In Parliament – Session 2022 - 2023



High Speed Rail (Crewe – Manchester)

Background information and data accompanying SES2 and AP2 ES

Land quality BID LQ-002-OR003 SES2 and AP2 ES Land quality baseline data Off-route works: Annandale depot In Parliament – Session 2022 - 2023



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High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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1 Introduction

- 1.1.1 This document presents land quality baseline data highlighting areas of contamination originating from historical and current land use, and mineral and geoconservation resources used in the Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES)¹.
- 1.1.2 Baseline data has been collected for the SES2 scheme and AP2 revised scheme off-route works in relation to the Annandale depot area².
- 1.1.3 This document details land quality baseline data not reported in Background Information and Data (BID)³ document (the main BID report) that accompanied the High Speed Two (HS2) High Speed Rail (Crewe – Manchester) Environmental Statement (ES) published in 2022⁴ (the main ES).
- 1.1.4 This report is structured into two parts: Part 1 data used in the SES2, and Part 2 data used in the AP2 ES and should be read in conjunction with the SES2 and AP2 ES Land quality report (see SES2 and AP2 ES Volume 5, Appendix: LQ-001-OR003⁵).
- 1.1.5 Sites (for example ADEP-35) referred to in this report are contained in the SES2 and AP2 ES Volume 5, Land quality Map Book: Map Series LQ-01 Land Quality.
- 1.1.6 The Environmental Impact Assessment Scope and Methodology Report (see main ES Volume 5, Appendix: CT-001-00001⁶) should be referred to for details of the land quality assessment methodology.

¹ High Speed Two Ltd (2023), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement*. Available online at:

https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementaryenvironmental-statement-2-and-additional-provision-2-environmental-statement.

² The study area is defined as the land required for the construction of the AP2 revised scheme plus a 250m buffer. In the case of groundwater abstractions, this buffer is increased to 1km.

³ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Background Information and Data*. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement</u>.

⁴ High Speed Two Ltd (2022) High Speed Rail (Crewe – Manchester), *Environmental Statement*. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement</u>.

⁵ High Speed Two Ltd (2023), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement, Land quality report,* Volume 5, Appendix: LQ-001-OR003. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-2-and-additional-provision-2-environmental-statement.</u>

⁶ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, Environmental Impact Assessment Scope and Methodology Report*, Volume 5, Appendix: CT-001-00001. Available online at: https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement.

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- 1.1.7 In order to differentiate between the original scheme and the subsequent changes, the following terms are used:
 - 'the original scheme' the Bill scheme submitted to Parliament in 2022, which was assessed in the main ES;
 - 'the SES1 scheme' the original scheme with any changes described in SES1 that are within the existing powers of the Bill;
 - 'the AP1 revised scheme' the original scheme as amended by SES1 changes and AP1 amendments;
 - 'the SES2 scheme' the original scheme with any changes described in SES1 (submitted in July 2022) and the SES2; and
 - 'the AP2 revised scheme' the original scheme as amended by SES1 and SES2 changes (as relevant) and AP2 amendments.

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Part 1: Supplementary Environmental Statement 2

2 Receptor information

2.1.1 No additional receptors have been identified through a review of additional baseline data since the main BID report. Section 7 details identified receptors that are relevant to AP2 amendments.

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3 Minerals data

3.1.1 No additional minerals data from that reported in the main BID report are present in the study area.

> Land quality BID LQ-002-OR003 SES2 and AP2 ES Off-route works: Annandale depot Land quality baseline data

4 Geological Sites of Special Scientific Interest and Local Geodiversity Sites

4.1.1 No additional geological Sites of Special Scientific Interest (SSSI) or Local Geodiversity Sites (LGS) from those reported in the main BID report are present in the study area.

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5 Other sources of data and information

- 5.1.1 Additional data relating to indicators of possible land contamination sources was requested from the local authority. No additional data was received.
- 5.1.2 No further data was requested from the Scottish Environmental Protection Agency (SEPA).

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6 Site visit records

6.1.1 No site visits were carried out for the SES2 scheme.

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Part 2: Additional Provision 2 Environmental Statement

7 Receptor information

- 7.1.1 This section provides further receptor information for sites that have been evaluated in stages C and D of the land quality assessment and assessed for the study area (see SES2 and AP2 ES Volume 5, Appendix: LQ-001-OR003⁵).
- 7.1.2 Further information on each site receptor can be found in Table 1 and Table 2.
- 7.1.3 For clarity, 'on-site' in this report means 'within the land required for the construction of the AP2 revised scheme' and 'off-site' refers to land beyond this boundary, but within the study area. The sites for assessment in this area comprise an on-site wastewater treatment works and an off-site petrol filling station.

Site title (Site ID)	Sensitive land use (human receptor)	Aquifer designation	Surface watercourse	Geological and ecological designations	Property e.g. buildings and structures	Geoconservation sites
Wastewater treatment works (ADEP-36)	Site workers (existing site users) Residents, hotel residents, service station users, walkers and farm workers (adjacent site users*)	High productivity aquifer – St Bees Sandstone Member Moderate to high productivity aquifer – river terrace deposits	None	None	Buildings, foundations and services (existing and adjacent)	None

Table 1: Receptors – wastewater treatment works (on-site)

* adjacent site receptors located within the land required for the construction of the AP2 revised scheme (on-site) and are therefore removed from the construction stage assessment. This applies to human and property receptors only.

Site title (Site ID)	Sensitive land use (human receptor)	Aquifer designation	Surface watercourse	Geological and ecological designations	Property e.g. buildings and structures	Geoconservation sites
Petrol filling	Site workers and visitors	High productivity aquifer – St	None	None	Buildings, foundations and services	None

Table 2: Receptors - petrol filling station (off-site)

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Off-route works: Annandale depot

Land quality baseline data Site title Sensitive Aquifer Surface **Geological and** Geoconservation Property ecological (Site ID) land use designation watercourse sites e.g. (human designations buildings receptor) and structures station (existing site Bees (existing (ADEP-35) users) Sandstone and Member adjacent) Residents, service Moderate to high station users, walkers and productivity aquifer – river farm workers (adjacent site terrace users*) deposits

* adjacent site receptors located within the land required for the construction of the AP2 revised scheme (on-site) and are therefore removed from the construction stage assessment. This applies to human and property receptors only.

Land quality BID LQ-002-OR003 SES2 and AP2 ES Off-route works: Annandale depot Land quality baseline data

8 Minerals data

8.1.1 No additional minerals data from that reported in the main BID report are present in the study area.

> Land quality BID LQ-002-OR003 SES2 and AP2 ES Off-route works: Annandale depot Land quality baseline data

9 Geological Sites of Special Scientific Interest and Local Geodiversity Sites

9.1.1 No additional geological Sites of Special Scientific Interest (SSSI) or Local Geodiversity Sites (LGS) from those reported in the main BID report are present in the study area.

> Land quality BID LQ-002-OR003 SES2 and AP2 ES Off-route works: Annandale depot Land quality baseline data

10 Other sources of data and information

10.1 Other regulatory data

- 10.1.1 Since the main BID report, environmental regulatory data has been updated and reviewed. Regulatory data reviewed includes information on pollution prevention and control permits, and ecological receptors.
- 10.1.2 Details of updated baseline data are provided in Table 3.

Table 3: Summary of other regulatory data in the Annandale depot study area

Data	Description
Environmental permits	There was one additional pollution prevention control within the study area comprising air pollution controls (Part B Processes) located at the Welcome Break Ltd service station.

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11 Site visit records

11.1.1 No site visits were carried out for the AP2 revised scheme.

Land quality BID LQ-002-OR003 SES2 and AP2 ES Off-route works: Annandale depot Land quality baseline data

12 References

High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement*. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase2b-crewe-</u><u>manchester-environmental-statement</u>.

High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, Environmental Impact Assessment Scope and Methodology Report,* Volume 5, Appendix: CT-001-00001. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement</u>.

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High Speed Two Ltd (2023), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement, Land quality report,* Volume 5, Appendix: LQ-001-OR003. Available online at: <u>https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-</u> <u>supplementary-environmental-statement-2-and-additional-provision-2-environmental-</u> <u>statement</u>.

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