

High Speed Rail (Crewe – Manchester)

**Background information and data
accompanying SES2 and AP2 ES**

Major accidents and disasters
BID MA-002-00000 SES2 and AP2 ES
External sources of hazard

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Department for Transport

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 sets out Background Information and Data (BID) that accompanies the High Speed Two (HS2) High Speed Rail (Crewe – Manchester) Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES)¹.
- 1.1.2 This document details supplementary major accidents and disasters baseline data not reported in the BID report (the main BID report)² that accompanied the High Speed Two (HS2) High Speed Rail (Crewe – Manchester) Environmental Statement published in 2022 (the main ES)³ and changes to major accidents and disasters baseline data from that reported in the main BID report; as well as major accidents and disasters data relating to the Supplementary Environmental Statement 1 (SES1) and Additional Provision 1 Environmental Statement (AP1 ES) published in July 2022⁴.
- 1.1.3 This report supports the route-wide assessment of major accidents and disasters, covering the following community areas and off-route works:
- Hough to Walley's Green (MA01);
 - Wimboldsley to Lostock Gralam (MA02);
 - Pickmere to Agden and Hulseheath (MA03);
 - Hulseheath to Manchester Airport (MA06);
 - Davenport Green to Ardwick (MA07);
 - Manchester Piccadilly Station (MA08); and
 - Off-route works - Annandale depot.
- 1.1.4 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;

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-supplementary-environmental-statement-2-and-additional-provision-2-environmental-statement>.

² High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Background Information and Data, External sources of hazard*, BID MA-002-00000. Available online at:

<https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement>.

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

⁴ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement*. Available online at:

<https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-1-and-additional-provision-1-environmental-statement>.

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- ‘the SES1 scheme’ – the original scheme with any changes described in the 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 the 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.

1.1.5 This report should be read in conjunction with:

- the major accidents and disasters impact assessments set out in the Volume 3, Route-wide effects reports of the main ES³, the SES1 and AP1 ES⁴, and the SES2 and AP2 ES¹;
- Volume 5, Appendices: MA-001-00000 of the main ES⁵, the SES1 and AP1 ES⁶ and the SES2 and AP2 ES⁷ which sets out the detailed major accidents and disasters risk screening; and
- the main BID report², External sources of hazard which accompanied the main ES.

⁵ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Environmental Statement, Major accidents and disasters risk screening*, Volume 5, Appendix: MA-001-00000. Available online at:

<https://www.gov.uk/government/collections/hs2-phase2b-crewe-manchester-environmental-statement>.

⁶ High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement, Major accidents and disasters risk screening*, Volume 5, Appendix: MA-001-00000. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-1-and-additional-provision-1-environmental-statement>.

⁷ High Speed Two Ltd (2023), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement, Major accidents and disasters risk screening*, Volume 5, Appendix: MA-001-00000. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-2-and-additional-provision-2-environmental-statement>.

2 New or different environmental baseline information relevant to major accidents and disasters

2.1 Overview

2.1.1 Due to the potential interaction of the land required for the AP2 revised scheme with hazardous facilities, major accident hazard pipelines and explosives a data request was made by HS2 Ltd to the Health and Safety Executive (HSE) on 19 December 2022, to understand:

- the hazardous sites present within the following area of influence (AOI) for the AP2 revised scheme:
 - centre line of the route of the AP2 revised scheme + 500m buffer; and
 - land required for the construction of the AP2 revised scheme + 250m buffer;
- the major accidents hazard pipelines where there is an interaction between the AOI for the AP2 revised scheme and the consultation zone for these assets; and
- the explosives sites where there is an interaction between the AOI for the AP2 revised scheme and the safeguarding plan for these sites.

2.2 Major hazard sites

2.2.1 An additional major hazard site to those presented in the main ES which interacts with the AOI for the AP2 revised scheme is presented in Table 1.

Table 1: Major hazard sites identified by the Health and Safety Executive, where the consultation zone interacts with land required for the (AP2 revised) scheme

Community area	Site name	Local authority
MA02	Sandbach Site	Cheshire West and Chester

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2.2.2 Major hazard sites presented in the main ES which no longer interact with the AOI for the AP2 revised) scheme are presented in Table 2.

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Table 2: Major hazard sites identified by the Health and Safety Executive which no longer interact with land required for the (AP2 revised) scheme

Community area	Site name	Local authority
MA01	CHK Engineering Ltd	Cheshire East
MA02	National Grid Gas PLC	Cheshire West and Chester
MA02	INEOS Chlor Enterprises Ltd.	Cheshire West and Chester
MA02	KEUPER GAS STORAGE	Cheshire West and Chester

Source: © Crown copyright and database rights 2023, Health and Safety Executive.

2.3 Major accident hazard pipelines

2.3.1 Additional major accident hazard pipelines to those presented in the main ES which interact with the AOI for the AP2 revised scheme are presented in Table 3.

Table 3: Additional major accident hazard pipelines identified by the Health and Safety Executive, where the consultation zone interacts with land required for the (AP2 revised) scheme

Pipeline operator	Pipeline reference
Essar Oil (UK) Ltd	10021
Cadent Gas Ltd	12725
National Grid Gas PLC	4032673
Cadent Gas Ltd	4398691
Cadent Gas Ltd	6876
Cadent Gas Ltd	6997
Cadent Gas Ltd	7055
Cadent Gas Ltd	7057
Cadent Gas Ltd	7622

Source: © Crown copyright and database rights 2023, Health and Safety Executive.

2.3.2 Major accident hazard pipelines presented in the main ES which no longer interact with the AOI for the AP2 revised scheme are presented in Table 4.

Table 4: Major accident hazard pipelines identified by the Health and Safety Executive which no longer interact with land required for the (AP2 revised) scheme

Pipeline operator	Pipeline reference
E.ON UK	4094789
Cadent Gas Ltd	6741
Cadent Gas Ltd	6742
National Grid Gas PLC	6754
National Grid Gas PLC	6755
Cadent Gas Ltd	6755
Cadent Gas Ltd	6765
National Grid Gas PLC	8344

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Pipeline operator	Pipeline reference
Cadent Gas Ltd	7623
National Grid Gas PLC	7633
Cadent Gas Ltd	7191

Source: © Crown copyright and database rights 2023, Health and Safety Executive.

2.4 Explosives sites

2.4.1 Explosive site safeguarding plans which no longer interact with the AOI (for the AP2 revised scheme) are presented in Table 5.

Table 5: Explosives sites identified by the Health and Safety Executive which no longer interact with land required for the (AP2 revised) scheme

Community area	Site name	Local authority
MA05	Culcheth	Warrington

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3 References

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

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

High Speed Two Ltd (2022), High Speed Rail (Crewe – Manchester), *Supplementary Environmental Statement 1 and Additional Provision 1 Environmental Statement*. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-1-and-additional-provision-1-environmental-statement>.

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