussion and Conclusions

Tritax's Noise and vibration report appears impressive at first sight, in terms of its length, technical content and apparent thoroughness. However detailed study reveals it to be a curious, rather shoddy and unstructured document that has several important sections undeveloped or missing.

Moreover, those critical formative sections that are accessible to examination contain fundamental and significant methodological errors. These collectively undermine confidence in the whole, the more so because there are very many other areas in the report that are not accessible in the same way and are typically of a more complex nature.

And it turns out that all of those errors that have been identified would favour the Proposed Development.

Particular attention is drawn to two separate methodological errors that, ***by linking together to misdirect data***, have the effect of invalidating much of the remainder of the report.

In comparison with other similar reports available online that I have studied, this present report stands out as lacking openness, objectivity and professional rigour. Its contents appear to be selective and to follow its own agenda.

In its present form, I consider that Tritax's Noise and vibration report does not offer appropriate guidance to the Examining Authority in their assessment of Tritax's Proposed Development.

Dr David Moore