

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Volume 5: Appendix AQ-001-0MA07

Air quality

Air quality report

MA07: Davenport Green to Ardwick

High Speed Rail (Crewe – Manchester)

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

Volume 5: Appendix AQ-001-0MA07

Air quality

Air quality report

MA07: Davenport Green to Ardwick



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.

High Speed Two (HS2) Limited
Two Snowhill
Snow Hill Queensway
Birmingham B4 6GA

Telephone: 08081 434 434

General email enquiries: HS2enquiries@hs2.org.uk

Website: www.hs2.org.uk

A report prepared for High Speed Two (HS2) Limited:

ARUP+ ERM | FOSTER + PARTNERS | JACOBS
RAMBOLL | TYPESA | COSTAIN

MWJV

Mott MacDonald | WSP

High Speed Two (HS2) Limited has actively considered the needs of blind and partially sighted people in accessing this document. The text will be made available in full on the HS2 website. The text may be freely downloaded and translated by individuals or organisations for conversion into other accessible formats. If you have other needs in this regard please contact High Speed Two (HS2) Limited.

© High Speed Two (HS2) Limited, 2023, except where otherwise stated.

Copyright in the typographical arrangement rests with High Speed Two (HS2) Limited.

This information is licensed under the Open Government Licence v3.0. To view this licence, visit www.nationalarchives.gov.uk/doc/open-government-licence/version/3 **OGL** or write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or e-mail: psi@nationalarchives.gsi.gov.uk. Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.



Printed in Great Britain on paper containing 100% recycled fibre.

Contents

1	Introduction	3
1.1	Structure of this appendix	3
1.2	Scope, methodology, data sources, assumptions and limitations	4
2	Baseline air quality data	5
2.1	Existing air quality	5
3	Construction dust assessment	6
3.1	Introduction	6
3.2	Change to Bill powers required for modifications to the Wilmslow Road Vent shaft headhouse (AP2-007-004)	6
4	Assessment of road traffic emissions	9
4.1	Overview	9
4.2	Model verification	9
4.3	Assessment of construction traffic emissions	10
4.4	Assessment of operational traffic emissions	74

Tables

Table 1:	Range of background pollutant concentrations	5
Table 2:	Sensitivity of area to dust soiling and human health effects	6
Table 3:	Dust emission magnitude for dust soiling and human health effects	7
Table 4:	Risk of dust soiling and human health effects	7
Table 5:	Summary of risks for construction dust assessment accounting for the AP2 amendment (areas affected by the AP2 revised scheme)	7
Table 6:	Summary of risks for construction dust assessment accounting for the AP2 amendment (Davenport Green to Ardwick (MA07) community area)	8
Table 7:	Comparison of monitored and modelled NO ₂ concentrations	9
Table 8:	Comparison of monitored and adjusted modelled NO ₂ concentrations	10
Table 9:	Modelled human receptors and background concentrations (construction phase)	11
Table 10:	Modelled ecological receptor backgrounds and critical loads (construction phase)	24
Table 11:	Modelled ecological receptor acid deposition backgrounds, critical loads and ammonia background concentrations (construction phase)	24
Table 12:	Predicted annual mean NO ₂ concentrations and impacts (construction phase)	26

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Table 13: Predicted annual mean PM ₁₀ concentrations and impacts (construction phase)	42
Table 14: Predicted annual mean PM _{2.5} concentrations and impacts (construction phase)	56
Table 15: Predicted annual mean of NO _x concentrations at ecological sites (construction phase)	71
Table 16: Predicted annual mean of ammonia (NH ₃) concentrations at ecological sites (construction phase)	71
Table 17: Assessment of N deposition with ammonia at ecological sites (construction phase)	72
Table 18: Modelled human receptors and background concentrations (operational phase)	75
Table 19: Predicted annual mean NO ₂ concentrations and impacts (operation phase)	80
Table 20: Predicted annual mean PM ₁₀ concentrations and impacts (operation phase)	85
Table 21: Predicted annual mean PM _{2.5} concentrations and impacts (operation phase)	91

1 Introduction

1.1 Structure of this appendix

- 1.1.1 This report is an appendix to the air quality assessment which forms part of Volume 5 of the Supplementary Environmental Statement 2 (SES2) and Additional Provision 2 Environmental Statement (AP2 ES) for the Davenport Green to Ardwick (MA07) community area.
- 1.1.2 This appendix provides details of changes to the air quality assessment since the High Speed Two (HS2) High Speed Rail (Crewe – Manchester) Environmental Statement (ES) published in 2022¹ (the main ES), and the Supplementary Environmental Statement 1 (SES1) and Additional Provision 1 Environmental Statement (AP1 ES) also published in 2022².
- 1.1.3 This report should be read in conjunction with the main ES Volume 5, Appendix: AQ-001-0MA07.
- 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;
 - ‘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.
- 1.1.5 Maps referred to in this appendix are contained in the SES2 and AP2 ES Volume 5, Air quality Map Book: Map Series AQ-01 – Air Quality Monitoring Locations and Receptors.

¹ 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>.

² 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>.

- 1.1.6 In addition, the traffic data used for the air quality assessment is set out in Background Information and Data (BID)³ which accompanies the SES2 and AP2 ES (see BID AQ-002-0MA07 SES2 and AP2 ES).
- 1.1.7 Where it has been possible to differentiate the air quality assessment between the SES2 changes and the AP2 amendments, this has been done and presented in this report. However, the assessment of road traffic emissions is a combined assessment of both SES2 changes and AP2 amendments in this area.

1.2 Scope, methodology, data sources, assumptions and limitations

- 1.2.1 The assessment scope, key assumptions and limitations are as set out in the main ES Environmental Impact Assessment Scope and Methodology Report (SMR)⁴ (see main ES Volume 5: Appendix CT-001-00001).
- 1.2.2 Since the preparation of the main ES, the Department for Environment, Food and Rural Affairs (Defra) has released new versions of tools for undertaking air quality assessments⁵, namely the emissions factors toolkit. This air quality assessment has therefore used the latest available tools.
- 1.2.3 The air quality standards for this assessment are:
- 40µg/m³ as an annual mean for nitrogen dioxide (NO₂) and fine particulate matter (PM₁₀);
 - 200µg/m³ one-hour mean NO₂ concentrations, not to be exceeded more than 18 times a year (equivalent to the 99.8th percentile of the one-hour mean);
 - 50µg/m³ 24-hour mean PM₁₀ concentrations, not to be exceeded more than 35 times a year (equivalent to the 90.4th percentile of the 24-hour mean); and
 - 20µg/m³ as an annual mean for very fine particulate matter (PM_{2.5}).

³ High Speed Two Ltd (2023), High Speed Rail (Crewe – Manchester), *Background Information and Data accompanying Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement, Additional data used in the air quality assessment*, BID AQ-002-0MA01 SES2 and AP2 ES. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2b-crewe-manchester-supplementary-environmental-statement-2-and-additional-provision-2-environmental-statement>.

⁴ 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-phase-2b-crewe-manchester-environmental-statement>.

⁵ Department for Environment, Food and Rural Affairs (2022). *Local air quality management*. Available online at: <https://laqm.defra.gov.uk/whatsnew.html>.

2 Baseline air quality data

2.1 Existing air quality

Background pollutant concentrations

- 2.1.1 Estimates of background air quality were obtained from the Defra maps⁶. Background pollutant concentrations are within the air quality standards throughout the study area. Table 1 presents the range of background pollutant concentrations within the Davenport Green to Ardwick (MA07) community area for the future baseline, 2018 background pollutant concentrations remain the same as the main ES.
- 2.1.2 Background pollutant concentrations for the operational year of 2039 have been taken from the Defra background maps for 2030, which is the latest available year of data. The 2030 background maps have been used as representative of the future baseline conditions during operation of the AP2 revised scheme.

Table 1: Range of background pollutant concentrations

Pollutant	Background concentrations ($\mu\text{g}/\text{m}^3$)	
	2026	2039
Annual mean NO _x	13.5 $\mu\text{g}/\text{m}^3$ to 35.0 $\mu\text{g}/\text{m}^3$	12.6 $\mu\text{g}/\text{m}^3$ to 33.2 $\mu\text{g}/\text{m}^3$
Annual mean NO ₂	10.2 $\mu\text{g}/\text{m}^3$ to 22.8 $\mu\text{g}/\text{m}^3$	9.6 $\mu\text{g}/\text{m}^3$ to 21.8 $\mu\text{g}/\text{m}^3$
Annual mean PM ₁₀	9.0 $\mu\text{g}/\text{m}^3$ to 13.7 $\mu\text{g}/\text{m}^3$	8.9 $\mu\text{g}/\text{m}^3$ to 13.7 $\mu\text{g}/\text{m}^3$
Annual mean PM _{2.5}	6.1 $\mu\text{g}/\text{m}^3$ to 9.0 $\mu\text{g}/\text{m}^3$	6.0 $\mu\text{g}/\text{m}^3$ to 9.0 $\mu\text{g}/\text{m}^3$

⁶ Department for Environment, Food and Rural Affairs (Defra) (2018), *Defra Background Pollutant Concentration Maps*. Available online at: <https://uk-air.defra.gov.uk/data/laqm-background-maps?year=2018>.

3 Construction dust assessment

3.1 Introduction

3.1.1 This section provides details of the assessment of dust emissions during construction of the AP2 revised scheme. The assessment is provided separately for each proposed amendment to the design, where it has been identified that the amendment has the potential to change the risk of dust soiling, human health effects or ecological effects compared to the main ES. A summary is then provided of the overall risk from construction dust in the Davenport Green to Ardwick (MA07) community area, and how it has changed from that reported in the main ES.

3.2 Change to Bill powers required for modifications to the Wilmslow Road Vent shaft headhouse (AP2-007-004)

Dust soiling and human health effects

Assessed receptors and sensitivity of the area

- 3.2.1 The assessment of dust soiling and human health effects has been undertaken for the area around Ardwick that is affected by these vent shaft modifications (AP2-007-005). Residential dwellings are located within 20m of demolition, earthworks, construction and trackout⁷ activities.
- 3.2.2 The sensitivity of the area to dust soiling and human health effects has been defined as shown in Table 2.

Table 2: Sensitivity of area to dust soiling and human health effects

Effect	Demolition	Earthworks	Construction	Trackout
Area around Ardwick				
Dust soiling	High	High	High	High
Human health	Medium	Medium	Medium	Medium

Dust emission magnitude

3.2.3 Each dust generating activity has been assigned a dust emission magnitude as shown in Table 3.

⁷ Trackout refers to the transport of dust and dirt from the construction site(s) onto the public road network, where it may be deposited and then re-suspended by vehicles using the network.

Table 3: Dust emission magnitude for dust soiling and human health effects

Area	Demolition	Earthworks	Construction	Trackout
Area around Ardwick	Medium	Medium	Medium	Large

Risk of impacts

3.2.4 Taking into consideration the dust emission magnitude of each activity and the sensitivity of the area, the risk of dust effects has been defined as shown in Table 4.

Table 4: Risk of dust soiling and human health effects

Effect	Demolition	Earthworks	Construction	Trackout
Area around Ardwick				
Dust soiling	Medium risk	Medium risk	Medium risk	High risk
Human health	Medium risk	Medium risk	Medium risk	Medium risk

Ecological effects

Assessed receptors and sensitivity of the area

3.2.5 No ecological sites are located within 50m of dust generating activities or within 50m of a route used by construction traffic that is within 500m of this SES2 design change.

Summary of risks

3.2.6 This section summarises the risks for construction dust for the Davenport Green to Ardwick (MA07) community area. The risks identified for these vent shaft modifications (AP2-007-005) are summarised in Table 5. Table 6 summarises the new overall risk for the whole of the Davenport Green to Ardwick (MA07) community area.

3.2.7 Table 6 shows that the risk summary for the whole Davenport Green to Ardwick (MA07) community area is the same between that reported in the main ES, and for the AP2 revised scheme with the exception of the risks for ecological effects for earthworks and construction. The ecological risk for earthworks and construction changes from 'low' in the main ES to 'not applicable' in the AP2 revised scheme, which is due to the design changes resulting in ecological sites being greater than 50m from earthworks and construction activities and therefore not affected by these activities. This assessment does not change the conclusion of the main ES.

Table 5: Summary of risks for construction dust assessment accounting for the AP2 amendment (areas affected by the AP2 revised scheme)

Activity	Dust Soiling	Human Health	Ecological Effects
Demolition	Medium	Medium	Not applicable
Earthworks	Medium	Medium	Not applicable

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Activity	Dust Soiling	Human Health	Ecological Effects
Construction	Medium	Medium	Not applicable
Trackout	High	Medium	Not applicable

Table 6: Summary of risks for construction dust assessment accounting for the AP2 amendment (Davenport Green to Ardwick (MA07) community area)

Activity	Dust Soiling	Human Health	Ecological Effects
Demolition	Medium to high	Low to high	Not applicable
Earthworks	Medium to high	Medium	Not applicable
Construction	Medium to high	Medium	Not applicable
Trackout	Medium to high	Low to medium	Low

4 Assessment of road traffic emissions

4.1 Overview

4.1.1 This section provides details of the assessment of road traffic emissions during construction of the AP2 revised scheme. The assessment considers the combined effects of SES2 changes and AP2 amendments in this area.

4.2 Model verification

4.2.1 Since the main ES additional traffic information has been collected, as well as further information relating to local junction modelling. As a result of this, revised traffic data for the baseline year of 2018 and future baseline years for construction and operation has become available. The model verification has therefore been updated to take account of this revised baseline traffic data.

4.2.2 Model verification was undertaken on a route-wide basis where monitoring sites are located adjacent to the modelled road network. The objectives of the model verification are to evaluate model performance and to determine if model adjustment is required.

4.2.3 Some monitoring locations were not considered suitable for model verification, due to missing traffic or monitoring data, or other spatial considerations. A total of 16 monitoring sites spread across the Hulseheath to Manchester Airport (MA06), Davenport Green to Ardwick (MA07), and Manchester Piccadilly Station (MA08) community areas, were included in the model verification exercise. The comparison of monitored and modelled NO₂ concentrations is shown in Table 7.

Table 7: Comparison of monitored and modelled NO₂ concentrations

Site	Monitored concentration (µg/m ³)	Modelled concentration (µg/m ³)	Percent difference ((modelled - monitored)/monitored)
MA06.2	28.7	20.7	-27.9%
MA06.4	31.3	32.9	5.1%
MA06.5	32.0	34.7	8.4%
MA06.6	37.7	30.2	-19.9%
SK12	38.0	37.2	-2.1%
STK7	37.4	37.2	-0.5%
(89a 89b)	30.6	28.7	-6.2%
(86a 86b)	32.0	26.2	-18.1%
M-36	33.1	26.8	-19.0%
MA07.1	45.7	36.0	-21.2%
MA07.3	30.2	23.0	-23.8%
MA08.4	41.3	31.5	-23.7%

Air quality
 MA07
 Air quality report

Site	Monitored concentration (µg/m ³)	Modelled concentration (µg/m ³)	Percent difference ((modelled - monitored)/monitored)
TM13	41.8	41.2	-1.4%
TM24	32.1	23.4	-27.1%
TM56	42.8	36.5	-14.7%
SK20	41.9	38.9	-7.2%

4.2.4 As some of the modelled NO₂ concentrations were greater than ±25% of the monitored concentrations and there was systematic under prediction, model adjustment was undertaken. An adjustment factor of 1.1 was applied. Modelled concentrations of PM₁₀ and PM_{2.5} have not been adjusted. The comparison of monitored and adjusted modelled NO₂ concentrations is shown in Table 8.

Table 8: Comparison of monitored and adjusted modelled NO₂ concentrations

Site	Monitored concentration (µg/m ³)	Modelled adjusted concentration (µg/m ³)	Percent difference (modelled - monitored)/monitored)
MA06.2	28.7	21.4	-25.4%
MA06.4	31.3	33.6	7.3%
MA06.5	32.0	35.3	10.3%
MA06.6	37.7	30.8	-18.3%
SK12	38.0	38.7	1.8%
STK7	37.4	38.8	3.7%
(89a 89b)	30.6	29.6	-3.3%
(86a 86b)	32.0	26.8	-16.3%
M-36	33.1	27.3	-17.5%
MA07.1	45.7	37.2	-18.6%
MA07.3	30.2	23.4	-22.5%
MA08.4	41.3	32.6	-21.1%
TM13	41.8	42.6	1.9%
TM24	32.1	24.0	-25.2%
TM56	42.8	37.5	-12.4%
SK20	41.9	39.9	-4.8%

4.3 Assessment of construction traffic emissions

4.3.1 The assessment of construction traffic emissions has used traffic data based on an estimate of the average daily flows in the peak year during the construction period (2026–2039). However, vehicle emissions and background concentrations have been taken for the first construction year in 2026. Five construction scenarios have been assessed for air quality to capture peak construction traffic activity at different times in the construction period. It has been assumed that the changes in construction traffic will occur for the whole year. In some cases, this is a conservative approach, as the duration of the peak traffic flows may well be

much shorter. These scenarios have been assessed against the relevant future baseline case without the AP2 revised scheme.

- 4.3.2 Traffic data in the study area have been screened to identify roads that require further assessment and to confirm the likely effect of the change in emissions from vehicles using these roads during construction of the AP2 revised scheme.
- 4.3.3 Traffic data for construction vehicles using the site haul routes and moving between compounds have also been included in the assessment. Additional roads have also been included in the assessment where relevant to account for their emissions at nearby receptors.

Receptors assessed and background concentrations

- 4.3.4 Details of the assessed receptors used in the assessment remain as reported within the main ES Volume 5, Appendix: AQ-001-0MA07. There were 81 human receptors modelled in the main ES that have not been modelled as part of the AP2 revised scheme and 125 receptors have been added due to changes in the study area. The human receptors and background concentrations are shown in Table 9. The location of all receptors are shown in the accompanying SES2 and AP2 ES, Volume 5, Air quality Map Book: Map Series AQ-01 – Air Quality Monitoring Locations and Receptors.
- 4.3.5 Two designated ecological receptors, Holinwood Branch Canal Site of Special Scientific Interest (SSSI) and Rochdale Canal SSSI and Special Area of Conservation (SAC), were identified within 200m of the screened in roads within the Davenport Green to Ardwick (MA07) community area during construction of the AP2 revised scheme. The Rochdale canal SSSI and SAC has been modelled along the centreline of the canal and only worst-case locations have been reported.
- 4.3.6 Table 10 shows the background concentrations for NO_x, background nitrogen deposition and critical loads. Table 11 shows the background acid deposition, critical loads and background ammonia concentrations. Acid deposition and ammonia were not previously assessed in the main ES. Holinwood Branch Canal SSSI is not sensitive to nitrogen or acid deposition and has therefore not been assessed for these elements. Rochdale Canal SSSI and SAC is not sensitive to acid deposition and has therefore not been assessed for this element.

Table 9: Modelled human receptors and background concentrations (construction phase)

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H001	Handforth, Wilmslow	385503, 384354	13.7	10.3	9.4	6.4
7-C-H002	Longsight Lane, Cheadle Hulme	386874, 384432	13.7	10.4	9.9	6.6

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement
SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H003	Little Acorns Day Nursery, Handforth	385477, 384461	13.7	10.3	9.4	6.4
7-C-H005	Stanley Road, Cheadle Hulme	386900, 384686	13.7	10.4	9.9	6.6
7-C-H006	St James Catholic High School Building, Cheadle Hulme, Cheadle	386836, 384848	13.7	10.4	9.9	6.6
7-C-H007	Regency Gardens, Cheadle Hulme	386204, 385537	15.9	11.9	10.1	6.8
7-C-H008	Thorley Lane, Manchester	381457, 386051	21.0	15.1	12.6	8.1
7-C-H009	Heald Green, Cheadle	385990, 386286	17.1	12.7	10.0	6.8
7-C-H010	Rowarth Road, Manchester	381222, 386799	21.0	15.1	12.6	8.1
7-C-H011	Hurst Walk, Manchester	381483, 386937	21.0	15.1	12.6	8.1
7-C-H012	Newall Road, Wythenshawe	380731, 387196	18.1	13.3	10.6	7.1
7-C-H013	Kids Allowed Nursery, Cheadle Royal Business Park, Cheadle	385358, 387234	16.4	12.2	10.5	7.0
7-C-H014	Newall Road, Manchester	380803, 387300	18.1	13.3	10.6	7.1
7-C-H015	Peterswood Close, Manchester	381692, 387328	18.0	13.3	12.8	8.3
7-C-H016	Barnacle Avenue, Manchester	380835, 387368	18.1	13.3	10.6	7.1
7-C-H017	Newall Green High School, Wythenshawe	380817, 387445	18.1	13.3	10.6	7.1
7-C-H018	Kingsway, Cheadle	385295, 387502	16.4	12.2	10.5	7.0
7-C-H019	Piper Hill High School, Firbank Road	381624, 387590	18.0	13.3	12.8	8.3
7-C-H020	Shawbury Road, Manchester	381698, 387644	18.0	13.3	12.8	8.3
7-C-H021	Kingsway School, Foxley Road, Gatley	385112, 387783	16.4	12.2	10.5	7.0
7-C-H022	Wythenshawe Hospital, Southmoor Road, Manchester	380491, 387858	18.1	13.3	10.6	7.1
7-C-H023	Wythenshawe Hospital, Southmoor Road, Manchester	380405, 388125	18.9	13.8	10.8	7.2
7-C-H024	Kingsway, Cheadle	385013, 388345	20.5	14.9	11.2	7.5
7-C-H025	Fouracres Road, Manchester	380964, 388354	18.9	13.8	10.8	7.2
7-C-H026	Kingsway, Cheadle	385049, 388390	20.5	14.9	11.2	7.5
7-C-H027	Banbury Road, Manchester	380925, 388400	18.9	13.8	10.8	7.2
7-C-H028	Greenwood Road, Wythenshawe	382092, 388429	17.8	13.2	13.1	8.5

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H029	Kingsway, Cheadle	385013, 388455	20.5	14.9	11.2	7.5
7-C-H030	Benchill Primary School, Benchill Road, Wythenshawe	382224, 388608	17.8	13.2	13.1	8.5
7-C-H031	Marchbank Drive, Cheadle	385093, 388734	20.5	14.9	11.2	7.5
7-C-H032	Partridge Avenue, Wythenshawe	382100, 388750	17.8	13.2	13.1	8.5
7-C-H033	Calderbeck Way, Manchester	383344, 388757	20.4	14.8	12.6	8.2
7-C-H034	Floatshall Road, Manchester	380713, 388794	18.9	13.8	10.8	7.2
7-C-H035	Lauriston Close, Manchester	383027, 388816	20.4	14.8	12.6	8.2
7-C-H036	Lorna Grove, Gatley, Cheadle	383813, 388865	20.4	14.8	12.6	8.2
7-C-H037	Crossgate Avenue, Manchester	382663, 388957	17.8	13.2	13.1	8.5
7-C-H038	Pendelbury Road, Gatley	384550, 389002	23.5	16.9	12.5	8.1
7-C-H041	Pendlebury Road, Gatley	384647, 389225	23.5	16.9	12.5	8.1
7-C-H042	Parkwood Road, Manchester	382163, 389295	18.2	13.4	12.8	8.3
7-C-H043	Altrincham Road, Altrincham	381816, 389323	16.4	12.3	11.0	7.3
7-C-H044	Altrincham Road, Altrincham	380668, 389336	17.0	12.6	11.0	7.3
7-C-H045	Abney Court Care Home, Abney Hall Park, Manchester Road, Cheadle	386017, 389336	26.8	18.9	12.8	8.3
7-C-H046	Altrincham Road, Altrincham	381363, 389358	16.4	12.3	11.0	7.3
7-C-H047	Beechpark Avenue, Wythenshawe	382277, 389358	18.2	13.4	12.8	8.3
7-C-H048	Yarwood Avenue, Altrincham	380738, 389378	17.0	12.6	11.0	7.3
7-C-H050	Kenilworth Road, Stockport	386922, 389529	26.8	18.9	12.8	8.3
7-C-H051	Bosley Road, Stockport	387230, 389705	20.0	14.6	12.6	8.4
7-C-H053	Brandon Avenue, Manchester	382358, 389962	18.2	13.4	12.8	8.3
7-C-H055	Ford Lane, Northenden, Manchester	383456, 390129	16.8	12.5	11.3	7.5
7-C-H056	Brighton Road, Stockport	388236, 390286	19.8	14.4	13.3	8.7
7-C-H058	Heaton Lane, Stockport	389023, 390368	21.9	15.8	13.0	8.5
7-C-H059	Palatine Road, Manchester	383125, 390561	16.8	12.5	11.3	7.5
7-C-H062	St Mary's Roman Catholic Primary School, Roman Road, Stockport	389344, 390766	21.9	15.8	13.0	8.5

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement
SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H063	Roman Road, Stockport	389420, 390773	21.9	15.8	13.0	8.5
7-C-H064	Pepler Avenue, Manchester	381924, 390803	16.7	12.4	12.0	7.9
7-C-H066	Rowdell Walk, Manchester	381617, 390875	16.7	12.4	12.0	7.9
7-C-H068	Penny Lane, Stockport	389510, 390946	21.9	15.8	13.0	8.5
7-C-H070	Clarkethrone Terrace, Stockport	389468, 391343	19.6	14.3	11.5	7.9
7-C-H072	Brinnington Road, Stockport	390679, 391382	22.5	16.2	12.9	8.5
7-C-H073	Bury Street, Stockport	389547, 391383	19.6	14.3	11.5	7.9
7-C-H077	Portswood Nursery School, Stockport	390674, 391513	22.5	16.2	12.9	8.5
7-C-H080	Brindale Road, Stockport	391412, 391709	24.0	17.2	13.1	8.6
7-C-H083	Riding Close, Sale	380736, 391771	16.8	12.5	12.5	8.3
7-C-H086	Rutland Lane, Sale	380794, 391924	16.8	12.5	12.5	8.3
7-C-H092	Stapeford Close, Sale	380421, 392242	15.8	11.9	12.7	8.3
7-C-H093	Appleton Lodge Care Home, Stockport	391658, 392304	18.1	13.3	12.9	8.4
7-C-H097	Arnesby Avenue, Sale	380338, 392464	15.8	11.9	12.7	8.3
7-C-H098	Rutland Crescent, Stockport	391614, 392476	18.1	13.3	12.9	8.4
7-C-H100	Newhaven Road, Stockport	391606, 392580	18.1	13.3	12.9	8.4
7-C-H114	Torbay Road, Urmston	377615, 393920	15.5	11.6	11.6	7.6
7-C-H115	Moseley Road, Manchester	386577, 393931	18.3	13.4	12.1	8.4
7-C-H116	Hawthorn Medical Centre, Manchester	386502, 393952	18.3	13.4	12.1	8.4
7-C-H117	Birchfields Road, Manchester	386442, 393959	18.3	13.4	12.1	8.4
7-C-H122	Birchfields Primary School, Lytham Road, Manchester	386429, 394236	18.5	13.5	11.9	8.1
7-C-H123	Auburn Drive, Urmston	377477, 394459	17.3	12.8	13.0	8.6
7-C-H126	Highfield Primary School, Bridgenorth Avenue, Manchester	377577, 394642	17.3	12.8	13.0	8.6
7-C-H129	St Anthony's Roman Catholic School, Bradfield Road, Manchester	377621, 394797	17.3	12.8	13.0	8.6
7-C-H135	Thompson Close, Denton	391039, 395057	23.7	16.9	13.6	8.8
7-C-H141	Dorchester Avenue, Urmston	377569, 395417	17.8	13.1	13.3	8.7

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-OMA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H142	Stanley Road, Denton	390987, 395479	17.8	13.2	11.9	8.1
7-C-H144	Anson Road, Manchester	385667, 395593	19.5	14.2	11.8	7.9
7-C-H145	Barton Road, Stretford	377670, 395597	17.8	13.1	13.3	8.7
7-C-H146	Victoria Nursing Home, Anson Road, Manchester	385684, 395634	19.5	14.2	11.8	7.9
7-C-H147	Kingsway Primary School, Kingsway Park, Urmston	377463, 395713	17.8	13.1	13.3	8.7
7-C-H148	Anson Road, Manchester	385562, 395754	19.5	14.2	11.8	7.9
7-C-H149	Upper Brooke Street, Manchester	385523, 395756	19.5	14.2	11.8	7.9
7-C-H150	Barton Clough Primary School Building, Audley Avenue, Stretford, Manchester	377803, 395776	17.8	13.1	13.3	8.7
7-C-H151	Hathersage Road, Manchester	385500, 395838	19.5	14.2	11.8	7.9
7-C-H152	Upper Brook Street, Manchester	385483, 395866	19.5	14.2	11.8	7.9
7-C-H155	St. Peters Roman Catholic High School, Kirkmanshulme Lane, Manchester	387321, 395971	18.7	13.7	12.3	8.5
7-C-H156	Kirkmanshulme Lane, Manchester	387327, 395997	18.7	13.7	12.3	8.5
7-C-H157	Kirkmanshulme Lane, Manchester	387383, 396021	18.6	13.7	12.2	8.1
7-C-H158	Iona Way, Manchester	377310, 396029	19.8	14.5	13.0	8.2
7-C-H159	Benbecula Way, Manchester	376693, 396311	21.6	15.5	13.6	8.8
7-C-H160	Wellington Street, Manchester	388707, 396347	19.2	14.0	12.1	8.3
7-C-H161	Millwall Close, Manchester	388670, 396364	19.2	14.0	12.1	8.3
7-C-H162	Stroma Gardens, Manchester	376444, 396392	21.6	15.5	13.6	8.8
7-C-H163	Chapman Street, Manchester	388842, 396441	19.2	14.0	12.1	8.3
7-C-H164	Chapman Street, Manchester	388826, 396446	19.2	14.0	12.1	8.3
7-C-H165	Hyde Road, Manchester	387158, 396509	18.6	13.7	12.2	8.1
7-C-H166	Lawnswood Road, Manchester	387047, 396567	18.6	13.7	12.2	8.1
7-C-H167	All Saints Primary School, Belle Vue Street, Manchester	387408, 396714	18.6	13.7	12.2	8.1
7-C-H168	Sharnford Square, Manchester	387358, 396770	18.6	13.7	12.2	8.1
7-C-H169	All Saints Primary School, Belle Vue Street, Manchester	387351, 396824	18.6	13.7	12.2	8.1

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-OMA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H171	Wenlock Way, Manchester	387175, 396943	18.6	13.7	12.2	8.1
7-C-H172	Nicholls Campus, Hyde Road, Ardwick	385757, 396952	21.5	15.5	12.0	8.0
7-C-H173	Gorton Lane, Manchester	387225, 396982	18.6	13.7	12.2	8.1
7-C-H174	Wenlock Way, Manchester	387182, 396998	18.6	13.7	12.2	8.1
7-C-H175	Wenlock Way, Manchester	387187, 397040	20.9	15.1	11.8	7.9
7-C-H176	Gorton Lane, Manchester	387222, 397043	20.9	15.1	11.8	7.9
7-C-H177	Cornwall Street, Manchester	388679, 397095	20.2	14.6	11.8	8.0
7-C-H178	Audenshaw Community Primary School, Ash Street, Audenshaw	391502, 397269	21.0	15.2	13.7	8.8
7-C-H179	Abinger Road, Ashton-In-Makerfield	390192, 397308	17.3	12.8	12.0	8.0
7-C-H180	Ashton Old Road, Manchester	390139, 397324	17.3	12.8	12.0	8.0
7-C-H182	Abbey Hey Lane, Manchester	389384, 397342	18.1	13.3	12.0	8.3
7-C-H183	Trafalgar Avenue, Audenshaw	391320, 397343	21.0	15.2	13.7	8.8
7-C-H184	Erin Street, Manchester	389176, 397350	18.1	13.3	12.0	8.3
7-C-H185	Varna Community Primary School, Chisholm Street, Openshaw	388767, 397357	20.2	14.6	11.8	8.0
7-C-H186	Old Ashton Road, Manchester	389258, 397367	18.1	13.3	12.0	8.3
7-C-H187	Spring Bank Avenue, Audenshaw	391506, 397373	21.0	15.2	13.7	8.8
7-C-H188	Ashton Old Road, Openshaw	388763, 397386	20.2	14.6	11.8	8.0
7-C-H189	Ashton Old Road, Tameside	388422, 397387	20.2	14.6	11.8	8.0
7-C-H190	Openshaw Campus, Whitworth Street, Manchester	387267, 397390	20.9	15.1	11.8	7.9
7-C-H191	Ashton Old Road, Tameside	388362, 397392	20.2	14.6	11.8	8.0
7-C-H192	Ashton Old Road, Manchester	388200, 397426	20.2	14.6	11.8	8.0
7-C-H193	Abinger Road, Ashton-In-Makerfield	390612, 397473	17.3	12.8	12.0	8.0
7-C-H194	Manchester Road, Audenshaw	390538, 397481	17.3	12.8	12.0	8.0
7-C-H196	Ashton Old Road, Manchester	387616, 397493	20.9	15.1	11.8	7.9
7-C-H197	Manchester Road, Audenshaw	390720, 397521	17.3	12.8	12.0	8.0
7-C-H198	Turing Close, Openshaw	387228, 397537	20.9	15.1	11.8	7.9

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H199	Falconwood Way, Manchester	387107, 397539	20.9	15.1	11.8	7.9
7-C-H200	Turing Court, Manchester	387222, 397552	20.9	15.1	11.8	7.9
7-C-H201	Oak House Surgery, Pottery Lane, Manchester	387208, 397691	20.9	15.1	11.8	7.9
7-C-H202	Churchfield Walk, Manchester	387247, 397697	20.9	15.1	11.8	7.9
7-C-H204	Peacocks Nursery, Audenshaw	391420, 397829	21.0	15.2	13.7	8.8
7-C-H205	Lumb Lane, Audenshaw	391329, 397875	21.0	15.2	13.7	8.8
7-C-H206	Grey Mare Lane, Manchester	387070, 397930	20.9	15.1	11.8	7.9
7-C-H207	Manchester Road, Audenshaw	391534, 397931	21.0	15.2	13.7	8.8
7-C-H208	St Brigid's Primary School, Grey Mare Lane, Beswick, Manchester	387113, 397953	20.9	15.1	11.8	7.9
7-C-H213	Grey Mare Lane, Manchester	387049, 398078	21.8	15.6	11.6	7.7
7-C-H216	Birch Street, Ashton-under-lyme	392379, 398130	23.2	16.5	14.7	9.4
7-C-H217	Grey Mare Lane, Manchester	387008, 398138	21.8	15.6	11.6	7.7
7-C-H220	Clayton Lane, Manchester	387896, 398275	21.8	15.6	11.6	7.7
7-C-H221	Manchester Road, Manchester	389020, 398279	18.4	13.5	11.7	8.2
7-C-H222	Ashton New Road, Manchester	388871, 398288	19.4	14.1	11.6	8.0
7-C-H223	Orme Close, Manchester	386432, 398343	21.1	15.2	11.7	7.6
7-C-H224	Ashton New Road, Manchester	388505, 398369	19.4	14.1	11.6	8.0
7-C-H225	Purslow Close, Manchester	386227, 398395	21.1	15.2	11.7	7.6
7-C-H226	Braddon Street, Manchester	388004, 398435	19.4	14.1	11.6	8.0
7-C-H227	Graham Street, Ashton-Under-Lyne	392497, 398439	23.2	16.5	14.7	9.4
7-C-H228	Ashton New Road, Manchester	388287, 398440	19.4	14.1	11.6	8.0
7-C-H229	Ashton New Road, Manchester	387634, 398531	21.8	15.6	11.6	7.7
7-C-H230	Broxton Street, Manchester	386514, 399221	23.1	16.3	11.8	7.7
7-C-H232	Bradford Road, Manchester	386547, 399274	23.1	16.3	11.8	7.7
7-C-H233	The Mews, Manchester	386578, 399317	23.1	16.3	11.8	7.7
7-C-H234	Back Lane, Ashton-Under-Lyne	391970, 399807	16.1	12.0	11.1	7.5
7-C-H235	Back Lane, Littlemoss	392004, 399976	21.1	15.3	12.8	8.4
7-C-H236	New Oak Close, Failsworth	391067, 401737	19.5	14.3	12.7	8.3

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-OMA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H237	Roman Road, Oldham	390946, 402035	20.7	15.0	14.1	9.1
7-C-H238	Roman Road, Oldham	390909, 402102	20.7	15.0	14.1	9.1
7-C-H239	Roman Road, Oldham	390972, 402187	20.7	15.0	14.1	9.1
7-C-H240	Clive Street, Oldham	390864, 402379	20.7	15.0	14.1	9.1
7-C-H241	Bardsley Street, Oldham	389980, 402967	18.1	13.3	12.2	8.3
7-C-H242	Whitegate End Primary School, Butterworth Lane, Oldham	389538, 403088	19.0	13.9	13.8	9.0
7-C-H243	Chadderton, Oldham	389358, 403393	19.0	13.9	13.8	9.0
7-C-H244	St Margaret Mary Roman Catholic Primary School, St Margaret's Road, Manchester	388736, 403396	24.3	17.2	12.8	8.4
7-C-H245	St Margaret's Road, Manchester	388703, 403410	24.3	17.2	12.8	8.4
7-C-H246	Broadway, Oldham	389517, 403473	19.0	13.9	13.8	9.0
7-C-H253**	Cranesbill Close, Manchester	382064, 386417	21.7	15.6	10.8	7.3
7-C-H254**	Bleasdale Road, Manchester	381272, 386684	21.0	15.1	12.6	8.1
7-C-H256**	Rowarth Road, Manchester	380973, 386807	17.3	12.8	11.9	7.6
7-C-H258**	Foxton Walk, Manchester	381225, 386952	21.0	15.1	12.6	8.1
7-C-H259**	Greenbrow Road, Manchester	381211, 386979	21.0	15.1	12.6	8.1
7-C-H260**	Manchester Enterprise Academy (edge)	382178, 387090	19.3	14.1	10.9	7.4
7-C-H261**	Manchester Enterprise Academy (edge of ground)	382074, 387090	19.3	14.1	10.9	7.4
7-C-H262**	Manchester Enterprise Academy, Simonsway, Manchester	381994, 387120	18.0	13.3	12.8	8.3
7-C-H263**	Wensleydale Close, Manchester	380908, 387128	18.1	13.3	10.6	7.1
7-C-H264**	Newall Road, Manchester	380843, 387131	18.1	13.3	10.6	7.1
7-C-H265**	Manchester Enterprise Academy (edge of grounds)	381955, 387136	18.0	13.3	12.8	8.3
7-C-H266**	Greenbrow Road, Manchester	380904, 387161	18.1	13.3	10.6	7.1
7-C-H267**	Greenbrow Road, Manchester	380891, 387192	18.1	13.3	10.6	7.1

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H269**	Anchors Away Play, Kennett Road, Manchester	381428, 387295	18.0	13.3	12.8	8.3
7-C-H272**	Tuffley Road, Manchester	381351, 387332	18.0	13.3	12.8	8.3
7-C-H273**	St Peters Primary School, Firbank Road, Manchester	381434, 387358	18.0	13.3	12.8	8.3
7-C-H275**	Newall Green High School, Greenbrow Road, Manchester (edge of grounds)	380937, 387430	18.1	13.3	10.6	7.1
7-C-H276**	Newall Green High School, Greenbrow Road, Manchester	380917, 387504	18.1	13.3	10.6	7.1
7-C-H277**	Greenbrow Road, Manchester	381021, 387508	18.0	13.3	12.8	8.3
7-C-H278**	Tuffley Road, Manchester	381050, 387528	18.0	13.3	12.8	8.3
7-C-H281**	Dobbinetts Lane, Manchester	380253, 387712	18.1	13.3	10.6	7.1
7-C-H283**	Greenwood Road, Manchester	382041, 388096	17.8	13.2	13.1	8.5
7-C-H284**	Greenwood Road, Manchester	382043, 388126	17.8	13.2	13.1	8.5
7-C-H285**	Highdales Road, Manchester	381622, 388146	17.4	12.9	12.0	7.9
7-C-H286**	North West Lung Centre, Southmoor Road, Manchester	380631, 388151	18.9	13.8	10.8	7.2
7-C-H287**	Firbank Road, Manchester (Nursery)	381598, 388167	17.4	12.9	12.0	7.9
7-C-H288**	Dunnisher Road, Manchester	381693, 388215	17.4	12.9	12.0	7.9
7-C-H289**	Heybrook Road, Manchester	381817, 388245	17.4	12.9	12.0	7.9
7-C-H290**	Greenbrow Road, Manchester	381143, 388293	17.4	12.9	12.0	7.9
7-C-H291**	Firbank Road, Manchester	381151, 388335	17.4	12.9	12.0	7.9
7-C-H293**	Greenbrow Road, Manchester	381142, 388398	17.4	12.9	12.0	7.9
7-C-H296**	Roundthorn Road, Manchester	380833, 388570	18.9	13.8	10.8	7.2
7-C-H303**	Pocklington Drive, Manchester	380528, 389277	17.0	12.6	11.0	7.3
7-C-H305**	Altrincham Road, Manchester	380814, 389330	17.0	12.6	11.0	7.3

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement
SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H307**	Altrincham Road, Manchester	379926, 389357	15.6	11.7	10.9	7.4
7-C-H310**	Pocklington Drive, Manchester	380552, 389358	17.0	12.6	11.0	7.3
7-C-H311**	Churchstoke Walk, Manchester	380093, 389364	17.0	12.6	11.0	7.3
7-C-H313**	Altrincham Road, Manchester	379937, 389399	15.6	11.7	10.9	7.4
7-C-H314**	Arden Lodge Road, Manchester	380070, 389400	17.0	12.6	11.0	7.3
7-C-H315**	Rookwood Avenue, Manchester	380553, 389415	17.0	12.6	11.0	7.3
7-C-H317**	Wythenshawe Road, Manchester	382216, 390065	22.3	16.1	12.6	8.2
7-C-H318**	Stockport Road, Manchester	387795, 393336	21.8	15.6	12.0	8.3
7-C-H319**	Moseley Road, Manchester	386414, 393913	18.3	13.4	12.1	8.4
7-C-H320**	Kingsway, Manchester	386576, 394014	18.5	13.5	11.9	8.1
7-C-H321**	Wilbraham Road Manchester	384739, 394101	18.0	13.3	12.1	8.2
7-C-H322**	Wilbraham Road, Manchester	384738, 394141	18.0	13.3	12.1	8.2
7-C-H323**	Birchfields Road, Manchester	386415, 394296	18.5	13.5	11.9	8.1
7-C-H324**	Stockport Road, Manchester	387389, 394535	20.1	14.6	12.9	9.0
7-C-H325**	Stockport Road, Manchester	387368, 394543	20.1	14.6	12.9	9.0
7-C-H326**	Windsor Road, Manchester	390744, 394874	16.5	12.3	11.2	7.8
7-C-H327**	Stockport Road, Manchester	387144, 395106	18.7	13.7	12.3	8.5
7-C-H328**	Slade Lane, Manchester	386923, 395388	20.7	15.0	12.3	8.3
7-C-H329**	Seymour Street, Manchester	391918, 395572	23.7	16.9	13.6	8.8
7-C-H330**	Fairway Court, Manchester	390894, 395589	17.8	13.2	11.9	8.1
7-C-H331**	Stockport Road, Manchester	386742, 395637	20.7	15.0	12.3	8.3
7-C-H332**	Manchester Road, Manchester	390003, 395651	17.8	13.2	11.9	8.1

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H333**	Ashworth Street, Manchester	392456, 395662	19.6	14.3	13.0	8.8
7-C-H334**	Manchester Road, Manchester	390074, 395675	17.8	13.2	11.9	8.1
7-C-H335**	Reddish Lane, Manchester	389464, 395689	18.0	13.2	12.3	8.5
7-C-H336**	Woodland Road, Manchester	389404, 395711	18.0	13.2	12.3	8.5
7-C-H337**	Taylor Lane, Manchester	391927, 395763	23.7	16.9	13.6	8.8
7-C-H338**	Denton Community College (edge of school grounds)	391931, 395779	23.7	16.9	13.6	8.8
7-C-H339**	Denton Community College, Egerton Street, Manchester	391947, 395800	23.7	16.9	13.6	8.8
7-C-H340**	Ashton Road, Manchester	392451, 395822	19.6	14.3	13.0	8.8
7-C-H341**	Stockport Road, Manchester	386590, 395834	20.7	15.0	12.3	8.3
7-C-H342**	Newton Avenue Care Home, Manchester	386588, 395874	20.7	15.0	12.3	8.3
7-C-H343**	New Bank Street, Manchester	386725, 395891	20.7	15.0	12.3	8.3
7-C-H344**	New Bank Street, Manchester	386743, 395900	20.7	15.0	12.3	8.3
7-C-H345**	Plymouth Grove, Manchester	386297, 395908	20.7	15.0	12.3	8.3
7-C-H346**	Toll Gate Close, Manchester	386363, 395927	20.7	15.0	12.3	8.3
7-C-H347**	Kirkmanshulme Lane, Manchester	386933, 395931	20.7	15.0	12.3	8.3
7-C-H349**	Kirkmanshulme Lane, Manchester	386965, 395973	20.7	15.0	12.3	8.3
7-C-H350**	Hyde Road, Manchester	388851, 395979	17.6	13.0	12.0	8.3
7-C-H351**	Ashton Road, Manchester	392383, 395990	19.6	14.3	13.0	8.8
7-C-H354**	Plymouth Grove, Manchester	386099, 396035	19.2	14.0	11.7	7.8
7-C-H355**	Ellen Wilkinson Crescent, Manchester	387498, 396061	18.6	13.7	12.2	8.1
7-C-H356**	Hyde Road, Manchester	388384, 396110	19.2	14.0	12.1	8.3
7-C-H357**	Hyde Road, Manchester	388326, 396128	19.2	14.0	12.1	8.3

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H358**	Mansfield Avenue, Manchester	391844, 396149	16.8	12.5	11.4	7.6
7-C-H359**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	386275, 396154	19.2	14.0	11.7	7.8
7-C-H360**	Lockhart Close, Manchester	387389, 396213	18.6	13.7	12.2	8.1
7-C-H361**	Heptonstall Walk, Manchester	388398, 396230	19.2	14.0	12.1	8.3
7-C-H362**	Hampden Crescent, Manchester	388310, 396243	19.2	14.0	12.1	8.3
7-C-H363**	Dean Trust Ardwick School, Stockport Road, Manchester	386167, 396264	19.2	14.0	11.7	7.8
7-C-H364**	Wellington Street, Manchester	388734, 396265	19.2	14.0	12.1	8.3
7-C-H365**	Chapman Street, Manchester	388866, 396271	19.2	14.0	12.1	8.3
7-C-H366**	Ashton Road, Manchester	392307, 396294	17.8	13.1	13.7	9.7
7-C-H367**	Plymouth Grove, Manchester	385500, 396334	21.5	15.5	12.0	8.0
7-C-H368**	St Luke's CoE Primary School, Langport Avenue	386124, 396356	19.2	14.0	11.7	7.8
7-C-H369**	Hyde Road, Manchester	387659, 396356	18.6	13.7	12.2	8.1
7-C-H370**	Belle Vue Street, Manchester	387624, 396367	18.6	13.7	12.2	8.1
7-C-H371**	Abbey Hey Lane, Manchester	389116, 396397	17.4	12.9	12.1	8.4
7-C-H372**	Richmond Park Centre School, Stockport Road, Manchester	385964, 396464	21.5	15.5	12.0	8.0
7-C-H374**	Denton Road, Manchester	392355, 396509	17.8	13.1	13.7	9.7
7-C-H376**	Stockport Road, Manchester	385750, 396620	21.5	15.5	12.0	8.0
7-C-H377**	Field Street, Manchester	389356, 396622	17.4	12.9	12.1	8.4
7-C-H378**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	385710, 396689	21.5	15.5	12.0	8.0
7-C-H379**	Abbey Hey Lane, Manchester	389622, 396698	17.4	12.9	12.1	8.4
7-C-H380**	Belle Vue Street, Manchester	387378, 396721	18.6	13.7	12.2	8.1

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H381**	Ashlands Drive, Manchester	392503, 396776	17.8	13.1	13.7	9.7
7-C-H382**	Gorton Lane, Manchester	387855, 396804	18.6	13.7	12.2	8.1
7-C-H383**	Early Explorers Day Nursery, Hyde Road, Manchester	385837, 396885	21.5	15.5	12.0	8.0
7-C-H385**	Gorton Lane, Manchester	387381, 396913	18.6	13.7	12.2	8.1
7-C-H386**	Kimbolton Close, Manchester	387374, 396935	18.6	13.7	12.2	8.1
7-C-H388**	Kimbolton Close, Manchester	387312, 396958	18.6	13.7	12.2	8.1
7-C-H393**	Anthony Close, Manchester	386298, 397158	21.2	15.3	11.4	7.6
7-C-H394**	Guide Lane, Manchester	392623, 397189	21.9	15.7	12.6	8.5
7-C-H396**	Scott Gate, Manchester	392563, 397353	21.9	15.7	12.6	8.5
7-C-H406**	132579/FO/2021, Merry Kidz Childcare Ltd, Ashton Old Road Manchester	386122, 397611	21.2	15.3	11.4	7.6
7-C-H408**	Cycle Street, Manchester	387673, 397891	20.9	15.1	11.8	7.9
7-C-H409**	Alan Turing Way, Manchester	387298, 397920	20.9	15.1	11.8	7.9
7-C-H411**	Albert Street, Manchester	386902, 398023	21.1	15.2	11.7	7.6
7-C-H413**	Albert Street, Manchester	386572, 398121	21.1	15.2	11.7	7.6
7-C-H414**	Albert Street, Manchester	386518, 398129	21.1	15.2	11.7	7.6
7-C-H415**	Hassop Close, Manchester	386375, 398229	21.1	15.2	11.7	7.6
7-C-H416**	Claybrook Walk, Manchester	387153, 398241	21.8	15.6	11.6	7.7
7-C-H417**	Palmerston Street, Manchester	386150, 398277	21.1	15.2	11.7	7.6
7-C-H418**	Stockport Road, Ashton-Under-Lyne	393198, 398593	23.5	16.7	12.6	8.5
7-C-H419**	North Road, Manchester	388135, 398701	19.4	14.1	11.6	8.0
7-C-H421**	Briscoe Lane, Manchester	386776, 399277	23.1	16.3	11.8	7.7

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement
SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2026 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-C-H423**	Ten Acres Lane, Manchester	387480, 399751	19.8	14.4	11.0	7.4
7-C-H424**	Briscoe Lane, Manchester	387449, 399814	19.8	14.4	11.0	7.4
7-C-H425**	Limerston Drive, Manchester	387041, 400340	20.2	14.6	11.7	7.8
7-C-H426**	Clever Bees Nursery, Oldham Road, Manchester	386902, 400357	19.8	14.4	11.6	7.7
7-C-H427**	Oldham Road, Manchester	386924, 400369	19.8	14.4	11.6	7.7

Note: ** indicates that receptor was added at SES2 and AP2 ES.

Table 10: Modelled ecological receptor backgrounds and critical loads (construction phase)

Receptor	Sensitive habitat	2026 NO _x background concentration ($\mu\text{g}/\text{m}^3$)	APIS data of average total N deposition (kg N/ha/yr)	APIS Critical load (kg N/ha/yr)
Holinwood Branch Canal SSSI	Not applicable	18.6	24.6	Not applicable
Rochdale Canal SSSI and SAC	Fen, marsh and swamp	20.1	24.6	3

Table 11: Modelled ecological receptor acid deposition backgrounds, critical loads and ammonia background concentrations (construction phase)

Receptor	Sensitive habitat	APIS data of average total acid deposition (k eq/ha/yr)	APIS Critical load nitrogen (k eq/ha/yr) (min)	APIS Critical load nitrogen (k eq/ha/yr) (max)	APIS Critical load sulphur (k eq/ha/yr) (max)	APIS Ammonia background concentration ($\mu\text{g}/\text{m}^3$)
Rochdale Canal SSSI and SAC	Fen, marsh and swamp	Not applicable	Not applicable	Not applicable	Not applicable	2.4

Assessment results

4.3.7 All impacts are predicted to be negligible for NO₂, PM₁₀ and PM_{2.5} concentrations across all assessed scenarios. Table 12 to Table 14 provide the summary of the worst-case modelled pollutant concentrations at each assessed receptor (i.e., the highest modelled concentration at a particular receptor given the different construction traffic scenarios). The magnitude of change and impact descriptor are also provided along with a comparison against the main ES, or alternatively the main ES as amended by SES1 and AP1 ES. These were derived for

human receptors following the Institute of Air Quality Management (IAQM)/Environmental Protection UK (EPUK) methodology⁸.

- 4.3.8 Table 15 to Table 17 provide the summary of the worst-case modelled pollutant concentrations at each assessed ecological receptor (i.e., the highest modelled concentration at a particular receptor given the different construction traffic scenarios).
- 4.3.9 Table 16 provides a summary of the ammonia concentration results taken from the National Highways Ammonia N Deposition Tool⁹. Table 17 provides a summary of the nitrogen deposition receptor results with an additional ammonia component applied using the National Highways Ammonia N Deposition Tool.

⁸ Institute of Air Quality Management (2017), *Land-Use planning & development control: Planning for air quality*, v1.2. Available online at: <https://iaqm.co.uk/guidance/>.

⁹ National Highways (2021), *Ammonia N Deposition Tool V2*.

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Table 12: Predicted annual mean NO₂ concentrations and impacts (construction phase)

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H001	Handforth, Wilmslow	12.1	12.2	0.1	Negligible	Negligible	Not significant
7-C-H002	Longsight Lane, Cheadle Hulme	14.2	14.3	0.1	Negligible	Negligible	Not significant
7-C-H003	Little Acorns Day Nursery, Handforth	15.6	15.8	0.2	Negligible	Negligible	Not significant
7-C-H005	Stanley Road, Cheadle Hulme	15.8	15.9	0.1	Negligible	Negligible	Not significant
7-C-H006	St James Catholic High School Building, Cheadle Hulme, Cheadle	15.3	15.4	0.1	Negligible	Negligible	Not significant
7-C-H007	Regency Gardens, Cheadle Hulme	20.7	21.0	0.3	Negligible	Negligible	Not significant
7-C-H008	Thorley Lane, Manchester	21.5	21.6	0.1	Negligible	Negligible	Not significant
7-C-H009	Heald Green, Cheadle	16.9	17.0	0.1	Negligible	Negligible	Not significant
7-C-H010	Rowarth Road, Manchester	25.9	25.9	< 0.1	Negligible	Negligible	Not significant
7-C-H011	Hurst Walk, Manchester	21.8	21.8	< 0.1	Negligible	Negligible	Not significant
7-C-H012	Newall Road, Wythenshawe	17.8	17.9	0.1	Negligible	Negligible	Not significant
7-C-H013	Kids Allowed Nursery, Cheadle Royal Business Park, Cheadle	14.6	14.6	< 0.1	Negligible	Negligible	Not significant
7-C-H014	Newall Road, Manchester	16.1	16.3	0.2	Negligible	Negligible	Not significant
7-C-H015	Peterswood Close, Manchester	22.0	22.1	0.1	Negligible	Negligible	Not significant
7-C-H016	Barnacle Avenue, Manchester	15.7	15.9	0.2	Negligible	Negligible	Not significant
7-C-H017	Newall Green High School, Wythenshawe	15.0	15.1	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H018	Kingsway, Cheadle	20.1	20.3	0.2	Negligible	Negligible	Not significant
7-C-H019	Piper Hill High School, Firbank Road	19.1	19.1	< 0.1	Negligible	Negligible	Not significant
7-C-H020	Shawbury Road, Manchester	24.2	24.3	0.1	Negligible	Negligible	Not significant
7-C-H021	Kingsway School, Foxley Road, Gatley	14.2	14.2	< 0.1	Negligible	Negligible	Not significant
7-C-H022	Wythenshawe Hospital, Southmoor Road, Manchester	15.0	15.1	0.1	Negligible	Negligible	Not significant
7-C-H023	Wythenshawe Hospital, Southmoor Road, Manchester	16.1	16.4	0.3	Negligible	Negligible	Not significant
7-C-H024	Kingsway, Cheadle	25.2	25.4	0.2	Negligible	Negligible	Not significant
7-C-H025	Fouracres Road, Manchester	16.5	16.6	0.1	Negligible	Negligible	Not significant
7-C-H026	Kingsway, Cheadle	28.4	28.7	0.3	Negligible	Negligible	Not significant
7-C-H027	Banbury Road, Manchester	17.2	17.6	0.4	Negligible	Negligible	Not significant
7-C-H028	Greenwood Road, Wythenshawe	19.9	20.2	0.3	Negligible	Negligible	Not significant
7-C-H029	Kingsway, Cheadle	26.6	26.9	0.3	Negligible	Negligible	Not significant
7-C-H030	Benchill Primary School, Benchill Road, Wythenshawe	18.1	18.2	0.1	Negligible	Negligible	Not significant
7-C-H031	Marchbank Drive, Cheadle	20.4	20.5	0.1	Negligible	Negligible	Not significant
7-C-H032	Partridge Avenue, Wythenshawe	21.2	21.2	< 0.1	Negligible	Negligible	Not significant
7-C-H033	Calderbeck Way, Manchester	20.5	20.6	0.1	Negligible	Negligible	Not significant
7-C-H034	Floatshall Road, Manchester	15.6	15.8	0.2	Negligible	Negligible	Not significant
7-C-H035	Lauriston Close, Manchester	20.9	20.9	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H036	Lorna Grove, Gatley, Cheadle	18.4	18.4	< 0.1	Negligible	Negligible	Not significant
7-C-H037	Crossgate Avenue, Manchester	19.3	19.5	0.2	Negligible	Negligible	Not significant
7-C-H038	Pendelbury Road, Gatley	20.2	20.2	< 0.1	Negligible	Negligible	Not significant
7-C-H041	Pendlebury Road, Gatley	22.6	22.6	< 0.1	Negligible	Negligible	Not significant
7-C-H042	Parkwood Road, Manchester	22.3	22.4	0.1	Negligible	Negligible	Not significant
7-C-H043	Altrincham Road, Altrincham	16.8	17.0	0.2	Negligible	Negligible	Not significant
7-C-H044	Altrincham Road, Altrincham	15.4	15.6	0.2	Negligible	Negligible	Not significant
7-C-H045	Abney Court Care Home, Abney Hall Park, Manchester Road, Cheadle	21.3	21.3	< 0.1	Negligible	Negligible	Not significant
7-C-H046	Altrincham Road, Altrincham	15.2	15.3	0.1	Negligible	Negligible	Not significant
7-C-H047	Beechpark Avenue, Wythenshawe	21.8	21.8	< 0.1	Negligible	Negligible	Not significant
7-C-H048	Yarwood Avenue, Altrincham	15.6	15.8	0.2	Negligible	Negligible	Not significant
7-C-H050	Kenilworth Road, Stockport	25.5	25.5	< 0.1	Negligible	Negligible	Not significant
7-C-H051	Bosley Road, Stockport	19.5	19.5	< 0.1	Negligible	Negligible	Not significant
7-C-H053	Brandon Avenue, Manchester	20.2	20.2	< 0.1	Negligible	Negligible	Not significant
7-C-H055	Ford Lane, Northenden, Manchester	22.8	22.9	0.1	Negligible	Negligible	Not significant
7-C-H056	Brighton Road, Stockport	21.8	21.8	< 0.1	Negligible	Negligible	Not significant
7-C-H058	Heaton Lane, Stockport	23.0	23.0	< 0.1	Negligible	Negligible	Not significant
7-C-H059	Palatine Road, Manchester	19.6	19.7	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H062	St Mary's Roman Catholic Primary School, Roman Road, Stockport	22.1	22.2	0.1	Negligible	Negligible	Not significant
7-C-H063	Roman Road, Stockport	29.1	29.1	< 0.1	Negligible	Negligible	Not significant
7-C-H064	Pepler Avenue, Manchester	17.8	17.8	< 0.1	Negligible	Negligible	Not significant
7-C-H066	Rowdell Walk, Manchester	18.9	19.0	0.1	Negligible	Negligible	Not significant
7-C-H068	Penny Lane, Stockport	21.0	21.2	0.2	Negligible	Negligible	Not significant
7-C-H070	Clarkethrone Terrace, Stockport	18.6	18.8	0.2	Negligible	Negligible	Not significant
7-C-H072	Brinnington Road, Stockport	21.4	21.5	0.1	Negligible	Negligible	Not significant
7-C-H073	Bury Street, Stockport	21.6	22.1	0.5	Negligible	Negligible	Not significant
7-C-H077	Portswood Nursery School, Stockport	24.6	24.7	0.1	Negligible	Negligible	Not significant
7-C-H080	Brindale Road, Stockport	21.8	21.9	0.1	Negligible	Negligible	Not significant
7-C-H083	Riding Close, Sale	18.9	18.9	< 0.1	Negligible	Negligible	Not significant
7-C-H086	Rutland Lane, Sale	18.5	18.5	< 0.1	Negligible	Negligible	Not significant
7-C-H092	Stapeford Close, Sale	14.8	14.8	< 0.1	Negligible	Negligible	Not significant
7-C-H093	Appleton Lodge Care Home, Stockport	16.9	17.0	0.1	Negligible	Negligible	Not significant
7-C-H097	Arnesby Avenue, Sale	16.1	16.1	< 0.1	Negligible	Negligible	Not significant
7-C-H098	Rutland Crescent, Stockport	17.6	17.7	0.1	Negligible	Negligible	Not significant
7-C-H100	Newhaven Road, Stockport	18.0	18.0	< 0.1	Negligible	Negligible	Not significant
7-C-H114	Torbay Road, Urmston	14.3	14.3	< 0.1	Negligible	Negligible	Not significant
7-C-H115	Moseley Road, Manchester	19.7	20.0	0.3	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H116	Hawthorn Medical Centre, Manchester	21.9	22.4	0.5	Negligible	Negligible	Not significant
7-C-H117	Birchfields Road, Manchester	18.2	18.8	0.6	Negligible	Negligible	Not significant
7-C-H122	Birchfields Primary School, Lytham Road, Manchester	16.6	16.6	< 0.1	Negligible	Negligible	Not significant
7-C-H123	Auburn Drive, Urmston	23.9	24.0	0.1	Negligible	Negligible	Not significant
7-C-H126	Highfield Primary School, Bridgenorth Avenue, Manchester	20.5	20.6	0.1	Negligible	Negligible	Not significant
7-C-H129	St Anthony's Roman Catholic School, Bradfield Road, Manchester	18.5	18.5	< 0.1	Negligible	Negligible	Not significant
7-C-H135	Thompson Close, Denton	23.0	23.1	0.1	Negligible	Negligible	Not significant
7-C-H141	Dorchester Avenue, Urmston	27.6	27.7	0.1	Negligible	Negligible	Not significant
7-C-H142	Stanley Road, Denton	19.0	19.2	0.2	Negligible	Negligible	Not significant
7-C-H144	Anson Road, Manchester	16.2	16.2	< 0.1	Negligible	Negligible	Not significant
7-C-H145	Barton Road, Stretford	20.6	20.6	< 0.1	Negligible	Negligible	Not significant
7-C-H146	Victoria Nursing Home, Anson Road, Manchester	16.7	16.7	< 0.1	Negligible	Negligible	Not significant
7-C-H147	Kingsway Primary School, Kingsway Park, Urmston	20.3	20.4	0.1	Negligible	Negligible	Not significant
7-C-H148	Anson Road, Manchester	18.8	18.8	< 0.1	Negligible	Negligible	Not significant
7-C-H149	Upper Brooke Street, Manchester	16.2	16.2	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H150	Barton Clough Primary School Building, Audley Avenue, Stretford, Manchester	15.7	15.7	< 0.1	Negligible	Negligible	Not significant
7-C-H151	Hathersage Road, Manchester	20.8	20.8	< 0.1	Negligible	Negligible	Not significant
7-C-H152	Upper Brook Street, Manchester	20.5	20.4	-0.1	Negligible	Negligible	Not significant
7-C-H155	St. Peters Roman Catholic High School, Kirkmanshulme Lane, Manchester	15.4	15.7	0.3	Negligible	Negligible	Not significant
7-C-H156	Kirkmanshulme Lane, Manchester	16.4	17.4	1.0	Negligible	Negligible	Not significant
7-C-H157	Kirkmanshulme Lane, Manchester	16.2	17.2	1.0	Negligible	Negligible	Not significant
7-C-H158	Iona Way, Manchester	22.7	22.8	0.1	Negligible	Negligible	Not significant
7-C-H159	Benbecula Way, Manchester	24.2	24.3	0.1	Negligible	Negligible	Not significant
7-C-H160	Wellington Street, Manchester	16.2	16.2	< 0.1	Negligible	Negligible	Not significant
7-C-H161	Millwall Close, Manchester	15.7	15.6	-0.1	Negligible	Negligible	Not significant
7-C-H162	Stroma Gardens, Manchester	23.1	23.2	0.1	Negligible	Negligible	Not significant
7-C-H163	Chapman Street, Manchester	18.0	18.2	0.2	Negligible	Negligible	Not significant
7-C-H164	Chapman Street, Manchester	17.3	17.5	0.2	Negligible	Negligible	Not significant
7-C-H165	Hyde Road, Manchester	20.8	21.7	0.9	Negligible	Negligible	Not significant
7-C-H166	Lawnswood Road, Manchester	19.3	19.6	0.3	Negligible	Negligible	Not significant
7-C-H167	All Saints Primary School, Belle Vue Street, Manchester	15.0	15.7	0.7	Negligible	Negligible	Not significant
7-C-H168	Sharnford Square, Manchester	14.9	15.7	0.8	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H169	All Saints Primary School, Belle Vue Street, Manchester	15.3	16.3	1.0	Negligible	Negligible	Not significant
7-C-H171	Wenlock Way, Manchester	19.2	19.6	0.4	Negligible	Negligible	Not significant
7-C-H172	Nicholls Campus, Hyde Road, Ardwick	21.0	21.1	0.1	Negligible	Negligible	Not significant
7-C-H173	Gorton Lane, Manchester	19.0	19.3	0.3	Negligible	Negligible	Not significant
7-C-H174	Wenlock Way, Manchester	20.8	21.5	0.7	Negligible	Negligible	Not significant
7-C-H175	Wenlock Way, Manchester	21.6	22.3	0.7	Negligible	Negligible	Not significant
7-C-H176	Gorton Lane, Manchester	19.6	20.2	0.6	Negligible	Negligible	Not significant
7-C-H177	Cornwall Street, Manchester	18.7	18.9	0.2	Negligible	Negligible	Not significant
7-C-H178	Audenshaw Community Primary School, Ash Street, Audenshaw	17.3	17.4	0.1	Negligible	Negligible	Not significant
7-C-H179	Abinger Road, Ashton-In-Makerfield	15.8	15.9	0.1	Negligible	Negligible	Not significant
7-C-H180	Ashton Old Road, Manchester	17.7	17.9	0.2	Negligible	Negligible	Not significant
7-C-H182	Abbey Hey Lane, Manchester	16.3	16.5	0.2	Negligible	Negligible	Not significant
7-C-H183	Trafalgar Avenue, Audenshaw	25.7	26.0	0.3	Negligible	Negligible	Not significant
7-C-H184	Erin Street, Manchester	17.0	17.2	0.2	Negligible	Negligible	Not significant
7-C-H185	Varna Community Primary School, Chisholm Street, Openshaw	16.9	16.9	< 0.1	Negligible	Negligible	Not significant
7-C-H186	Old Ashton Road, Manchester	20.7	20.9	0.2	Negligible	Negligible	Not significant
7-C-H187	Spring Bank Avenue, Audenshaw	19.4	19.6	0.2	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H188	Ashton Old Road, Openshaw	20.1	20.2	0.1	Negligible	Negligible	Not significant
7-C-H189	Ashton Old Road, Tameside	18.9	19.0	0.1	Negligible	Negligible	Not significant
7-C-H190	Openshaw Campus, Whitworth Street, Manchester	16.8	16.9	0.1	Negligible	Negligible	Not significant
7-C-H191	Ashton Old Road, Tameside	19.3	19.2	-0.1	Negligible	Negligible	Not significant
7-C-H192	Ashton Old Road, Manchester	21.9	22.0	0.1	Negligible	Negligible	Not significant
7-C-H193	Abinger Road, Ashton-In-Makerfield	16.4	16.5	0.1	Negligible	Negligible	Not significant
7-C-H194	Manchester Road, Audenshaw	18.9	19.0	0.1	Negligible	Negligible	Not significant
7-C-H196	Ashton Old Road, Manchester	18.7	18.9	0.2	Negligible	Negligible	Not significant
7-C-H197	Manchester Road, Audenshaw	16.0	16.1	0.1	Negligible	Negligible	Not significant
7-C-H198	Turing Close, Openshaw	20.2	20.5	0.3	Negligible	Negligible	Not significant
7-C-H199	Falconwood Way, Manchester	19.0	19.3	0.3	Negligible	Negligible	Not significant
7-C-H200	Turing Court, Manchester	19.8	20.2	0.4	Negligible	Negligible	Not significant
7-C-H201	Oak House Surgery, Pottery Lane, Manchester	21.6	22.1	0.5	Negligible	Negligible	Not significant
7-C-H202	Churchfield Walk, Manchester	19.3	19.7	0.4	Negligible	Negligible	Not significant
7-C-H204	Peacocks Nursery, Audenshaw	17.1	17.2	0.1	Negligible	Negligible	Not significant
7-C-H205	Lumb Lane, Audenshaw	20.3	20.5	0.2	Negligible	Negligible	Not significant
7-C-H206	Grey Mare Lane, Manchester	16.1	16.2	0.1	Negligible	Negligible	Not significant
7-C-H207	Manchester Road, Audenshaw	21.3	21.5	0.2	Negligible	Negligible	Not significant
7-C-H208	St Brigid's Primary School, Grey Mare Lane, Beswick, Manchester	16.5	16.8	0.3	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H213	Grey Mare Lane, Manchester	16.7	17.1	0.4	Negligible	Negligible	Not significant
7-C-H216	Birch Street, Ashton-under-lyme	19.2	19.3	0.1	Negligible	Negligible	Not significant
7-C-H217	Grey Mare Lane, Manchester	16.5	16.7	0.2	Negligible	Negligible	Not significant
7-C-H220	Clayton Lane, Manchester	17.9	18.1	0.2	Negligible	Negligible	Not significant
7-C-H221	Manchester Road, Manchester	18.9	18.8	-0.1	Negligible	Negligible	Not significant
7-C-H222	Ashton New Road, Manchester	16.5	16.5	< 0.1	Negligible	Negligible	Not significant
7-C-H223	Orme Close, Manchester	16.6	16.6	< 0.1	Negligible	Negligible	Not significant
7-C-H224	Ashton New Road, Manchester	16.3	16.3	< 0.1	Negligible	Negligible	Not significant
7-C-H225	Purslow Close, Manchester	16.0	16.1	0.1	Negligible	Negligible	Not significant
7-C-H226	Braddon Street, Manchester	15.2	15.2	< 0.1	Negligible	Negligible	Not significant
7-C-H227	Graham Street, Ashton-Under-Lyne	23.7	23.8	0.1	Negligible	Negligible	Not significant
7-C-H228	Ashton New Road, Manchester	18.4	18.3	-0.1	Negligible	Negligible	Not significant
7-C-H229	Ashton New Road, Manchester	22.0	22.1	0.1	Negligible	Negligible	Not significant
7-C-H230	Broxton Street, Manchester	19.3	19.2	-0.1	Negligible	Negligible	Not significant
7-C-H232	Bradford Road, Manchester	21.3	21.2	-0.1	Negligible	Negligible	Not significant
7-C-H233	The Mews, Manchester	19.9	19.8	-0.1	Negligible	Negligible	Not significant
7-C-H234	Back Lane, Ashton-Under-Lyne	16.2	16.3	0.1	Negligible	Negligible	Not significant
7-C-H235	Back Lane, Littlemoss	21.8	21.9	0.1	Negligible	Negligible	Not significant
7-C-H236	New Oak Close, Failsworth	19.8	20.0	0.2	Negligible	Negligible	Not significant
7-C-H237	Roman Road, Oldham	20.0	20.1	0.1	Negligible	Negligible	Not significant
7-C-H238	Roman Road, Oldham	20.0	20.1	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H239	Roman Road, Oldham	29.4	29.7	0.3	Negligible	Negligible	Not significant
7-C-H240	Clive Street, Oldham	23.9	24.1	0.2	Negligible	Negligible	Not significant
7-C-H241	Bardsley Street, Oldham	21.7	21.9	0.2	Negligible	Negligible	Not significant
7-C-H242	Whitegate End Primary School, Butterworth Lane, Oldham	15.3	15.3	< 0.1	Negligible	Negligible	Not significant
7-C-H243	Chadderton, Oldham	19.6	19.7	0.1	Negligible	Negligible	Not significant
7-C-H244	St Margaret Mary Roman Catholic Primary School, St Margaret's Road, Manchester	21.0	21.1	0.1	Negligible	Negligible	Not significant
7-C-H245	St Margaret's Road, Manchester	23.4	23.5	0.1	Negligible	Negligible	Not significant
7-C-H246	Broadway, Oldham	21.7	21.8	0.1	Negligible	Negligible	Not significant
7-C-H253**	Cranesbill Close, Manchester	17.8	17.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H254**	Bleasdale Road, Manchester	20.6	20.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H256**	Rowarth Road, Manchester	14.8	14.9	0.1	Negligible	Not applicable	Not significant
7-C-H258**	Foxtan Walk, Manchester	20.4	20.6	0.2	Negligible	Not applicable	Not significant
7-C-H259**	Greenbrow Road, Manchester	21.2	21.7	0.5	Negligible	Not applicable	Not significant
7-C-H260**	Manchester Enterprise Academy (edge	17.6	17.8	0.2	Negligible	Not applicable	Not significant
7-C-H261**	Manchester Enterprise Academy (edge of ground)	18.4	18.5	0.1	Negligible	Not applicable	Not significant
7-C-H262**	Manchester Enterprise Academy, Simonsway, Manchester	16.4	16.5	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H263**	Wensleydale Close, Manchester	18.1	18.5	0.4	Negligible	Not applicable	Not significant
7-C-H264**	Newall Road, Manchester	16.9	17.1	0.2	Negligible	Not applicable	Not significant
7-C-H265**	Manchester Enterprise Academy (edge of grounds)	17.0	17.1	0.1	Negligible	Not applicable	Not significant
7-C-H266**	Greenbrow Road, Manchester	16.9	17.1	0.2	Negligible	Not applicable	Not significant
7-C-H267**	Greenbrow Road, Manchester	16.6	16.7	0.1	Negligible	Not applicable	Not significant
7-C-H269**	Anchors Away Play, Kennett Road, Manchester	20.0	20.1	0.1	Negligible	Not applicable	Not significant
7-C-H272**	Tuffley Road, Manchester	18.4	18.5	0.1	Negligible	Not applicable	Not significant
7-C-H273**	St Peters Primary School, Firbank Road, Manchester	18.4	18.5	0.1	Negligible	Not applicable	Not significant
7-C-H275**	Newall Green High School, Greenbrow Road, Manchester (edge of grounds)	16.5	16.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H276**	Newall Green High School, Greenbrow Road, Manchester	14.9	14.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H277**	Greenbrow Road, Manchester	16.0	16.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H278**	Tuffley Road, Manchester	16.3	16.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H281**	Dobbinetts Lane, Manchester	17.7	18.3	0.6	Negligible	Not applicable	Not significant
7-C-H283**	Greenwood Road, Manchester	17.6	17.9	0.3	Negligible	Not applicable	Not significant
7-C-H284**	Greenwood Road, Manchester	19.3	19.8	0.5	Negligible	Not applicable	Not significant
7-C-H285**	Highdales Road, Manchester	15.6	15.7	0.1	Negligible	Not applicable	Not significant
7-C-H286**	North West Lung Centre, Southmoor Road, Manchester	15.3	15.4	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H287**	Firbank Road, Manchester (Nursery)	15.6	16.0	0.4	Negligible	Not applicable	Not significant
7-C-H288**	Dunnisher Road, Manchester	16.8	17.0	0.2	Negligible	Not applicable	Not significant
7-C-H289**	Heybrook Road, Manchester	19.2	19.4	0.2	Negligible	Not applicable	Not significant
7-C-H290**	Greenbrow Road, Manchester	15.6	15.7	0.1	Negligible	Not applicable	Not significant
7-C-H291**	Firbank Road, Manchester	15.2	15.6	0.4	Negligible	Not applicable	Not significant
7-C-H293**	Greenbrow Road, Manchester	16.1	16.2	0.1	Negligible	Not applicable	Not significant
7-C-H296**	Roundthorn Road, Manchester	15.6	15.8	0.2	Negligible	Not applicable	Not significant
7-C-H303**	Pocklington Drive, Manchester	16.3	16.5	0.2	Negligible	Not applicable	Not significant
7-C-H305**	Altrincham Road, Manchester	16.0	16.2	0.2	Negligible	Not applicable	Not significant
7-C-H307**	Altrincham Road, Manchester	15.4	15.6	0.2	Negligible	Not applicable	Not significant
7-C-H310**	Pocklington Drive, Manchester	15.7	15.9	0.2	Negligible	Not applicable	Not significant
7-C-H311**	Churchstoke Walk, Manchester	16.2	16.3	0.1	Negligible	Not applicable	Not significant
7-C-H313**	Altrincham Road, Manchester	17.2	17.4	0.2	Negligible	Not applicable	Not significant
7-C-H314**	Arden Lodge Road, Manchester	17.9	18.2	0.3	Negligible	Not applicable	Not significant
7-C-H315**	Rookwood Avenue, Manchester	16.6	16.9	0.3	Negligible	Not applicable	Not significant
7-C-H317**	Wythenshawe Road, Manchester	23.5	23.6	0.1	Negligible	Not applicable	Not significant
7-C-H318**	Stockport Road, Manchester	20.6	20.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H319**	Moseley Road, Manchester	16.4	16.9	0.5	Negligible	Not applicable	Not significant
7-C-H320**	Kingsway, Manchester	18.1	18.3	0.2	Negligible	Not applicable	Not significant
7-C-H321**	Wilbraham Road Manchester	15.6	15.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H322**	Wilbraham Road, Manchester	17.4	17.5	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H323**	Birchfields Road, Manchester	17.6	17.4	-0.2	Negligible	Not applicable	Not significant
7-C-H324**	Stockport Road, Manchester	19.6	19.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H325**	Stockport Road, Manchester	18.5	18.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H326**	Windsor Road, Manchester	16.5	16.7	0.2	Negligible	Not applicable	Not significant
7-C-H327**	Stockport Road, Manchester	17.6	17.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H328**	Slade Lane, Manchester	19.3	19.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H329**	Seymour Street, Manchester	28.7	28.9	0.2	Negligible	Not applicable	Not significant
7-C-H330**	Fairway Court, Manchester	19.1	19.2	0.1	Negligible	Not applicable	Not significant
7-C-H331**	Stockport Road, Manchester	20.0	19.9	-0.1	Negligible	Not applicable	Not significant
7-C-H332**	Manchester Road, Manchester	17.9	18.0	0.1	Negligible	Not applicable	Not significant
7-C-H333**	Ashworth Street, Manchester	17.9	18.1	0.2	Negligible	Not applicable	Not significant
7-C-H334**	Manchester Road, Manchester	21.2	21.4	0.2	Negligible	Not applicable	Not significant
7-C-H335**	Reddish Lane, Manchester	19.8	20.0	0.2	Negligible	Not applicable	Not significant
7-C-H336**	Woodland Road, Manchester	16.5	16.6	0.1	Negligible	Not applicable	Not significant
7-C-H337**	Taylor Lane, Manchester	21.3	21.6	0.3	Negligible	Not applicable	Not significant
7-C-H338**	Denton Community College (edge of school grounds)	22.8	23.2	0.4	Negligible	Not applicable	Not significant
7-C-H339**	Denton Community College, Egerton Street, Manchester	19.2	19.3	0.1	Negligible	Not applicable	Not significant
7-C-H340**	Ashton Road, Manchester	19.4	19.8	0.4	Negligible	Not applicable	Not significant
7-C-H341**	Stockport Road, Manchester	19.2	19.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H342**	Newton Avenue Care Home, Manchester	23.0	23.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H343**	New Bank Street, Manchester	19.8	20.1	0.3	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H344**	New Bank Street, Manchester	19.7	20.1	0.4	Negligible	Not applicable	Not significant
7-C-H345**	Plymouth Grove, Manchester	17.3	17.4	0.1	Negligible	Not applicable	Not significant
7-C-H346**	Toll Gate Close, Manchester	17.5	17.6	0.1	Negligible	Not applicable	Not significant
7-C-H347**	Kirkmanshulme Lane, Manchester	17.8	17.9	0.1	Negligible	Not applicable	Not significant
7-C-H349**	Kirkmanshulme Lane, Manchester	18.9	19.0	0.1	Negligible	Not applicable	Not significant
7-C-H350**	Hyde Road, Manchester	23.2	23.8	0.6	Negligible	Not applicable	Not significant
7-C-H351**	Ashton Road, Manchester	18.2	18.5	0.3	Negligible	Not applicable	Not significant
7-C-H354**	Plymouth Grove, Manchester	17.6	17.9	0.3	Negligible	Not applicable	Not significant
7-C-H355**	Ellen Wilkinson Crescent, Manchester	15.3	15.7	0.4	Negligible	Not applicable	Not significant
7-C-H356**	Hyde Road, Manchester	18.7	19.1	0.4	Negligible	Not applicable	Not significant
7-C-H357**	Hyde Road, Manchester	18.2	18.6	0.4	Negligible	Not applicable	Not significant
7-C-H358**	Mansfield Avenue, Manchester	16.4	16.7	0.3	Negligible	Not applicable	Not significant
7-C-H359**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	17.6	17.5	-0.1	Negligible	Not applicable	Not significant
7-C-H360**	Lockhart Close, Manchester	14.2	14.6	0.4	Negligible	Not applicable	Not significant
7-C-H361**	Heptonstall Walk, Manchester	17.1	17.5	0.4	Negligible	Not applicable	Not significant
7-C-H362**	Hampden Crescent, Manchester	16.2	16.6	0.4	Negligible	Not applicable	Not significant
7-C-H363**	Dean Trust Ardwick School, Stockport Road, Manchester	16.9	16.8	-0.1	Negligible	Not applicable	Not significant
7-C-H364**	Wellington Street, Manchester	19.5	19.7	0.2	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H365**	Chapman Street, Manchester	16.7	16.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H366**	Ashton Road, Manchester	16.5	16.9	0.4	Negligible	Not applicable	Not significant
7-C-H367**	Plymouth Grove, Manchester	19.3	19.7	0.4	Negligible	Not applicable	Not significant
7-C-H368**	St Luke's CoE Primary School, Langport Avenue	15.4	15.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H369**	Hyde Road, Manchester	19.6	19.9	0.3	Negligible	Not applicable	Not significant
7-C-H370**	Belle Vue Street, Manchester	20.1	20.9	0.8	Negligible	Not applicable	Not significant
7-C-H371**	Abbey Hey Lane, Manchester	14.7	15.0	0.3	Negligible	Not applicable	Not significant
7-C-H372**	Richmond Park Centre School, Stockport Road, Manchester	17.8	17.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H374**	Denton Road, Manchester	16.6	16.9	0.3	Negligible	Not applicable	Not significant
7-C-H376**	Stockport Road, Manchester	18.6	18.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H377**	Field Street, Manchester	15.0	15.4	0.4	Negligible	Not applicable	Not significant
7-C-H378**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	19.4	19.3	-0.1	Negligible	Not applicable	Not significant
7-C-H379**	Abbey Hey Lane, Manchester	14.3	14.6	0.3	Negligible	Not applicable	Not significant
7-C-H380**	Belle Vue Street, Manchester	14.8	15.5	0.7	Negligible	Not applicable	Not significant
7-C-H381**	Ashlands Drive, Manchester	17.8	18.1	0.3	Negligible	Not applicable	Not significant
7-C-H382**	Gorton Lane, Manchester	16.5	16.3	-0.2	Negligible	Not applicable	Not significant
7-C-H383**	Early Explorers Day Nursery, Hyde Road, Manchester	18.8	18.9	0.1	Negligible	Not applicable	Not significant
7-C-H385**	Gorton Lane, Manchester	16.1	16.0	-0.1	Negligible	Not applicable	Not significant
7-C-H386**	Kimbolton Close, Manchester	17.6	17.4	-0.2	Negligible	Not applicable	Not significant
7-C-H388**	Kimbolton Close, Manchester	17.3	17.3	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H393**	Anthony Close, Manchester	15.5	15.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H394**	Guide Lane, Manchester	18.9	19.1	0.2	Negligible	Not applicable	Not significant
7-C-H396**	Scott Gate, Manchester	19.5	19.7	0.2	Negligible	Not applicable	Not significant
7-C-H406**	132579/FO/2021, Merry Kidz Childcare Ltd, Ashton Old Road Manchester	22.7	24.6	1.9	Negligible	Not applicable	Not significant
7-C-H408**	Cycle Street, Manchester	17.8	18.2	0.4	Negligible	Not applicable	Not significant
7-C-H409**	Alan Turing Way, Manchester	17.8	18.0	0.2	Negligible	Not applicable	Not significant
7-C-H411**	Albert Street, Manchester	16.0	16.5	0.5	Negligible	Not applicable	Not significant
7-C-H413**	Albert Street, Manchester	15.8	16.4	0.6	Negligible	Not applicable	Not significant
7-C-H414**	Albert Street, Manchester	15.8	16.2	0.4	Negligible	Not applicable	Not significant
7-C-H415**	Hassop Close, Manchester	15.7	16.2	0.5	Negligible	Not applicable	Not significant
7-C-H416**	Claybrook Walk, Manchester	18.7	18.8	0.1	Negligible	Not applicable	Not significant
7-C-H417**	Palmerston Street, Manchester	16.1	16.6	0.5	Negligible	Not applicable	Not significant
7-C-H418**	Stockport Road, Ashton-Under-Lyne	21.0	21.1	0.1	Negligible	Not applicable	Not significant
7-C-H419**	North Road, Manchester	17.0	17.2	0.2	Negligible	Not applicable	Not significant
7-C-H421**	Briscoe Lane, Manchester	20.1	20.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H423**	Ten Acres Lane, Manchester	16.8	16.9	0.1	Negligible	Not applicable	Not significant
7-C-H424**	Briscoe Lane, Manchester	19.8	19.7	-0.1	Negligible	Not applicable	Not significant
7-C-H425**	Limerston Drive, Manchester	15.6	15.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H426**	Clever Bees Nursery, Oldham Road, Manchester	20.4	20.3	-0.1	Negligible	Not applicable	Not significant
7-C-H427**	Oldham Road, Manchester	20.5	20.4	-0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Note: ** Indicates that receptor is new to the SES2 and AP2 ES.

Table 13: Predicted annual mean PM₁₀ concentrations and impacts (construction phase)

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H001	Handforth, Wilmslow	9.9	9.9	< 0.1	Negligible	Negligible	Not significant
7-C-H002	Longsight Lane, Cheadle Hulme	10.9	10.9	< 0.1	Negligible	Negligible	Not significant
7-C-H003	Little Acorns Day Nursery, Handforth	10.9	10.9	< 0.1	Negligible	Negligible	Not significant
7-C-H005	Stanley Road, Cheadle Hulme	11.4	11.4	< 0.1	Negligible	Negligible	Not significant
7-C-H006	St James Catholic High School Building, Cheadle Hulme, Cheadle	11.4	11.4	< 0.1	Negligible	Negligible	Not significant
7-C-H007	Regency Gardens, Cheadle Hulme	12.7	12.7	< 0.1	Negligible	Negligible	Not significant
7-C-H008	Thorley Lane, Manchester	14.2	14.2	< 0.1	Negligible	Negligible	Not significant
7-C-H009	Heald Green, Cheadle	11.5	11.5	< 0.1	Negligible	Negligible	Not significant
7-C-H010	Rowarth Road, Manchester	14.6	14.6	< 0.1	Negligible	Negligible	Not significant
7-C-H011	Hurst Walk, Manchester	13.8	13.8	< 0.1	Negligible	Negligible	Not significant
7-C-H012	Newall Road, Wythenshawe	11.9	12.0	0.1	Negligible	Negligible	Not significant
7-C-H013	Kids Allowed Nursery, Cheadle Royal Business Park, Cheadle	11.4	11.4	< 0.1	Negligible	Negligible	Not significant
7-C-H014	Newall Road, Manchester	11.4	11.4	< 0.1	Negligible	Negligible	Not significant
7-C-H015	Peterswood Close, Manchester	14.6	14.6	< 0.1	Negligible	Negligible	Not significant
7-C-H016	Barnacle Avenue, Manchester	11.2	11.3	0.1	Negligible	Negligible	Not significant
7-C-H017	Newall Green High School, Wythenshawe	11.0	11.0	< 0.1	Negligible	Negligible	Not significant
7-C-H018	Kingsway, Cheadle	13.5	13.6	0.1	Negligible	Negligible	Not significant
7-C-H019	Piper Hill High School, Firbank Road	14.0	14.0	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H020	Shawbury Road, Manchester	15.1	15.2	0.1	Negligible	Negligible	Not significant
7-C-H021	Kingsway School, Foxley Road, Gatley	11.2	11.2	< 0.1	Negligible	Negligible	Not significant
7-C-H022	Wythenshawe Hospital, Southmoor Road, Manchester	11.0	11.1	0.1	Negligible	Negligible	Not significant
7-C-H023	Wythenshawe Hospital, Southmoor Road, Manchester	11.4	11.5	0.1	Negligible	Negligible	Not significant
7-C-H024	Kingsway, Cheadle	14.4	14.5	0.1	Negligible	Negligible	Not significant
7-C-H025	Fouracres Road, Manchester	11.5	11.5	< 0.1	Negligible	Negligible	Not significant
7-C-H026	Kingsway, Cheadle	15.4	15.5	0.1	Negligible	Negligible	Not significant
7-C-H027	Banbury Road, Manchester	11.7	11.8	0.1	Negligible	Negligible	Not significant
7-C-H028	Greenwood Road, Wythenshawe	14.6	14.7	0.1	Negligible	Negligible	Not significant
7-C-H029	Kingsway, Cheadle	15.4	15.5	0.1	Negligible	Negligible	Not significant
7-C-H030	Benchill Primary School, Benchill Road, Wythenshawe	14.1	14.2	0.1	Negligible	Negligible	Not significant
7-C-H031	Marchbank Drive, Cheadle	12.5	12.5	< 0.1	Negligible	Negligible	Not significant
7-C-H032	Partridge Avenue, Wythenshawe	14.8	14.8	< 0.1	Negligible	Negligible	Not significant
7-C-H033	Calderbeck Way, Manchester	13.8	13.8	< 0.1	Negligible	Negligible	Not significant
7-C-H034	Floatshall Road, Manchester	11.2	11.3	0.1	Negligible	Negligible	Not significant
7-C-H035	Lauriston Close, Manchester	14.1	14.1	< 0.1	Negligible	Negligible	Not significant
7-C-H036	Lorna Grove, Gatley, Cheadle	13.3	13.3	< 0.1	Negligible	Negligible	Not significant
7-C-H037	Crossgate Avenue, Manchester	14.6	14.7	0.1	Negligible	Negligible	Not significant
7-C-H038	Pendlebury Road, Gatley	13.2	13.2	< 0.1	Negligible	Negligible	Not significant
7-C-H041	Pendlebury Road, Gatley	13.7	13.7	< 0.1	Negligible	Negligible	Not significant
7-C-H042	Parkwood Road, Manchester	14.9	14.9	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H043	Altrincham Road, Altrincham	12.2	12.3	0.1	Negligible	Negligible	Not significant
7-C-H044	Altrincham Road, Altrincham	11.8	11.9	0.1	Negligible	Negligible	Not significant
7-C-H045	Abney Court Care Home, Abney Hall Park, Manchester Road, Cheadle	13.3	13.4	0.1	Negligible	Negligible	Not significant
7-C-H046	Altrincham Road, Altrincham	11.8	11.8	< 0.1	Negligible	Negligible	Not significant
7-C-H047	Beechpark Avenue, Wythenshawe	14.5	14.5	< 0.1	Negligible	Negligible	Not significant
7-C-H048	Yarwood Avenue, Altrincham	11.9	11.9	< 0.1	Negligible	Negligible	Not significant
7-C-H050	Kenilworth Road, Stockport	14.3	14.3	< 0.1	Negligible	Negligible	Not significant
7-C-H051	Bosley Road, Stockport	13.7	13.7	< 0.1	Negligible	Negligible	Not significant
7-C-H053	Brandon Avenue, Manchester	14.4	14.4	< 0.1	Negligible	Negligible	Not significant
7-C-H055	Ford Lane, Northenden, Manchester	13.5	13.5	< 0.1	Negligible	Negligible	Not significant
7-C-H056	Brighton Road, Stockport	15.0	15.0	< 0.1	Negligible	Negligible	Not significant
7-C-H058	Heaton Lane, Stockport	14.7	14.7	< 0.1	Negligible	Negligible	Not significant
7-C-H059	Palatine Road, Manchester	13.2	13.2	< 0.1	Negligible	Negligible	Not significant
7-C-H062	St Mary's Roman Catholic Primary School, Roman Road, Stockport	14.2	14.3	0.1	Negligible	Negligible	Not significant
7-C-H063	Roman Road, Stockport	15.6	15.7	0.1	Negligible	Negligible	Not significant
7-C-H064	Pepler Avenue, Manchester	13.0	13.0	< 0.1	Negligible	Negligible	Not significant
7-C-H066	Rowdell Walk, Manchester	13.3	13.3	< 0.1	Negligible	Negligible	Not significant
7-C-H068	Penny Lane, Stockport	14.2	14.3	0.1	Negligible	Negligible	Not significant
7-C-H070	Clarkethrone Terrace, Stockport	12.7	12.8	0.1	Negligible	Negligible	Not significant
7-C-H072	Brinnington Road, Stockport	14.3	14.3	< 0.1	Negligible	Negligible	Not significant
7-C-H073	Bury Street, Stockport	14.0	14.2	0.2	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H077	Portswood Nursery School, Stockport	14.8	14.8	< 0.1	Negligible	Negligible	Not significant
7-C-H080	Brindale Road, Stockport	14.1	14.1	< 0.1	Negligible	Negligible	Not significant
7-C-H083	Riding Close, Sale	13.7	13.7	< 0.1	Negligible	Negligible	Not significant
7-C-H086	Rutland Lane, Sale	13.6	13.6	< 0.1	Negligible	Negligible	Not significant
7-C-H092	Stapeford Close, Sale	13.4	13.4	< 0.1	Negligible	Negligible	Not significant
7-C-H093	Appleton Lodge Care Home, Stockport	13.6	13.6	< 0.1	Negligible	Negligible	Not significant
7-C-H097	Arnesby Avenue, Sale	13.6	13.6	< 0.1	Negligible	Negligible	Not significant
7-C-H098	Rutland Crescent, Stockport	13.8	13.8	< 0.1	Negligible	Negligible	Not significant
7-C-H100	Newhaven Road, Stockport	13.9	13.9	< 0.1	Negligible	Negligible	Not significant
7-C-H114	Torbay Road, Urmston	12.2	12.2	< 0.1	Negligible	Negligible	Not significant
7-C-H115	Moseley Road, Manchester	13.9	14.0	0.1	Negligible	Negligible	Not significant
7-C-H116	Hawthorn Medical Centre, Manchester	14.6	14.8	0.2	Negligible	Negligible	Not significant
7-C-H117	Birchfields Road, Manchester	13.5	13.7	0.2	Negligible	Negligible	Not significant
7-C-H122	Birchfields Primary School, Lytham Road, Manchester	12.8	12.9	0.1	Negligible	Negligible	Not significant
7-C-H123	Auburn Drive, Urmston	15.2	15.2	< 0.1	Negligible	Negligible	Not significant
7-C-H126	Highfield Primary School, Bridgenorth Avenue, Manchester	14.4	14.5	0.1	Negligible	Negligible	Not significant
7-C-H129	St Anthony's Roman Catholic School, Bradfield Road, Manchester	14.1	14.2	0.1	Negligible	Negligible	Not significant
7-C-H135	Thompson Close, Denton	14.8	14.8	< 0.1	Negligible	Negligible	Not significant
7-C-H141	Dorchester Avenue, Urmston	16.1	16.2	0.1	Negligible	Negligible	Not significant
7-C-H142	Stanley Road, Denton	13.1	13.1	< 0.1	Negligible	Negligible	Not significant
7-C-H144	Anson Road, Manchester	12.5	12.5	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H145	Barton Road, Stretford	14.9	14.9	< 0.1	Negligible	Negligible	Not significant
7-C-H146	Victoria Nursing Home, Anson Road, Manchester	12.6	12.6	< 0.1	Negligible	Negligible	Not significant
7-C-H147	Kingsway Primary School, Kingsway Park, Urmston	15.1	15.1	< 0.1	Negligible	Negligible	Not significant
7-C-H148	Anson Road, Manchester	13.3	13.3	< 0.1	Negligible	Negligible	Not significant
7-C-H149	Upper Brooke Street, Manchester	12.4	12.4	< 0.1	Negligible	Negligible	Not significant
7-C-H150	Barton Clough Primary School Building, Audley Avenue, Stretford, Manchester	13.9	13.9	< 0.1	Negligible	Negligible	Not significant
7-C-H151	Hathersage Road, Manchester	13.8	13.8	< 0.1	Negligible	Negligible	Not significant
7-C-H152	Upper Brook Street, Manchester	13.7	13.7	< 0.1	Negligible	Negligible	Not significant
7-C-H155	St. Peters Roman Catholic High School, Kirkmanshulme Lane, Manchester	12.8	13.0	0.2	Negligible	Negligible	Not significant
7-C-H156	Kirkmanshulme Lane, Manchester	13.2	13.5	0.3	Negligible	Negligible	Not significant
7-C-H157	Kirkmanshulme Lane, Manchester	12.9	13.3	0.4	Negligible	Negligible	Not significant
7-C-H158	Iona Way, Manchester	14.6	14.6	< 0.1	Negligible	Negligible	Not significant
7-C-H159	Benbecula Way, Manchester	15.2	15.3	0.1	Negligible	Negligible	Not significant
7-C-H160	Wellington Street, Manchester	12.7	12.7	< 0.1	Negligible	Negligible	Not significant
7-C-H161	Millwall Close, Manchester	12.6	12.6	< 0.1	Negligible	Negligible	Not significant
7-C-H162	Stroma Gardens, Manchester	15.2	15.2	< 0.1	Negligible	Negligible	Not significant
7-C-H163	Chapman Street, Manchester	13.3	13.4	0.1	Negligible	Negligible	Not significant
7-C-H164	Chapman Street, Manchester	13.1	13.2	0.1	Negligible	Negligible	Not significant
7-C-H165	Hyde Road, Manchester	14.4	14.7	0.3	Negligible	Negligible	Not significant
7-C-H166	Lawnswood Road, Manchester	13.8	13.9	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H167	All Saints Primary School, Belle Vue Street, Manchester	12.6	12.8	0.2	Negligible	Negligible	Not significant
7-C-H168	Sharnford Square, Manchester	12.6	12.8	0.2	Negligible	Negligible	Not significant
7-C-H169	All Saints Primary School, Belle Vue Street, Manchester	12.7	13.0	0.3	Negligible	Negligible	Not significant
7-C-H171	Wenlock Way, Manchester	13.7	13.9	0.2	Negligible	Negligible	Not significant
7-C-H172	Nicholls Campus, Hyde Road, Ardwick	13.7	13.7	< 0.1	Negligible	Negligible	Not significant
7-C-H173	Gorton Lane, Manchester	13.7	13.8	0.1	Negligible	Negligible	Not significant
7-C-H174	Wenlock Way, Manchester	14.3	14.5	0.2	Negligible	Negligible	Not significant
7-C-H175	Wenlock Way, Manchester	13.8	14.0	0.2	Negligible	Negligible	Not significant
7-C-H176	Gorton Lane, Manchester	13.2	13.4	0.2	Negligible	Negligible	Not significant
7-C-H177	Cornwall Street, Manchester	13.1	13.1	< 0.1	Negligible	Negligible	Not significant
7-C-H178	Audenshaw Community Primary School, Ash Street, Audenshaw	14.2	14.2	< 0.1	Negligible	Negligible	Not significant
7-C-H179	Abinger Road, Ashton-In-Makerfield	12.9	12.9	< 0.1	Negligible	Negligible	Not significant
7-C-H180	Ashton Old Road, Manchester	13.5	13.6	0.1	Negligible	Negligible	Not significant
7-C-H182	Abbey Hey Lane, Manchester	12.9	13.0	0.1	Negligible	Negligible	Not significant
7-C-H183	Trafalgar Avenue, Audenshaw	15.8	15.9	0.1	Negligible	Negligible	Not significant
7-C-H184	Erin Street, Manchester	13.1	13.1	< 0.1	Negligible	Negligible	Not significant
7-C-H185	Varna Community Primary School, Chisholm Street, Openshaw	12.5	12.5	< 0.1	Negligible	Negligible	Not significant
7-C-H186	Old Ashton Road, Manchester	14.1	14.1	< 0.1	Negligible	Negligible	Not significant
7-C-H187	Spring Bank Avenue, Audenshaw	14.5	14.6	0.1	Negligible	Negligible	Not significant
7-C-H188	Ashton Old Road, Openshaw	13.5	13.6	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H189	Ashton Old Road, Tameside	13.0	13.0	< 0.1	Negligible	Negligible	Not significant
7-C-H190	Openshaw Campus, Whitworth Street, Manchester	12.4	12.4	< 0.1	Negligible	Negligible	Not significant
7-C-H191	Ashton Old Road, Tameside	13.1	13.1	< 0.1	Negligible	Negligible	Not significant
7-C-H192	Ashton Old Road, Manchester	13.9	13.9	< 0.1	Negligible	Negligible	Not significant
7-C-H193	Abinger Road, Ashton-In-Makerfield	13.0	13.0	< 0.1	Negligible	Negligible	Not significant
7-C-H194	Manchester Road, Audenshaw	13.7	13.8	0.1	Negligible	Negligible	Not significant
7-C-H196	Ashton Old Road, Manchester	13.0	13.1	0.1	Negligible	Negligible	Not significant
7-C-H197	Manchester Road, Audenshaw	12.9	12.9	< 0.1	Negligible	Negligible	Not significant
7-C-H198	Turing Close, Openshaw	13.4	13.5	0.1	Negligible	Negligible	Not significant
7-C-H199	Falconwood Way, Manchester	13.0	13.1	0.1	Negligible	Negligible	Not significant
7-C-H200	Turing Court, Manchester	13.3	13.4	0.1	Negligible	Negligible	Not significant
7-C-H201	Oak House Surgery, Pottery Lane, Manchester	13.8	14.0	0.2	Negligible	Negligible	Not significant
7-C-H202	Churchfield Walk, Manchester	13.1	13.2	0.1	Negligible	Negligible	Not significant
7-C-H204	Peacocks Nursery, Audenshaw	14.2	14.2	< 0.1	Negligible	Negligible	Not significant
7-C-H205	Lumb Lane, Audenshaw	15.2	15.2	< 0.1	Negligible	Negligible	Not significant
7-C-H206	Grey Mare Lane, Manchester	12.1	12.2	0.1	Negligible	Negligible	Not significant
7-C-H207	Manchester Road, Audenshaw	15.3	15.4	0.1	Negligible	Negligible	Not significant
7-C-H208	St Brigid's Primary School, Grey Mare Lane, Beswick, Manchester	12.3	12.4	0.1	Negligible	Negligible	Not significant
7-C-H213	Grey Mare Lane, Manchester	11.9	12.0	0.1	Negligible	Negligible	Not significant
7-C-H216	Birch Street, Ashton-under-lyme	15.3	15.3	< 0.1	Negligible	Negligible	Not significant
7-C-H217	Grey Mare Lane, Manchester	11.9	11.9	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H220	Clayton Lane, Manchester	12.3	12.4	0.1	Negligible	Negligible	Not significant
7-C-H221	Manchester Road, Manchester	13.3	13.3	< 0.1	Negligible	Negligible	Not significant
7-C-H222	Ashton New Road, Manchester	12.3	12.3	< 0.1	Negligible	Negligible	Not significant
7-C-H223	Orme Close, Manchester	12.1	12.1	< 0.1	Negligible	Negligible	Not significant
7-C-H224	Ashton New Road, Manchester	12.3	12.3	< 0.1	Negligible	Negligible	Not significant
7-C-H225	Purslow Close, Manchester	11.9	12.0	0.1	Negligible	Negligible	Not significant
7-C-H226	Braddon Street, Manchester	11.9	11.9	< 0.1	Negligible	Negligible	Not significant
7-C-H227	Graham Street, Ashton-Under-Lyne	16.4	16.5	0.1	Negligible	Negligible	Not significant
7-C-H228	Ashton New Road, Manchester	13.0	13.0	< 0.1	Negligible	Negligible	Not significant
7-C-H229	Ashton New Road, Manchester	13.6	13.6	< 0.1	Negligible	Negligible	Not significant
7-C-H230	Broxton Street, Manchester	12.7	12.7	< 0.1	Negligible	Negligible	Not significant
7-C-H232	Bradford Road, Manchester	13.4	13.3	-0.1	Negligible	Negligible	Not significant
7-C-H233	The Mews, Manchester	12.8	12.8	< 0.1	Negligible	Negligible	Not significant
7-C-H234	Back Lane, Ashton-Under-Lyne	11.8	11.8	< 0.1	Negligible	Negligible	Not significant
7-C-H235	Back Lane, Littlemoss	14.0	14.1	0.1	Negligible	Negligible	Not significant
7-C-H236	New Oak Close, Failsworth	13.7	13.7	< 0.1	Negligible	Negligible	Not significant
7-C-H237	Roman Road, Oldham	15.1	15.1	< 0.1	Negligible	Negligible	Not significant
7-C-H238	Roman Road, Oldham	15.1	15.1	< 0.1	Negligible	Negligible	Not significant
7-C-H239	Roman Road, Oldham	17.0	17.1	0.1	Negligible	Negligible	Not significant
7-C-H240	Clive Street, Oldham	15.9	16.0	0.1	Negligible	Negligible	Not significant
7-C-H241	Bardsley Street, Oldham	14.0	14.0	< 0.1	Negligible	Negligible	Not significant
7-C-H242	Whitegate End Primary School, Butterworth Lane, Oldham	14.1	14.1	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H243	Chadderton, Oldham	15.2	15.3	0.1	Negligible	Negligible	Not significant
7-C-H244	St Margaret Mary Roman Catholic Primary School, St Margaret's Road, Manchester	13.5	13.5	< 0.1	Negligible	Negligible	Not significant
7-C-H245	St Margaret's Road, Manchester	14.0	14.0	< 0.1	Negligible	Negligible	Not significant
7-C-H246	Broadway, Oldham	15.9	15.9	< 0.1	Negligible	Negligible	Not significant
7-C-H253**	Cranesbill Close, Manchester	11.4	11.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H254**	Bleasdale Road, Manchester	13.6	13.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H256**	Rowarth Road, Manchester	12.3	12.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H258**	Foxtan Walk, Manchester	13.8	13.9	0.1	Negligible	Not applicable	Not significant
7-C-H259**	Greenbrow Road, Manchester	14.1	14.3	0.2	Negligible	Not applicable	Not significant
7-C-H260**	Manchester Enterprise Academy (edge of ground)	12.0	12.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H261**	Manchester Enterprise Academy (edge of ground)	12.2	12.3	0.1	Negligible	Not applicable	Not significant
7-C-H262**	Manchester Enterprise Academy, Simonsway, Manchester	13.7	13.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H263**	Wensleydale Close, Manchester	12.0	12.1	0.1	Negligible	Not applicable	Not significant
7-C-H264**	Newall Road, Manchester	11.6	11.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H265**	Manchester Enterprise Academy (edge of grounds)	13.8	13.9	0.1	Negligible	Not applicable	Not significant
7-C-H266**	Greenbrow Road, Manchester	11.6	11.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H267**	Greenbrow Road, Manchester	11.5	11.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H269**	Anchors Away Play, Kennett Road, Manchester	14.5	14.6	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H272**	Tuffley Road, Manchester	14.1	14.2	0.1	Negligible	Not applicable	Not significant
7-C-H273**	St Peters Primary School, Firbank Road, Manchester	14.0	14.1	0.1	Negligible	Not applicable	Not significant
7-C-H275**	Newall Green High School, Greenbrow Road, Manchester (edge of grounds)	11.5	11.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H276**	Newall Green High School, Greenbrow Road, Manchester	11.0	11.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H277**	Greenbrow Road, Manchester	13.5	13.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H278**	Tuffley Road, Manchester	13.6	13.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H281**	Dobbinetts Lane, Manchester	11.9	12.1	0.2	Negligible	Not applicable	Not significant
7-C-H283**	Greenwood Road, Manchester	14.2	14.3	0.1	Negligible	Not applicable	Not significant
7-C-H284**	Greenwood Road, Manchester	14.7	14.8	0.1	Negligible	Not applicable	Not significant
7-C-H285**	Highdales Road, Manchester	12.6	12.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H286**	North West Lung Centre, Southmoor Road, Manchester	11.2	11.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H287**	Firbank Road, Manchester (Nursery)	12.6	12.7	0.1	Negligible	Not applicable	Not significant
7-C-H288**	Dunnisher Road, Manchester	12.9	13.0	0.1	Negligible	Not applicable	Not significant
7-C-H289**	Heybrook Road, Manchester	13.4	13.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H290**	Greenbrow Road, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-C-H291**	Firbank Road, Manchester	12.6	12.7	0.1	Negligible	Not applicable	Not significant
7-C-H293**	Greenbrow Road, Manchester	12.9	12.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H296**	Roundthorn Road, Manchester	11.2	11.3	0.1	Negligible	Not applicable	Not significant
7-C-H303**	Pocklington Drive, Manchester	12.1	12.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H305**	Altrincham Road, Manchester	12.0	12.1	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H307**	Altrincham Road, Manchester	12.0	12.1	0.1	Negligible	Not applicable	Not significant
7-C-H310**	Pocklington Drive, Manchester	11.9	11.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H311**	Churchstoke Walk, Manchester	12.1	12.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H313**	Altrincham Road, Manchester	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-C-H314**	Arden Lodge Road, Manchester	12.6	12.7	0.1	Negligible	Not applicable	Not significant
7-C-H315**	Rookwood Avenue, Manchester	12.2	12.3	0.1	Negligible	Not applicable	Not significant
7-C-H317**	Wythenshawe Road, Manchester	14.5	14.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H318**	Stockport Road, Manchester	13.6	13.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H319**	Moseley Road, Manchester	13.1	13.2	0.1	Negligible	Not applicable	Not significant
7-C-H320**	Kingsway, Manchester	13.2	13.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H321**	Wilbraham Road Manchester	12.8	12.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H322**	Wilbraham Road, Manchester	13.3	13.4	0.1	Negligible	Not applicable	Not significant
7-C-H323**	Birchfields Road, Manchester	13.2	13.1	-0.1	Negligible	Not applicable	Not significant
7-C-H324**	Stockport Road, Manchester	14.5	14.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H325**	Stockport Road, Manchester	14.2	14.1	-0.1	Negligible	Not applicable	Not significant
7-C-H326**	Windsor Road, Manchester	12.4	12.5	0.1	Negligible	Not applicable	Not significant
7-C-H327**	Stockport Road, Manchester	13.6	13.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H328**	Slade Lane, Manchester	13.7	13.6	-0.1	Negligible	Not applicable	Not significant
7-C-H329**	Seymour Street, Manchester	16.6	16.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H330**	Fairway Court, Manchester	13.7	13.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H331**	Stockport Road, Manchester	13.9	13.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H332**	Manchester Road, Manchester	13.4	13.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H333**	Ashworth Street, Manchester	13.8	13.9	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H334**	Manchester Road, Manchester	14.7	14.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H335**	Reddish Lane, Manchester	14.2	14.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H336**	Woodland Road, Manchester	13.2	13.3	0.1	Negligible	Not applicable	Not significant
7-C-H337**	Taylor Lane, Manchester	14.9	15.0	0.1	Negligible	Not applicable	Not significant
7-C-H338**	Denton Community College (edge of school grounds)	15.4	15.6	0.2	Negligible	Not applicable	Not significant
7-C-H339**	Denton Community College, Egerton Street, Manchester	14.3	14.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H340**	Ashton Road, Manchester	14.3	14.4	0.1	Negligible	Not applicable	Not significant
7-C-H341**	Stockport Road, Manchester	13.6	13.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H342**	Newton Avenue Care Home, Manchester	14.7	14.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H343**	New Bank Street, Manchester	13.7	13.8	0.1	Negligible	Not applicable	Not significant
7-C-H344**	New Bank Street, Manchester	13.7	13.8	0.1	Negligible	Not applicable	Not significant
7-C-H345**	Plymouth Grove, Manchester	13.0	13.1	0.1	Negligible	Not applicable	Not significant
7-C-H346**	Toll Gate Close, Manchester	13.1	13.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H347**	Kirkmanshulme Lane, Manchester	13.1	13.2	0.1	Negligible	Not applicable	Not significant
7-C-H349**	Kirkmanshulme Lane, Manchester	13.4	13.5	0.1	Negligible	Not applicable	Not significant
7-C-H350**	Hyde Road, Manchester	15.3	15.5	0.2	Negligible	Not applicable	Not significant
7-C-H351**	Ashton Road, Manchester	14.1	14.2	0.1	Negligible	Not applicable	Not significant
7-C-H354**	Plymouth Grove, Manchester	12.8	12.9	0.1	Negligible	Not applicable	Not significant
7-C-H355**	Ellen Wilkinson Crescent, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-C-H356**	Hyde Road, Manchester	13.4	13.5	0.1	Negligible	Not applicable	Not significant
7-C-H357**	Hyde Road, Manchester	13.3	13.4	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H358**	Mansfield Avenue, Manchester	12.6	12.7	0.1	Negligible	Not applicable	Not significant
7-C-H359**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	12.8	12.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H360**	Lockhart Close, Manchester	12.3	12.4	0.1	Negligible	Not applicable	Not significant
7-C-H361**	Heptonstall Walk, Manchester	13.0	13.1	0.1	Negligible	Not applicable	Not significant
7-C-H362**	Hampden Crescent, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-C-H363**	Dean Trust Ardwick School, Stockport Road, Manchester	12.6	12.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H364**	Wellington Street, Manchester	13.6	13.7	0.1	Negligible	Not applicable	Not significant
7-C-H365**	Chapman Street, Manchester	12.8	12.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H366**	Ashton Road, Manchester	14.7	14.8	0.1	Negligible	Not applicable	Not significant
7-C-H367**	Plymouth Grove, Manchester	13.2	13.4	0.2	Negligible	Not applicable	Not significant
7-C-H368**	St Luke's CoE Primary School, Langport Avenue	12.2	12.1	-0.1	Negligible	Not applicable	Not significant
7-C-H369**	Hyde Road, Manchester	14.0	14.1	0.1	Negligible	Not applicable	Not significant
7-C-H370**	Belle Vue Street, Manchester	14.1	14.3	0.2	Negligible	Not applicable	Not significant
7-C-H371**	Abbey Hey Lane, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-C-H372**	Richmond Park Centre School, Stockport Road, Manchester	12.8	12.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H374**	Denton Road, Manchester	14.8	14.9	0.1	Negligible	Not applicable	Not significant
7-C-H376**	Stockport Road, Manchester	13.0	13.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H377**	Field Street, Manchester	12.8	12.9	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H378**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	13.2	13.1	-0.1	Negligible	Not applicable	Not significant
7-C-H379**	Abbey Hey Lane, Manchester	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-C-H380**	Belle Vue Street, Manchester	12.5	12.7	0.2	Negligible	Not applicable	Not significant
7-C-H381**	Ashlands Drive, Manchester	15.1	15.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H382**	Gorton Lane, Manchester	13.1	13.0	-0.1	Negligible	Not applicable	Not significant
7-C-H383**	Early Explorers Day Nursery, Hyde Road, Manchester	13.0	13.1	0.1	Negligible	Not applicable	Not significant
7-C-H385**	Gorton Lane, Manchester	12.9	12.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H386**	Kimbolton Close, Manchester	13.4	13.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H388**	Kimbolton Close, Manchester	13.3	13.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H393**	Anthony Close, Manchester	11.4	11.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H394**	Guide Lane, Manchester	13.5	13.6	0.1	Negligible	Not applicable	Not significant
7-C-H396**	Scott Gate, Manchester	13.7	13.8	0.1	Negligible	Not applicable	Not significant
7-C-H406**	132579/FO/2021, Merry Kidz Childcare Ltd, Ashton Old Road Manchester	13.8	14.1	0.3	Negligible	Not applicable	Not significant
7-C-H408**	Cycle Street, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-C-H409**	Alan Turing Way, Manchester	12.7	12.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H411**	Albert Street, Manchester	11.9	12.1	0.2	Negligible	Not applicable	Not significant
7-C-H413**	Albert Street, Manchester	11.9	12.1	0.2	Negligible	Not applicable	Not significant
7-C-H414**	Albert Street, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant
7-C-H415**	Hassop Close, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant
7-C-H416**	Claybrook Walk, Manchester	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-C-H417**	Palmerston Street, Manchester	12.0	12.1	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H418**	Stockport Road, Ashton-Under-Lyne	14.0	14.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H419**	North Road, Manchester	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-C-H421**	Briscoe Lane, Manchester	12.9	12.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H423**	Ten Acres Lane, Manchester	11.7	11.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H424**	Briscoe Lane, Manchester	12.5	12.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H425**	Limerston Drive, Manchester	11.9	11.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H426**	Clever Bees Nursery, Oldham Road, Manchester	13.5	13.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H427**	Oldham Road, Manchester	13.5	13.5	< 0.1	Negligible	Not applicable	Not significant

Note: ** Indicates that receptor is new to the SES2 and A2P ES.

Table 14: Predicted annual mean PM_{2.5} concentrations and impacts (construction phase)

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H001	Handforth, Wilmslow	6.6	6.7	0.1	Negligible	Negligible	Not significant
7-C-H002	Longsight Lane, Cheadle Hulme	7.2	7.2	< 0.1	Negligible	Negligible	Not significant
7-C-H003	Little Acorns Day Nursery, Handforth	7.2	7.2	< 0.1	Negligible	Negligible	Not significant
7-C-H005	Stanley Road, Cheadle Hulme	7.5	7.5	< 0.1	Negligible	Negligible	Not significant
7-C-H006	St James Catholic High School Building, Cheadle Hulme, Cheadle	7.4	7.5	0.1	Negligible	Negligible	Not significant
7-C-H007	Regency Gardens, Cheadle Hulme	8.2	8.2	< 0.1	Negligible	Negligible	Not significant
7-C-H008	Thorley Lane, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H009	Heald Green, Cheadle	7.6	7.6	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H010	Rowarth Road, Manchester	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-C-H011	Hurst Walk, Manchester	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H012	Newall Road, Wythenshawe	7.8	7.9	0.1	Negligible	Negligible	Not significant
7-C-H013	Kids Allowed Nursery, Cheadle Royal Business Park, Cheadle	7.5	7.5	< 0.1	Negligible	Negligible	Not significant
7-C-H014	Newall Road, Manchester	7.5	7.5	< 0.1	Negligible	Negligible	Not significant
7-C-H015	Peterswood Close, Manchester	9.4	9.4	< 0.1	Negligible	Negligible	Not significant
7-C-H016	Barnacle Avenue, Manchester	7.4	7.5	0.1	Negligible	Negligible	Not significant
7-C-H017	Newall Green High School, Wythenshawe	7.3	7.3	< 0.1	Negligible	Negligible	Not significant
7-C-H018	Kingsway, Cheadle	8.7	8.8	0.1	Negligible	Negligible	Not significant
7-C-H019	Piper Hill High School, Firbank Road	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H020	Shawbury Road, Manchester	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H021	Kingsway School, Foxley Road, Gatley	7.4	7.4	< 0.1	Negligible	Negligible	Not significant
7-C-H022	Wythenshawe Hospital, Southmoor Road, Manchester	7.3	7.4	0.1	Negligible	Negligible	Not significant
7-C-H023	Wythenshawe Hospital, Southmoor Road, Manchester	7.6	7.7	0.1	Negligible	Negligible	Not significant
7-C-H024	Kingsway, Cheadle	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-C-H025	Fouracres Road, Manchester	7.6	7.7	0.1	Negligible	Negligible	Not significant
7-C-H026	Kingsway, Cheadle	9.9	9.9	< 0.1	Negligible	Negligible	Not significant
7-C-H027	Banbury Road, Manchester	7.8	7.8	< 0.1	Negligible	Negligible	Not significant
7-C-H028	Greenwood Road, Wythenshawe	9.4	9.5	0.1	Negligible	Negligible	Not significant
7-C-H029	Kingsway, Cheadle	9.8	9.9	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H030	Benchill Primary School, Benchill Road, Wythenshawe	9.1	9.2	0.1	Negligible	Negligible	Not significant
7-C-H031	Marchbank Drive, Cheadle	8.3	8.3	< 0.1	Negligible	Negligible	Not significant
7-C-H032	Partridge Avenue, Wythenshawe	9.5	9.5	< 0.1	Negligible	Negligible	Not significant
7-C-H033	Calderbeck Way, Manchester	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H034	Floatshall Road, Manchester	7.5	7.5	< 0.1	Negligible	Negligible	Not significant
7-C-H035	Lauriston Close, Manchester	9.1	9.1	< 0.1	Negligible	Negligible	Not significant
7-C-H036	Lorna Grove, Gatley, Cheadle	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H037	Crossgate Avenue, Manchester	9.4	9.4	< 0.1	Negligible	Negligible	Not significant
7-C-H038	Pendelbury Road, Gatley	8.5	8.6	0.1	Negligible	Negligible	Not significant
7-C-H041	Pendlebury Road, Gatley	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H042	Parkwood Road, Manchester	9.5	9.6	0.1	Negligible	Negligible	Not significant
7-C-H043	Altrincham Road, Altrincham	8.1	8.1	< 0.1	Negligible	Negligible	Not significant
7-C-H044	Altrincham Road, Altrincham	7.8	7.8	< 0.1	Negligible	Negligible	Not significant
7-C-H045	Abney Court Care Home, Abney Hall Park, Manchester Road, Cheadle	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H046	Altrincham Road, Altrincham	7.8	7.8	< 0.1	Negligible	Negligible	Not significant
7-C-H047	Beechpark Avenue, Wythenshawe	9.4	9.4	< 0.1	Negligible	Negligible	Not significant
7-C-H048	Yarwood Avenue, Altrincham	7.8	7.9	0.1	Negligible	Negligible	Not significant
7-C-H050	Kenilworth Road, Stockport	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-C-H051	Bosley Road, Stockport	9.0	9.1	0.1	Negligible	Negligible	Not significant
7-C-H053	Brandon Avenue, Manchester	9.2	9.2	< 0.1	Negligible	Negligible	Not significant
7-C-H055	Ford Lane, Northenden, Manchester	8.8	8.8	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H056	Brighton Road, Stockport	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H058	Heaton Lane, Stockport	9.5	9.5	< 0.1	Negligible	Negligible	Not significant
7-C-H059	Palatine Road, Manchester	8.5	8.6	0.1	Negligible	Negligible	Not significant
7-C-H062	St Mary's Roman Catholic Primary School, Roman Road, Stockport	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-C-H063	Roman Road, Stockport	10.2	10.2	< 0.1	Negligible	Negligible	Not significant
7-C-H064	Pepler Avenue, Manchester	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H066	Rowdell Walk, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H068	Penny Lane, Stockport	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-C-H070	Clarkethrone Terrace, Stockport	8.5	8.6	0.1	Negligible	Negligible	Not significant
7-C-H072	Brinnington Road, Stockport	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-C-H073	Bury Street, Stockport	9.2	9.3	0.1	Negligible	Negligible	Not significant
7-C-H077	Portswood Nursery School, Stockport	9.6	9.6	< 0.1	Negligible	Negligible	Not significant
7-C-H080	Brindale Road, Stockport	9.2	9.2	< 0.1	Negligible	Negligible	Not significant
7-C-H083	Riding Close, Sale	9.1	9.1	< 0.1	Negligible	Negligible	Not significant
7-C-H086	Rutland Lane, Sale	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H092	Stapeford Close, Sale	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H093	Appleton Lodge Care Home, Stockport	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H097	Arnesby Avenue, Sale	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H098	Rutland Crescent, Stockport	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H100	Newhaven Road, Stockport	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H114	Torbay Road, Urmston	7.9	7.9	< 0.1	Negligible	Negligible	Not significant
7-C-H115	Moseley Road, Manchester	9.4	9.4	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H116	Hawthorn Medical Centre, Manchester	9.8	9.8	< 0.1	Negligible	Negligible	Not significant
7-C-H117	Birchfields Road, Manchester	9.1	9.2	0.1	Negligible	Negligible	Not significant
7-C-H122	Birchfields Primary School, Lytham Road, Manchester	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H123	Auburn Drive, Urmston	9.9	9.9	< 0.1	Negligible	Negligible	Not significant
7-C-H126	Highfield Primary School, Bridgenorth Avenue, Manchester	9.4	9.4	< 0.1	Negligible	Negligible	Not significant
7-C-H129	St Anthony's Roman Catholic School, Bradfield Road, Manchester	9.2	9.2	< 0.1	Negligible	Negligible	Not significant
7-C-H135	Thompson Close, Denton	9.5	9.6	0.1	Negligible	Negligible	Not significant
7-C-H141	Dorchester Avenue, Urmston	10.4	10.4	< 0.1	Negligible	Negligible	Not significant
7-C-H142	Stanley Road, Denton	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H144	Anson Road, Manchester	8.2	8.2	< 0.1	Negligible	Negligible	Not significant
7-C-H145	Barton Road, Stretford	9.6	9.6	< 0.1	Negligible	Negligible	Not significant
7-C-H146	Victoria Nursing Home, Anson Road, Manchester	8.3	8.3	< 0.1	Negligible	Negligible	Not significant
7-C-H147	Kingsway Primary School, Kingsway Park, Urmston	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H148	Anson Road, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H149	Upper Brooke Street, Manchester	8.2	8.2	< 0.1	Negligible	Negligible	Not significant
7-C-H150	Barton Clough Primary School Building, Audley Avenue, Stretford, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H151	Hathersage Road, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H152	Upper Brook Street, Manchester	8.9	8.9	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H155	St. Peters Roman Catholic High School, Kirkmanshulme Lane, Manchester	8.7	8.8	0.1	Negligible	Negligible	Not significant
7-C-H156	Kirkmanshulme Lane, Manchester	8.9	9.1	0.2	Negligible	Negligible	Not significant
7-C-H157	Kirkmanshulme Lane, Manchester	8.5	8.7	0.2	Negligible	Negligible	Not significant
7-C-H158	Iona Way, Manchester	9.2	9.2	< 0.1	Negligible	Negligible	Not significant
7-C-H159	Benbecula Way, Manchester	9.8	9.8	< 0.1	Negligible	Negligible	Not significant
7-C-H160	Wellington Street, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H161	Millwall Close, Manchester	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H162	Stroma Gardens, Manchester	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H163	Chapman Street, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H164	Chapman Street, Manchester	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H165	Hyde Road, Manchester	9.4	9.5	0.1	Negligible	Negligible	Not significant
7-C-H166	Lawnswood Road, Manchester	9.0	9.1	0.1	Negligible	Negligible	Not significant
7-C-H167	All Saints Primary School, Belle Vue Street, Manchester	8.3	8.4	0.1	Negligible	Negligible	Not significant
7-C-H168	Sharnford Square, Manchester	8.3	8.4	0.1	Negligible	Negligible	Not significant
7-C-H169	All Saints Primary School, Belle Vue Street, Manchester	8.4	8.6	0.2	Negligible	Negligible	Not significant
7-C-H171	Wenlock Way, Manchester	9.0	9.1	0.1	Negligible	Negligible	Not significant
7-C-H172	Nicholls Campus, Hyde Road, Ardwick	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H173	Gorton Lane, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H174	Wenlock Way, Manchester	9.3	9.4	0.1	Negligible	Negligible	Not significant
7-C-H175	Wenlock Way, Manchester	9.0	9.1	0.1	Negligible	Negligible	Not significant
7-C-H176	Gorton Lane, Manchester	8.7	8.8	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H177	Cornwall Street, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H178	Audenshaw Community Primary School, Ash Street, Audenshaw	9.1	9.1	< 0.1	Negligible	Negligible	Not significant
7-C-H179	Abinger Road, Ashton-In-Makerfield	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H180	Ashton Old Road, Manchester	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H182	Abbey Hey Lane, Manchester	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H183	Trafalgar Avenue, Audenshaw	10.1	10.2	0.1	Negligible	Negligible	Not significant
7-C-H184	Erin Street, Manchester	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H185	Varna Community Primary School, Chisholm Street, Openshaw	8.3	8.4	0.1	Negligible	Negligible	Not significant
7-C-H186	Old Ashton Road, Manchester	9.4	9.5	0.1	Negligible	Negligible	Not significant
7-C-H187	Spring Bank Avenue, Audenshaw	9.3	9.4	0.1	Negligible	Negligible	Not significant
7-C-H188	Ashton Old Road, Openshaw	8.9	9.0	0.1	Negligible	Negligible	Not significant
7-C-H189	Ashton Old Road, Tameside	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H190	Openshaw Campus, Whitworth Street, Manchester	8.2	8.2	< 0.1	Negligible	Negligible	Not significant
7-C-H191	Ashton Old Road, Tameside	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H192	Ashton Old Road, Manchester	9.1	9.2	0.1	Negligible	Negligible	Not significant
7-C-H193	Abinger Road, Ashton-In-Makerfield	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H194	Manchester Road, Audenshaw	9.0	9.1	0.1	Negligible	Negligible	Not significant
7-C-H196	Ashton Old Road, Manchester	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H197	Manchester Road, Audenshaw	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H198	Turing Close, Openshaw	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H199	Falconwood Way, Manchester	8.6	8.6	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H200	Turing Court, Manchester	8.7	8.8	0.1	Negligible	Negligible	Not significant
7-C-H201	Oak House Surgery, Pottery Lane, Manchester	9.0	9.1	0.1	Negligible	Negligible	Not significant
7-C-H202	Churchfield Walk, Manchester	8.6	8.7	0.1	Negligible	Negligible	Not significant
7-C-H204	Peacocks Nursery, Audenshaw	9.1	9.1	< 0.1	Negligible	Negligible	Not significant
7-C-H205	Lumb Lane, Audenshaw	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H206	Grey Mare Lane, Manchester	8.1	8.1	< 0.1	Negligible	Negligible	Not significant
7-C-H207	Manchester Road, Audenshaw	9.8	9.8	< 0.1	Negligible	Negligible	Not significant
7-C-H208	St Brigid's Primary School, Grey Mare Lane, Beswick, Manchester	8.1	8.2	0.1	Negligible	Negligible	Not significant
7-C-H213	Grey Mare Lane, Manchester	7.9	8.0	0.1	Negligible	Negligible	Not significant
7-C-H216	Birch Street, Ashton-under-Lyne	9.7	9.8	0.1	Negligible	Negligible	Not significant
7-C-H217	Grey Mare Lane, Manchester	7.9	7.9	< 0.1	Negligible	Negligible	Not significant
7-C-H220	Clayton Lane, Manchester	8.1	8.2	0.1	Negligible	Negligible	Not significant
7-C-H221	Manchester Road, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-C-H222	Ashton New Road, Manchester	8.4	8.4	< 0.1	Negligible	Negligible	Not significant
7-C-H223	Orme Close, Manchester	7.9	7.9	< 0.1	Negligible	Negligible	Not significant
7-C-H224	Ashton New Road, Manchester	8.3	8.3	< 0.1	Negligible	Negligible	Not significant
7-C-H225	Purslow Close, Manchester	7.8	7.8	< 0.1	Negligible	Negligible	Not significant
7-C-H226	Braddon Street, Manchester	8.1	8.1	< 0.1	Negligible	Negligible	Not significant
7-C-H227	Graham Street, Ashton-Under-Lyne	10.4	10.4	< 0.1	Negligible	Negligible	Not significant
7-C-H228	Ashton New Road, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-C-H229	Ashton New Road, Manchester	8.8	8.9	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H230	Broxton Street, Manchester	8.2	8.2	< 0.1	Negligible	Negligible	Not significant
7-C-H232	Bradford Road, Manchester	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-C-H233	The Mews, Manchester	8.3	8.3	< 0.1	Negligible	Negligible	Not significant
7-C-H234	Back Lane, Ashton-Under-Lyne	7.9	7.9	< 0.1	Negligible	Negligible	Not significant
7-C-H235	Back Lane, Littlemoss	9.1	9.2	0.1	Negligible	Negligible	Not significant
7-C-H236	New Oak Close, Failsworth	8.9	8.9	< 0.1	Negligible	Negligible	Not significant
7-C-H237	Roman Road, Oldham	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H238	Roman Road, Oldham	9.7	9.7	< 0.1	Negligible	Negligible	Not significant
7-C-H239	Roman Road, Oldham	10.9	10.9	< 0.1	Negligible	Negligible	Not significant
7-C-H240	Clive Street, Oldham	10.2	10.2	< 0.1	Negligible	Negligible	Not significant
7-C-H241	Bardsley Street, Oldham	9.3	9.4	0.1	Negligible	Negligible	Not significant
7-C-H242	Whitegate End Primary School, Butterworth Lane, Oldham	9.2	9.2	< 0.1	Negligible	Negligible	Not significant
7-C-H243	Chadderton, Oldham	9.8	9.8	< 0.1	Negligible	Negligible	Not significant
7-C-H244	St Margaret Mary Roman Catholic Primary School, St Margaret's Road, Manchester	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-C-H245	St Margaret's Road, Manchester	9.1	9.1	< 0.1	Negligible	Negligible	Not significant
7-C-H246	Broadway, Oldham	10.2	10.2	< 0.1	Negligible	Negligible	Not significant
7-C-H253**	Cranesbill Close, Manchester	7.7	7.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H254**	Bleasdale Road, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H256**	Rowarth Road, Manchester	7.8	7.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H258**	Foxtan Walk, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H259**	Greenbrow Road, Manchester	9.0	9.1	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H260**	Manchester Enterprise Academy (edge of grounds)	8.0	8.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H261**	Manchester Enterprise Academy (edge of grounds)	8.1	8.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H262**	Manchester Enterprise Academy, Simonsway, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H263**	Wensleydale Close, Manchester	7.9	7.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H264**	Newall Road, Manchester	7.6	7.7	0.1	Negligible	Not applicable	Not significant
7-C-H265**	Manchester Enterprise Academy (edge of grounds)	8.9	8.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H266**	Greenbrow Road, Manchester	7.6	7.7	0.1	Negligible	Not applicable	Not significant
7-C-H267**	Greenbrow Road, Manchester	7.6	7.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H269**	Anchors Away Play, Kennett Road, Manchester	9.3	9.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H272**	Tuffley Road, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H273**	St Peters Primary School, Firbank Road, Manchester	9.0	9.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H275**	Newall Green High School, Greenbrow Road, Manchester (edge of grounds)	7.6	7.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H276**	Newall Green High School, Greenbrow Road, Manchester	7.3	7.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H277**	Greenbrow Road, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H278**	Tuffley Road, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H281**	Dobbinetts Lane, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-C-H283**	Greenwood Road, Manchester	9.1	9.2	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H284**	Greenwood Road, Manchester	9.4	9.5	0.1	Negligible	Not applicable	Not significant
7-C-H285**	Highdales Road, Manchester	8.2	8.3	0.1	Negligible	Not applicable	Not significant
7-C-H286**	North West Lung Centre, Southmoor Road, Manchester	7.5	7.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H287**	Firbank Road, Manchester (Nursery)	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H288**	Dunnisher Road, Manchester	8.4	8.5	0.1	Negligible	Not applicable	Not significant
7-C-H289**	Heybrook Road, Manchester	8.7	8.8	0.1	Negligible	Not applicable	Not significant
7-C-H290**	Greenbrow Road, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H291**	Firbank Road, Manchester	8.2	8.3	0.1	Negligible	Not applicable	Not significant
7-C-H293**	Greenbrow Road, Manchester	8.4	8.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H296**	Roundthorn Road, Manchester	7.5	7.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H303**	Pocklington Drive, Manchester	7.9	8.0	0.1	Negligible	Not applicable	Not significant
7-C-H305**	Altrincham Road, Manchester	7.9	7.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H307**	Altrincham Road, Manchester	8.0	8.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H310**	Pocklington Drive, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-C-H311**	Churchstoke Walk, Manchester	7.9	8.0	0.1	Negligible	Not applicable	Not significant
7-C-H313**	Altrincham Road, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H314**	Arden Lodge Road, Manchester	8.2	8.3	0.1	Negligible	Not applicable	Not significant
7-C-H315**	Rookwood Avenue, Manchester	8.0	8.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H317**	Wythenshawe Road, Manchester	9.3	9.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H318**	Stockport Road, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H319**	Moseley Road, Manchester	8.9	9.0	0.1	Negligible	Not applicable	Not significant
7-C-H320**	Kingsway, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H321**	Wilbraham Road Manchester	8.6	8.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H322**	Wilbraham Road, Manchester	8.9	8.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H323**	Birchfields Road, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H324**	Stockport Road, Manchester	9.9	9.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H325**	Stockport Road, Manchester	9.7	9.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H326**	Windsor Road, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H327**	Stockport Road, Manchester	9.2	9.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H328**	Slade Lane, Manchester	9.0	9.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H329**	Seymour Street, Manchester	10.5	10.6	0.1	Negligible	Not applicable	Not significant
7-C-H330**	Fairway Court, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H331**	Stockport Road, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H332**	Manchester Road, Manchester	9.0	9.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H333**	Ashworth Street, Manchester	9.3	9.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H334**	Manchester Road, Manchester	9.7	9.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H335**	Reddish Lane, Manchester	9.6	9.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H336**	Woodland Road, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H337**	Taylor Lane, Manchester	9.6	9.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H338**	Denton Community College (edge of school grounds)	9.8	9.9	0.1	Negligible	Not applicable	Not significant
7-C-H339**	Denton Community College, Egerton Street, Manchester	9.2	9.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H340**	Ashton Road, Manchester	9.5	9.6	0.1	Negligible	Not applicable	Not significant
7-C-H341**	Stockport Road, Manchester	8.9	8.9	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H342**	Newton Avenue Care Home, Manchester	9.6	9.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H343**	New Bank Street, Manchester	9.0	9.1	0.1	Negligible	Not applicable	Not significant
7-C-H344**	New Bank Street, Manchester	9.0	9.1	0.1	Negligible	Not applicable	Not significant
7-C-H345**	Plymouth Grove, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H346**	Toll Gate Close, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H347**	Kirkmanshulme Lane, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H349**	Kirkmanshulme Lane, Manchester	8.9	8.9	< 0.1	Negligible	Not applicable	Not significant
7-C-H350**	Hyde Road, Manchester	10.1	10.2	0.1	Negligible	Not applicable	Not significant
7-C-H351**	Ashton Road, Manchester	9.4	9.5	0.1	Negligible	Not applicable	Not significant
7-C-H354**	Plymouth Grove, Manchester	8.4	8.5	0.1	Negligible	Not applicable	Not significant
7-C-H355**	Ellen Wilkinson Crescent, Manchester	8.4	8.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H356**	Hyde Road, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H357**	Hyde Road, Manchester	9.0	9.1	0.1	Negligible	Not applicable	Not significant
7-C-H358**	Mansfield Avenue, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H359**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	8.4	8.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H360**	Lockhart Close, Manchester	8.2	8.2	< 0.1	Negligible	Not applicable	Not significant
7-C-H361**	Heptonstall Walk, Manchester	8.8	8.9	0.1	Negligible	Not applicable	Not significant
7-C-H362**	Hampden Crescent, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H363**	Dean Trust Ardwick School, Stockport Road, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H364**	Wellington Street, Manchester	9.2	9.2	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H365**	Chapman Street, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H366**	Ashton Road, Manchester	10.3	10.4	0.1	Negligible	Not applicable	Not significant
7-C-H367**	Plymouth Grove, Manchester	8.6	8.7	0.1	Negligible	Not applicable	Not significant
7-C-H368**	St Luke's CoE Primary School, Langport Avenue	8.1	8.1	< 0.1	Negligible	Not applicable	Not significant
7-C-H369**	Hyde Road, Manchester	9.1	9.2	0.1	Negligible	Not applicable	Not significant
7-C-H370**	Belle Vue Street, Manchester	9.2	9.3	0.1	Negligible	Not applicable	Not significant
7-C-H371**	Abbey Hey Lane, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H372**	Richmond Park Centre School, Stockport Road, Manchester	8.4	8.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H374**	Denton Road, Manchester	10.3	10.4	0.1	Negligible	Not applicable	Not significant
7-C-H376**	Stockport Road, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H377**	Field Street, Manchester	8.8	8.9	0.1	Negligible	Not applicable	Not significant
7-C-H378**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	8.6	8.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H379**	Abbey Hey Lane, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H380**	Belle Vue Street, Manchester	8.3	8.4	0.1	Negligible	Not applicable	Not significant
7-C-H381**	Ashlands Drive, Manchester	10.5	10.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H382**	Gorton Lane, Manchester	8.6	8.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H383**	Early Explorers Day Nursery, Hyde Road, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H385**	Gorton Lane, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H386**	Kimbolton Close, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-C-H388**	Kimbolton Close, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2026 without the AP2 revised scheme	2026 with the AP2 revised scheme				
7-C-H393**	Anthony Close, Manchester	7.6	7.6	< 0.1	Negligible	Not applicable	Not significant
7-C-H394**	Guide Lane, Manchester	9.0	9.1	0.1	Negligible	Not applicable	Not significant
7-C-H396**	Scott Gate, Manchester	9.1	9.2	0.1	Negligible	Not applicable	Not significant
7-C-H406**	132579/FO/2021, Merry Kidz Childcare Ltd, Ashton Old Road Manchester	9.0	9.2	0.2	Negligible	Not applicable	Not significant
7-C-H408**	Cycle Street, Manchester	8.4	8.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H409**	Alan Turing Way, Manchester	8.4	8.4	< 0.1	Negligible	Not applicable	Not significant
7-C-H411**	Albert Street, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-C-H413**	Albert Street, Manchester	7.7	7.8	0.1	Negligible	Not applicable	Not significant
7-C-H414**	Albert Street, Manchester	7.7	7.8	0.1	Negligible	Not applicable	Not significant
7-C-H415**	Hassop Close, Manchester	7.7	7.8	0.1	Negligible	Not applicable	Not significant
7-C-H416**	Claybrook Walk, Manchester	8.2	8.3	0.1	Negligible	Not applicable	Not significant
7-C-H417**	Palmerston Street, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-C-H418**	Stockport Road, Ashton-Under-Lyne	9.2	9.3	0.1	Negligible	Not applicable	Not significant
7-C-H419**	North Road, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-C-H421**	Briscoe Lane, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H423**	Ten Acres Lane, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-C-H424**	Briscoe Lane, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-C-H425**	Limerston Drive, Manchester	8.0	8.0	< 0.1	Negligible	Not applicable	Not significant
7-C-H426**	Clever Bees Nursery, Oldham Road, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant
7-C-H427**	Oldham Road, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant

Note: ** Indicates that receptor is new to the SES2 and AP2 ES.

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Table 15: Predicted annual mean of NOx concentrations at ecological sites (construction phase)

Ecological site	Sensitive habitat	Distance to road (m)	NOx concentrations ($\mu\text{g}/\text{m}^3$)		Change in NOx concentrations ($\mu\text{g}/\text{m}^3$)	Comparison against air quality standard ($30\mu\text{g}/\text{m}^3$)	Percent change in relation to air quality standard
			2026 without the AP2 revised scheme	2026 with the AP2 revised scheme			
Holinwood Branch Canal SSSI	Not applicable	34	28.1	28.3	0.2	Within standard	0.7%
	Not applicable	40	27.0	27.2	0.2	Within standard	0.7%
	Not applicable	50	25.6	25.7	0.1	Within standard	0.3%
	Not applicable	75	23.5	23.6	0.1	Within standard	0.3%
	Not applicable	100	22.3	22.4	0.1	Within standard	0.3%
	Not applicable	150	21.0	21.1	0.1	Within standard	0.3%
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (1_1)	Fen, marsh and swamp	4	25.4	25.5	0.1	Within standard	0.3%
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (39_10)	Fen, marsh and swamp	11	30.4	30.7	0.3	Above standard	1.0%
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (42_1)	Fen, marsh and swamp	11	30.9	31.2	0.3	Above standard	1.0%

Table 16: Predicted annual mean of ammonia (NH_3) concentrations at ecological sites (construction phase)

Ecological site	Sensitive habitat	Distance to road (m)	NH_3 concentrations ($\mu\text{g}/\text{m}^3$)		Change in NH_3 concentrations ($\mu\text{g}/\text{m}^3$)	Comparison against critical level ($1\mu\text{g}/\text{m}^3$ for low and $3\mu\text{g}/\text{m}^3$ high vegetation)	Percent change in relation to critical level
			2026 without the AP2 revised scheme	2026 with the AP2 revised scheme			
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (1_1)	Fen, marsh and swamp	4	2.8	2.8	< 0.1	Within standard	0.3%
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (39_10)	Fen, marsh and swamp	11	3.4	3.4	< 0.1	Above standard	0.9%

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Ecological site	Sensitive habitat	Distance to road (m)	NH ₃ concentrations (µg/m ³)		Change in NH ₃ concentrations (µg/m ³)	Comparison against critical level (1µg/m ³ for low and 3µg/m ³ high vegetation)	Percent change in relation to critical level
			2026 without the AP2 revised scheme	2026 with the AP2 revised scheme			
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (42_1)	Fen, marsh and swamp	11	3.3	3.3	< 0.1	Above standard	0.7%

Table 17: Assessment of N deposition with ammonia at ecological sites (construction phase)

Ecological Site	Sensitive habitat	Distance to road (m)	Dry deposition (kg N/ha/yr)		Change in N deposition (kg N/ha/yr)	Lower Critical Load (kg N/ha/yr)	Percent change in relation to lower critical load
			2026 without the AP2 revised scheme	2026 with the AP2 revised scheme			
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (1_1)	Fen, marsh and swamp	4	27.1	27.2	0.1	3	1.9%
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (39_10)	Fen, marsh and swamp	11	30.6	30.7	0.1	3	5.2%
Rochdale Canal SSSI and SAC: M60 Junction 21 to 20 (42_1)	Fen, marsh and swamp	11	29.8	29.9	0.1	3	4.5%

- 4.3.10 The annual mean NO₂, PM₁₀ and PM_{2.5} concentrations are predicted to be within the air quality standards during construction of the AP2 revised scheme. Since the annual mean NO₂ concentrations are predicted to be well below 60µg/m³, the hourly mean standard is also expected to be met. Similarly, since the annual mean PM₁₀ concentrations are predicted to be below 35µg/m³, the daily mean standard is also expected to be met.
- 4.3.11 Negligible impacts are predicted at all human receptors in the area for annual mean NO₂, PM₁₀ and PM_{2.5} concentrations.
- 4.3.12 NO_x concentrations at Holinwood Branch Canal SSSI are predicted to be within the air quality standard, both without and with the AP2 revised scheme. NO_x concentrations at Rochdale Canal SSSI and SAC are predicted to be above the air quality standard, both without and with the AP2 revised scheme at 1m from the road. The changes in NO_x concentrations are equal to 1% of the air quality standard or less at both Holinwood Branch Canal SSSI and Rochdale Canal SSSI and SAC.
- 4.3.13 NH₃ concentrations at Rochdale Canal SSSI and SAC are predicted to be above the relevant critical level, both without and with the AP2 revised scheme at 11m from the road, and the changes in NH₃ concentrations are less than 1% of the air quality critical level. Holinwood Branch Canal SSSI is not sensitive to nitrogen deposition and is therefore not sensitive to NH₃.
- 4.3.14 The change in nitrogen deposition due to the AP2 revised scheme at Rochdale Canal SSSI and SAC is predicted to be greater than 1% of the lower critical load at 4m and 11m from the road. Holinwood Branch Canal SSSI is not sensitive to nitrogen deposition.

Assessment of significance

- 4.3.15 No significant effects are anticipated at any receptors in relation to annual mean NO₂, PM₁₀ or PM_{2.5} concentrations.
- 4.3.16 There are no new or different significant effects from the construction of the AP2 revised scheme compared to the main ES for human receptors.
- 4.3.17 Since the change in NO_x concentrations is predicted to be equal to 1% or less of the air quality standard, no significant effects are predicted at Holinwood Branch Canal SSSI and Rochdale Canal SSSI and SAC site due to NO_x concentrations.
- 4.3.18 Since the change in NH₃ concentrations are predicted to be less than 1% of the air quality critical level, no significant effects are predicted to occur at Rochdale Canal SSSI and SAC due to NH₃ concentrations.
- 4.3.19 Since the change in nitrogen deposition is predicted to be greater than 1% of the lower critical load, there is the potential for significant effects to occur at Rochdale Canal SSSI and SAC at 4m and 11m from the road due to nitrogen deposition.
- 4.3.20 There are no new or different significant effects from the construction of the AP2 revised scheme compared to the main ES for ecological receptors.

4.4 Assessment of operational traffic emissions

Operational traffic model

- 4.4.1 For the assessment of traffic on the highway network, data for the year 2039 were used as the operational year of the AP2 revised scheme.

Screening of traffic data

- 4.4.2 The screening process identified 131 roads in the Davenport Green to Ardwick (MA07) community area exceeding the thresholds for changes in AADT or daily HDV flows and/or changes in road alignment by 5m or more. These roads include:

- the M56 J3A to the M56 J5;
- the M60 J23 to J24;
- the A6 Stockport Road;
- the A57 Hyde Road;
- the A62 Oldham Road;
- the A555 Ringway Road West;
- the A560 Altrincham Road;
- the A635 Ashton Old Road;
- the A665 Devonshire Street;
- the A5103 Princess Parkway; and
- the A6010 Alan Turing Way/Hulme Hall Lane/Pottery Lane/Wilbraham Road.

- 4.4.3 Further roads have been included in the assessment to account for their emissions at nearby receptors.

Receptors assessed and background concentrations

- 4.4.4 Details of the assessed receptors and the background concentrations used in the assessment remain as reported within the main ES, Volume 5, Appendix: AQ-001-0MA07. There were 14 human receptors modelled in the main ES that have not been modelled as part of the AP2 revised scheme and 59 human receptors have been added due to changes in the study area. Details of the assessed human receptors and the background concentrations used in the assessment are shown in Table 18. The location of all receptors is shown in the accompanying SES2 and AP2 ES, Volume 5, Air quality Map Book: Map Series AQ-01 – Air Quality Monitoring Locations and Receptors.
- 4.4.5 There are no designated ecological sites within 200m of the screened in roads within the Davenport Green to Ardwick (MA07) community area of the AP2 revised scheme.

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Table 18: Modelled human receptors and background concentrations (operational phase)

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2039 (µg/m³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-O-H004	Newall Road, Wythenshawe	380731, 387196	16.6	12.3	10.5	7.0
7-O-H008	Wythenshawe Hospital, Southmoor Road, Manchester	380491, 387858	16.6	12.3	10.5	7.0
7-O-H009	Wythenshawe Hospital, Southmoor Road, Manchester	380405, 388125	17.3	12.8	10.7	7.2
7-O-H010	Fouracres Road, Manchester	380964, 388354	17.3	12.8	10.7	7.2
7-O-H011	Banbury Road, Manchester	380925, 388400	17.3	12.8	10.7	7.2
7-O-H012	Greenwood Road, Wythenshawe	382092, 388429	16.0	11.9	13.1	8.5
7-O-H013	Roundthorn Road, Manchester	380833, 388570	17.3	12.8	10.7	7.2
7-O-H014	Benchill Primary School, Benchill Road, Wythenshawe	382224, 388608	16.0	11.9	13.1	8.5
7-O-H015	Partridge Avenue, Wythenshawe	382100, 388750	16.0	11.9	13.1	8.5
7-O-H016	Parkwood Road, Manchester	382163, 389295	18.2	13.4	12.8	8.3
7-O-H017	Beechpark Avenue, Wythenshawe	382277, 389358	18.2	13.4	12.8	8.3
7-O-H024	Lawnswood Road, Manchester	387047, 396567	18.0	13.2	12.1	8.1
7-O-H025	Early Explorers Day Nursery, Hyde Road, Manchester	385837, 396885	21.1	15.1	12.0	7.9
7-O-H026	Cosgrove House, Wenlock Way, Manchester	387175, 396943	18.0	13.2	12.1	8.1
7-O-H027	The Manchester College, Nicholls Campus, Hyde Road, Ardwick	385757, 396952	21.1	15.1	12.0	7.9
7-O-H028	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	387225, 396982	18.0	13.2	12.1	8.1
7-O-H029	Regent Court, Wenlock Way, Manchester	387182, 396998	18.0	13.2	12.1	8.1
7-O-H030	Regent Court, Wenlock Way, Manchester	387187, 397040	19.5	14.1	11.8	7.9
7-O-H031	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	387222, 397043	19.5	14.1	11.8	7.9
7-O-H034	Ashton Old Road, Tameside	388422, 397387	18.7	13.6	11.7	7.9
7-O-H035	Bridge College, Openshaw Campus, Whitworth Street, Manchester	387267, 397390	19.5	14.1	11.8	7.9

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement
SES2 and AP2 ES Volume 5, Appendix: AQ-001-OMA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2039 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-O-H036	Ashton Old Road, Tameside	388362, 397392	18.7	13.6	11.7	7.9
7-O-H037	Turing Close, Openshaw	387228, 397537	19.5	14.1	11.8	7.9
7-O-H038	Connell Sixth Form College, 301 Alan Turing Way, Manchester	387298, 397920	19.5	14.1	11.8	7.9
7-O-H039	The East Manchester Academy, 60 Grey Mare Lane, Manchester	387070, 397930	19.5	14.1	11.8	7.9
7-O-H040	St Brigid's Primary School, Manchester	387113, 397953	19.5	14.1	11.8	7.9
7-O-H041	Grey Mare Lane, Manchester	387049, 398078	21.2	15.2	11.5	7.7
7-O-H042	Broxton Street, Manchester	386514, 399221	21.6	15.4	11.8	7.7
7-O-H043	Bradford Road, Manchester	386547, 399274	21.6	15.4	11.8	7.7
7-O-H044	The Mews, Manchester	386578, 399317	21.6	15.4	11.8	7.7
7-O-H045	Limerston Drive, Manchester	387041, 400340	18.6	13.6	11.6	7.8
7-O-H046	Clever Bees Nursery Ltd, 749-753 Oldham Road, Manchester	386902, 400357	18.4	13.4	11.5	7.6
7-O-H047	Oldham Road, Manchester	386924, 400369	18.4	13.4	11.5	7.6
7-O-H048**	Newlyn, Ringway Road, Manchester	383378, 385337	18.6	13.5	9.6	6.5
7-O-H049**	Rowarth Road, Manchester	381222, 386799	23.3	16.6	12.6	8.1
7-O-H050**	Hurst Walk, Manchester	381483, 386937	23.3	16.6	12.6	8.1
7-O-H051**	Foxtan Walk, Manchester	381225, 386952	23.3	16.6	12.6	8.1
7-O-H052**	Greenbrow Road, Manchester	381211, 386979	23.3	16.6	12.6	8.1
7-O-H053**	Wensleydale Close, Manchester	380908, 387128	16.6	12.3	10.5	7.0
7-O-H054**	Newall Road, Manchester	380843, 387131	16.6	12.3	10.5	7.0
7-O-H055**	Greenbrow Road, Manchester	380904, 387161	16.6	12.3	10.5	7.0
7-O-H056**	Greenbrow Road, Manchester	380891, 387192	16.6	12.3	10.5	7.0
7-O-H057**	Peterswood Close, Manchester	381692, 387328	16.3	12.1	12.8	8.3
7-O-H058**	Tuffley Road, Manchester	381351, 387332	16.3	12.1	12.8	8.3
7-O-H059**	Greenbrow Road, Manchester	381021, 387508	16.3	12.1	12.8	8.3

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement
SES2 and AP2 ES Volume 5, Appendix: AQ-001-OMA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2039 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-O-H060**	Tuffley Road, Manchester	381050, 387528	16.3	12.1	12.8	8.3
7-O-H061**	Piper Hill High School, Firbank Road	381624, 387590	16.3	12.1	12.8	8.3
7-O-H062**	Shawbury Road, Manchester	381698, 387644	16.3	12.1	12.8	8.3
7-O-H063**	Dobbinetts Lane, Manchester	380253, 387712	16.6	12.3	10.5	7.0
7-O-H064**	North West Lung Centre, Southmoor Road, Manchester	380631, 388151	17.3	12.8	10.7	7.2
7-O-H065**	Calderbeck Way, Manchester	383344, 388757	18.4	13.5	12.6	8.2
7-O-H066**	Floatshall Road, Manchester	380713, 388794	17.3	12.8	10.7	7.2
7-O-H067**	Beech House, Lauriston Close, Manchester	383027, 388816	18.4	13.5	12.6	8.2
7-O-H068**	Crossgate Avenue, Manchester	382663, 388957	16.0	11.9	13.1	8.5
7-O-H069**	Pocklington Drive, Manchester	380528, 389277	14.8	11.1	11.0	7.3
7-O-H070**	Altrincham Road, Manchester	380814, 389330	14.8	11.1	11.0	7.3
7-O-H071**	Altrincham Road, Altrincham	380668, 389336	14.8	11.1	11.0	7.3
7-O-H072**	Altrincham Road, Manchester	379926, 389357	14.2	10.7	10.9	7.4
7-O-H073**	Altrincham Road, Altrincham	381363, 389358	14.8	11.1	10.9	7.3
7-O-H074**	Pocklington Drive, Manchester	380552, 389358	14.8	11.1	11.0	7.3
7-O-H075**	Churchstoke Walk, Manchester	380093, 389364	14.8	11.1	11.0	7.3
7-O-H076**	Yarwood Avenue, Altrincham	380738, 389378	14.8	11.1	11.0	7.3
7-O-H077**	Maybank House Retirement Home, Altrincham Road Manchester	379937, 389399	14.2	10.7	10.9	7.4
7-O-H078**	Arden Lodge Road, Manchester	380070, 389400	14.8	11.1	11.0	7.3
7-O-H079**	Wilbraham Road, Manchester	383905, 394050	16.9	12.5	11.7	7.9
7-O-H080**	St Kentigerns RC Primary School, Bethnall Drive, Manchester	384375, 394052	16.2	12.0	12.0	8.2

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2039 ($\mu\text{g}/\text{m}^3$)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-O-H081**	Wilbraham Road, Manchester	384231, 394076	16.2	12.0	12.0	8.2
7-O-H082**	Wilbraham Road, Manchester	383902, 394087	16.9	12.5	11.7	7.9
7-O-H083**	Wilbraham Road, Manchester	384739, 394101	16.2	12.0	12.0	8.2
7-O-H084**	Lloyd Street South, Manchester	384182, 394106	16.2	12.0	12.0	8.2
7-O-H085**	Wilbraham Road, Manchester	384738, 394141	16.2	12.0	12.0	8.2
7-O-H086**	Stockport Road, Manchester	386590, 395834	18.9	13.8	12.3	8.2
7-O-H087**	Newton Avenue Care Home, Manchester	386588, 395874	18.9	13.8	12.3	8.2
7-O-H088**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	386275, 396154	18.5	13.5	11.7	7.8
7-O-H089**	Dean Trust Ardwick School, Stockport Road, Manchester	386167, 396264	18.5	13.5	11.7	7.8
7-O-H090**	St Luke's CoE Primary School, Langport Avenue	386124, 396356	18.5	13.5	11.7	7.8
7-O-H091**	Richmond Park Centre School, Stockport Road, Manchester	385964, 396464	21.1	15.1	12.0	7.9
7-O-H092**	Stockport Road, Manchester	385750, 396620	21.1	15.1	12.0	7.9
7-O-H093**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	385710, 396689	21.1	15.1	12.0	7.9
7-O-H094**	Trafalgar Avenue, Audenshaw	391320, 397343	19.0	13.9	13.7	8.8
7-O-H095**	Spring Bank Avenue, Audenshaw	391506, 397373	19.0	13.9	13.7	8.8
7-O-H096**	Ashton Old Road, Manchester	388200, 397426	18.7	13.6	11.7	7.9
7-O-H097**	Falconwood Way, Manchester	387107, 397539	19.5	14.1	11.8	7.9
7-O-H098**	Turing Court, Manchester	387222, 397552	19.5	14.1	11.8	7.9
7-O-H099**	Oak House Surgery, Pottery Lane, Manchester	387208, 397691	19.5	14.1	11.8	7.9
7-O-H100**	Churchfield Walk, Manchester	387247, 397697	19.5	14.1	11.8	7.9
7-O-H101**	Albert Street, Manchester	386902, 398023	19.6	14.2	11.6	7.6

Receptor	Description/Location	Ordnance Survey coordinates	Background concentrations in 2039 (µg/m ³)			
			NO _x	NO ₂	PM ₁₀	PM _{2.5}
7-O-H102**	Albert Street, Manchester	386572, 398121	19.6	14.2	11.6	7.6
7-O-H103**	Albert Street, Manchester	386518, 398129	19.6	14.2	11.6	7.6
7-O-H104**	Hassop Close, Manchester	386375, 398229	19.6	14.2	11.6	7.6
7-O-H105**	Claybrook Walk, Manchester	387153, 398241	21.2	15.2	11.5	7.7
7-O-H106**	All Saints Bungalow, Palmerston Street, Manchester	386150, 398277	19.6	14.2	11.6	7.6

Note: ** Indicates that receptor is new to the SES2 and AP2 ES.

Assessment results

4.4.6 Table 19 to Table 21 provide the summary of the modelled pollutant concentrations for the assessed human receptors. The magnitude of change and impact descriptor are provided along with a comparison against the main ES. These were derived following the IAQM/EPUK methodology⁸.

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Table 19: Predicted annual mean NO₂ concentrations and impacts (operation phase)

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H004	Newall Road, Wythenshawe	14.7	14.6	-0.1	Negligible	Negligible	Not significant
7-O-H008	Wythenshawe Hospital, Southmoor Road, Manchester	13.1	13.1	< 0.1	Negligible	Negligible	Not significant
7-O-H009	Wythenshawe Hospital, Southmoor Road, Manchester	13.9	14.1	0.2	Negligible	Negligible	Not significant
7-O-H010	Fouracres Road, Manchester	14.1	14.1	< 0.1	Negligible	Negligible	Not significant
7-O-H011	Banbury Road, Manchester	14.5	14.7	0.2	Negligible	Negligible	Not significant
7-O-H012	Greenwood Road, Wythenshawe	15.2	15.1	-0.1	Negligible	Negligible	Not significant
7-O-H013	Roundthorn Road, Manchester	13.6	13.7	0.1	Negligible	Negligible	Not significant
7-O-H014	Benchill Primary School, Benchill Road, Wythenshawe	14.4	14.3	-0.1	Negligible	Negligible	Not significant
7-O-H015	Partridge Avenue, Wythenshawe	16.1	16.1	< 0.1	Negligible	Negligible	Not significant
7-O-H016	Parkwood Road, Manchester	18.1	18.1	< 0.1	Negligible	Negligible	Not significant
7-O-H017	Beechpark Avenue, Wythenshawe	17.7	17.7	< 0.1	Negligible	Negligible	Not significant
7-O-H024	Lawnswood Road, Manchester	16.4	16.5	0.1	Negligible	Negligible	Not significant
7-O-H025	Early Explorers Day Nursery, Hyde Road, Manchester	17.0	17.0	< 0.1	Negligible	Negligible	Not significant
7-O-H026	Cosgrove House, Wenlock Way, Manchester	16.2	16.5	0.3	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H027	The Manchester College, Nicholls Campus, Hyde Road, Ardwick	18.3	18.2	-0.1	Negligible	Negligible	Not significant
7-O-H028	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	16.2	16.4	0.2	Negligible	Negligible	Not significant
7-O-H029	Regent Court, Wenlock Way, Manchester	17.2	17.5	0.3	Negligible	Negligible	Not significant
7-O-H030	Regent Court, Wenlock Way, Manchester	17.8	18.0	0.2	Negligible	Negligible	Not significant
7-O-H031	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	16.6	16.8	0.2	Negligible	Negligible	Not significant
7-O-H034	Ashton Old Road, Tameside	16.1	16.0	-0.1	Negligible	Negligible	Not significant
7-O-H035	Bridge College, Openshaw Campus, Whitworth Street, Manchester	15.0	15.1	0.1	Negligible	Negligible	Not significant
7-O-H036	Ashton Old Road, Tameside	16.2	16.2	< 0.1	Negligible	Negligible	Not significant
7-O-H037	Turing Close, Openshaw	17.0	17.1	0.1	Negligible	Negligible	Not significant
7-O-H038	Connell Sixth Form College, 301 Alan Turing Way, Manchester	15.5	15.7	0.2	Negligible	Negligible	Not significant
7-O-H039	The East Manchester Academy, 60 Grey Mare Lane, Manchester	14.7	14.7	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H040	St Brigid's Primary School, Manchester	14.9	15.0	0.1	Negligible	Negligible	Not significant
7-O-H041	Grey Mare Lane, Manchester	15.7	15.9	0.2	Negligible	Negligible	Not significant
7-O-H042	Broxton Street, Manchester	17.0	16.7	-0.3	Negligible	Negligible	Not significant
7-O-H043	Bradford Road, Manchester	18.1	17.6	-0.5	Negligible	Negligible	Not significant
7-O-H044	The Mews, Manchester	17.3	17.1	-0.2	Negligible	Negligible	Not significant
7-O-H045	Limerston Drive, Manchester	14.1	14.1	< 0.1	Negligible	Negligible	Not significant
7-O-H046	Clever Bees Nursery Ltd, 749-753 Oldham Road, Manchester	16.9	16.8	-0.1	Negligible	Negligible	Not significant
7-O-H047	Oldham Road, Manchester	16.9	16.8	-0.1	Negligible	Negligible	Not significant
7-O-H048**	Newlyn, Ringway Road, Manchester	15.6	15.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H049**	Rowarth Road, Manchester	22.0	21.9	-0.1	Negligible	Not applicable	Not significant
7-O-H050**	Hurst Walk, Manchester	19.9	19.9	< 0.1	Negligible	Not applicable	Not significant
7-O-H051**	Foxtton Walk, Manchester	19.2	19.3	0.1	Negligible	Not applicable	Not significant
7-O-H052**	Greenbrow Road, Manchester	19.7	20.0	0.3	Negligible	Not applicable	Not significant
7-O-H053**	Wensleydale Close, Manchester	14.9	15.0	0.1	Negligible	Not applicable	Not significant
7-O-H054**	Newall Road, Manchester	14.2	14.1	-0.1	Negligible	Not applicable	Not significant
7-O-H055**	Greenbrow Road, Manchester	14.2	14.1	-0.1	Negligible	Not applicable	Not significant
7-O-H056**	Greenbrow Road, Manchester	14.0	13.8	-0.2	Negligible	Not applicable	Not significant
7-O-H057**	Peterswood Close, Manchester	16.6	16.7	0.1	Negligible	Not applicable	Not significant
7-O-H058**	Tuffley Road, Manchester	14.9	14.4	-0.5	Negligible	Not applicable	Not significant
7-O-H059**	Greenbrow Road, Manchester	13.5	13.1	-0.4	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H060**	Tuffley Road, Manchester	13.7	13.2	-0.5	Negligible	Not applicable	Not significant
7-O-H061**	Piper Hill High School, Firbank Road	15.1	15.1	< 0.1	Negligible	Not applicable	Not significant
7-O-H062**	Shawbury Road, Manchester	18.0	17.9	-0.1	Negligible	Not applicable	Not significant
7-O-H063**	Dobbinetts Lane, Manchester	14.6	14.9	0.3	Negligible	Not applicable	Not significant
7-O-H064**	North West Lung Centre, Southmoor Road, Manchester	13.5	13.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H065**	Calderbeck Way, Manchester	16.3	16.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H066**	Floatshall Road, Manchester	13.6	13.8	0.2	Negligible	Not applicable	Not significant
7-O-H067**	Beech House, Lauriston Close, Manchester	16.8	16.7	-0.1	Negligible	Not applicable	Not significant
7-O-H068**	Crossgate Avenue, Manchester	15.2	15.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H069**	Pocklington Drive, Manchester	13.1	13.2	0.1	Negligible	Not applicable	Not significant
7-O-H070**	Altrincham Road, Manchester	12.8	12.9	0.1	Negligible	Not applicable	Not significant
7-O-H071**	Altrincham Road, Altrincham	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-O-H072**	Altrincham Road, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-O-H073**	Altrincham Road, Altrincham	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-O-H074**	Pocklington Drive, Manchester	12.7	12.8	0.1	Negligible	Not applicable	Not significant
7-O-H075**	Churchstoke Walk, Manchester	13.0	13.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H076**	Yarwood Avenue, Altrincham	12.6	12.7	0.1	Negligible	Not applicable	Not significant
7-O-H077**	Maybank House Retirement Home, Altrincham Road Manchester	13.7	13.8	0.1	Negligible	Not applicable	Not significant
7-O-H078**	Arden Lodge Road, Manchester	14.0	14.1	0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H079**	Wilbraham Road, Manchester	15.2	15.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H080**	St Kentigerns RC Primary School, Bethnall Drive, Manchester	12.4	12.4	< 0.1	Negligible	Not applicable	Not significant
7-O-H081**	Wilbraham Road, Manchester	13.1	13.0	-0.1	Negligible	Not applicable	Not significant
7-O-H082**	Wilbraham Road, Manchester	16.1	16.0	-0.1	Negligible	Not applicable	Not significant
7-O-H083**	Wilbraham Road, Manchester	13.4	13.3	-0.1	Negligible	Not applicable	Not significant
7-O-H084**	Lloyd Street South, Manchester	13.9	13.8	-0.1	Negligible	Not applicable	Not significant
7-O-H085**	Wilbraham Road, Manchester	14.4	14.3	-0.1	Negligible	Not applicable	Not significant
7-O-H086**	Stockport Road, Manchester	15.9	15.8	-0.1	Negligible	Not applicable	Not significant
7-O-H087**	Newton Avenue Care Home, Manchester	18.2	18.0	-0.2	Negligible	Not applicable	Not significant
7-O-H088**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	15.4	15.2	-0.2	Negligible	Not applicable	Not significant
7-O-H089**	Dean Trust Ardwick School, Stockport Road, Manchester	15.0	14.9	-0.1	Negligible	Not applicable	Not significant
7-O-H090**	St Luke's CoE Primary School, Langport Avenue	14.2	14.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H091**	Richmond Park Centre School, Stockport Road, Manchester	16.4	16.3	-0.1	Negligible	Not applicable	Not significant
7-O-H092**	Stockport Road, Manchester	16.8	16.7	-0.1	Negligible	Not applicable	Not significant
7-O-H093**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	17.3	17.1	-0.2	Negligible	Not applicable	Not significant
7-O-H094**	Trafalgar Avenue, Audenshaw	19.6	19.6	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	NO ₂ concentrations (µg/m ³)		Change in NO ₂ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H095**	Spring Bank Avenue, Audenshaw	16.1	16.1	< 0.1	Negligible	Not applicable	Not significant
7-O-H096**	Ashton Old Road, Manchester	17.8	17.6	-0.2	Negligible	Not applicable	Not significant
7-O-H097**	Falconwood Way, Manchester	16.3	16.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H098**	Turing Court, Manchester	16.7	16.9	0.2	Negligible	Not applicable	Not significant
7-O-H099**	Oak House Surgery, Pottery Lane, Manchester	17.7	18.0	0.3	Negligible	Not applicable	Not significant
7-O-H100**	Churchfield Walk, Manchester	16.4	16.6	0.2	Negligible	Not applicable	Not significant
7-O-H101**	Albert Street, Manchester	14.6	14.9	0.3	Negligible	Not applicable	Not significant
7-O-H102**	Albert Street, Manchester	14.6	14.8	0.2	Negligible	Not applicable	Not significant
7-O-H103**	Albert Street, Manchester	14.5	14.7	0.2	Negligible	Not applicable	Not significant
7-O-H104**	Hassop Close, Manchester	14.5	14.7	0.2	Negligible	Not applicable	Not significant
7-O-H105**	Claybrook Walk, Manchester	16.8	16.9	0.1	Negligible	Not applicable	Not significant
7-O-H106**	All Saints Bungalow, Palmerston Street, Manchester	14.7	14.9	0.2	Negligible	Not applicable	Not significant

Note: ** Indicates that receptor is new to the SES2 and AP2 ES.

Table 20: Predicted annual mean PM₁₀ concentrations and impacts (operation phase)

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H004	Newall Road, Wythenshawe	11.9	11.8	-0.1	Negligible	Negligible	Not significant
7-O-H008	Wythenshawe Hospital, Southmoor Road, Manchester	11.0	11.0	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H009	Wythenshawe Hospital, Southmoor Road, Manchester	11.3	11.4	0.1	Negligible	Negligible	Not significant
7-O-H010	Fouracres Road, Manchester	11.4	11.4	< 0.1	Negligible	Negligible	Not significant
7-O-H011	Banbury Road, Manchester	11.6	11.7	0.1	Negligible	Negligible	Not significant
7-O-H012	Greenwood Road, Wythenshawe	14.4	14.4	< 0.1	Negligible	Negligible	Not significant
7-O-H013	Roundthorn Road, Manchester	11.1	11.2	0.1	Negligible	Negligible	Not significant
7-O-H014	Benchill Primary School, Benchill Road, Wythenshawe	14.0	14.0	< 0.1	Negligible	Negligible	Not significant
7-O-H015	Partridge Avenue, Wythenshawe	14.6	14.6	< 0.1	Negligible	Negligible	Not significant
7-O-H016	Parkwood Road, Manchester	14.8	14.8	< 0.1	Negligible	Negligible	Not significant
7-O-H017	Beechpark Avenue, Wythenshawe	14.4	14.4	< 0.1	Negligible	Negligible	Not significant
7-O-H024	Lawnswood Road, Manchester	13.8	13.9	0.1	Negligible	Negligible	Not significant
7-O-H025	Early Explorers Day Nursery, Hyde Road, Manchester	13.0	13.0	< 0.1	Negligible	Negligible	Not significant
7-O-H026	Cosgrove House, Wenlock Way, Manchester	13.7	13.8	0.1	Negligible	Negligible	Not significant
7-O-H027	The Manchester College, Nicholls Campus, Hyde Road, Ardwick	13.6	13.6	< 0.1	Negligible	Negligible	Not significant
7-O-H028	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street	13.7	13.8	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
	And Polesworth Close Manchester						
7-O-H029	Regent Court, Wenlock Way, Manchester	14.3	14.4	0.1	Negligible	Negligible	Not significant
7-O-H030	Regent Court, Wenlock Way, Manchester	13.8	13.9	0.1	Negligible	Negligible	Not significant
7-O-H031	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	13.2	13.2	< 0.1	Negligible	Negligible	Not significant
7-O-H034	Ashton Old Road, Tameside	12.9	12.9	< 0.1	Negligible	Negligible	Not significant
7-O-H035	Bridge College, Openshaw Campus, Whitworth Street, Manchester	12.3	12.3	< 0.1	Negligible	Negligible	Not significant
7-O-H036	Ashton Old Road, Tameside	13.0	13.0	< 0.1	Negligible	Negligible	Not significant
7-O-H037	Turing Close, Openshaw	13.3	13.4	0.1	Negligible	Negligible	Not significant
7-O-H038	Connell Sixth Form College, 301 Alan Turing Way, Manchester	12.6	12.7	0.1	Negligible	Negligible	Not significant
7-O-H039	The East Manchester Academy, 60 Grey Mare Lane, Manchester	12.1	12.1	< 0.1	Negligible	Negligible	Not significant
7-O-H040	St Brigid's Primary School, Manchester	12.2	12.3	0.1	Negligible	Negligible	Not significant
7-O-H041	Grey Mare Lane, Manchester	11.9	12.0	0.1	Negligible	Negligible	Not significant
7-O-H042	Broxton Street, Manchester	12.7	12.5	-0.2	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H043	Bradford Road, Manchester	13.3	13.0	-0.3	Negligible	Negligible	Not significant
7-O-H044	The Mews, Manchester	12.7	12.6	-0.1	Negligible	Negligible	Not significant
7-O-H045	Limerston Drive, Manchester	11.9	11.9	< 0.1	Negligible	Negligible	Not significant
7-O-H046	Clever Bees Nursery Ltd, 749-753 Oldham Road, Manchester	13.5	13.4	-0.1	Negligible	Negligible	Not significant
7-O-H047	Oldham Road, Manchester	13.5	13.4	-0.1	Negligible	Negligible	Not significant
7-O-H048**	Newlyn, Ringway Road, Manchester	11.0	11.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H049**	Rowarth Road, Manchester	14.4	14.4	< 0.1	Negligible	Not applicable	Not significant
7-O-H050**	Hurst Walk, Manchester	13.7	13.7	< 0.1	Negligible	Not applicable	Not significant
7-O-H051**	Foxtan Walk, Manchester	13.7	13.8	0.1	Negligible	Not applicable	Not significant
7-O-H052**	Greenbrow Road, Manchester	14.0	14.2	0.2	Negligible	Not applicable	Not significant
7-O-H053**	Wensleydale Close, Manchester	12.0	12.1	0.1	Negligible	Not applicable	Not significant
7-O-H054**	Newall Road, Manchester	11.5	11.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H055**	Greenbrow Road, Manchester	11.5	11.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H056**	Greenbrow Road, Manchester	11.4	11.3	-0.1	Negligible	Not applicable	Not significant
7-O-H057**	Peterswood Close, Manchester	14.5	14.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H058**	Tuffley Road, Manchester	14.1	13.8	-0.3	Negligible	Not applicable	Not significant
7-O-H059**	Greenbrow Road, Manchester	13.5	13.2	-0.3	Negligible	Not applicable	Not significant
7-O-H060**	Tuffley Road, Manchester	13.6	13.3	-0.3	Negligible	Not applicable	Not significant
7-O-H061**	Piper Hill High School, Firbank Road	13.9	13.9	< 0.1	Negligible	Not applicable	Not significant
7-O-H062**	Shawbury Road, Manchester	15.1	15.0	-0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H063**	Dobbinetts Lane, Manchester	11.9	12.1	0.2	Negligible	Not applicable	Not significant
7-O-H064**	North West Lung Centre, Southmoor Road, Manchester	11.1	11.1	< 0.1	Negligible	Not applicable	Not significant
7-O-H065**	Calderbeck Way, Manchester	13.6	13.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H066**	Floatshall Road, Manchester	11.1	11.2	0.1	Negligible	Not applicable	Not significant
7-O-H067**	Beech House, Lauriston Close, Manchester	14.0	14.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H068**	Crossgate Avenue, Manchester	14.5	14.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H069**	Pocklington Drive, Manchester	12.0	12.1	0.1	Negligible	Not applicable	Not significant
7-O-H070**	Altrincham Road, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant
7-O-H071**	Altrincham Road, Altrincham	11.7	11.8	0.1	Negligible	Not applicable	Not significant
7-O-H072**	Altrincham Road, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant
7-O-H073**	Altrincham Road, Altrincham	11.7	11.7	< 0.1	Negligible	Not applicable	Not significant
7-O-H074**	Pocklington Drive, Manchester	11.8	11.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H075**	Churchstoke Walk, Manchester	12.0	12.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H076**	Yarwood Avenue, Altrincham	11.8	11.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H077**	Maybank House Retirement Home, Altrincham Road Manchester	12.4	12.5	0.1	Negligible	Not applicable	Not significant
7-O-H078**	Arden Lodge Road, Manchester	12.5	12.6	0.1	Negligible	Not applicable	Not significant
7-O-H079**	Wilbraham Road, Manchester	13.3	13.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H080**	St Kentigerns RC Primary School, Bethnall Drive, Manchester	12.3	12.2	-0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H081**	Wilbraham Road, Manchester	12.6	12.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H082**	Wilbraham Road, Manchester	13.8	13.7	-0.1	Negligible	Not applicable	Not significant
7-O-H083**	Wilbraham Road, Manchester	12.8	12.7	-0.1	Negligible	Not applicable	Not significant
7-O-H084**	Lloyd Street South, Manchester	13.0	13.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H085**	Wilbraham Road, Manchester	13.4	13.3	-0.1	Negligible	Not applicable	Not significant
7-O-H086**	Stockport Road, Manchester	13.4	13.4	< 0.1	Negligible	Not applicable	Not significant
7-O-H087**	Newton Avenue Care Home, Manchester	14.6	14.5	-0.1	Negligible	Not applicable	Not significant
7-O-H088**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	12.7	12.6	-0.1	Negligible	Not applicable	Not significant
7-O-H089**	Dean Trust Ardwick School, Stockport Road, Manchester	12.5	12.4	-0.1	Negligible	Not applicable	Not significant
7-O-H090**	St Luke's CoE Primary School, Langport Avenue	12.1	12.0	-0.1	Negligible	Not applicable	Not significant
7-O-H091**	Richmond Park Centre School, Stockport Road, Manchester	12.7	12.6	-0.1	Negligible	Not applicable	Not significant
7-O-H092**	Stockport Road, Manchester	13.0	12.9	-0.1	Negligible	Not applicable	Not significant
7-O-H093**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	13.1	13.0	-0.1	Negligible	Not applicable	Not significant
7-O-H094**	Trafalgar Avenue, Audenshaw	15.7	15.7	< 0.1	Negligible	Not applicable	Not significant
7-O-H095**	Spring Bank Avenue, Audenshaw	14.4	14.4	< 0.1	Negligible	Not applicable	Not significant
7-O-H096**	Ashton Old Road, Manchester	13.9	13.8	-0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM ₁₀ concentrations (µg/m ³)		Change in PM ₁₀ concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H097**	Falconwood Way, Manchester	13.0	13.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H098**	Turing Court, Manchester	13.2	13.3	0.1	Negligible	Not applicable	Not significant
7-O-H099**	Oak House Surgery, Pottery Lane, Manchester	13.8	14.0	0.2	Negligible	Not applicable	Not significant
7-O-H100**	Churchfield Walk, Manchester	13.1	13.2	0.1	Negligible	Not applicable	Not significant
7-O-H101**	Albert Street, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant
7-O-H102**	Albert Street, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant
7-O-H103**	Albert Street, Manchester	11.8	11.9	0.1	Negligible	Not applicable	Not significant
7-O-H104**	Hassop Close, Manchester	11.8	11.9	0.1	Negligible	Not applicable	Not significant
7-O-H105**	Claybrook Walk, Manchester	12.4	12.5	0.1	Negligible	Not applicable	Not significant
7-O-H106**	All Saints Bungalow, Palmerston Street, Manchester	11.9	12.0	0.1	Negligible	Not applicable	Not significant

Note: ** Indicates that receptor is new to the SES2 and AP2 ES.

Table 21: Predicted annual mean PM_{2.5} concentrations and impacts (operation phase)

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H004	Newall Road, Wythenshawe	7.8	7.8	< 0.1	Negligible	Negligible	Not significant
7-O-H008	Wythenshawe Hospital, Southmoor Road, Manchester	7.3	7.3	< 0.1	Negligible	Negligible	Not significant
7-O-H009	Wythenshawe Hospital, Southmoor Road, Manchester	7.6	7.6	< 0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H010	Fouracres Road, Manchester	7.6	7.6	< 0.1	Negligible	Negligible	Not significant
7-O-H011	Banbury Road, Manchester	7.7	7.8	0.1	Negligible	Negligible	Not significant
7-O-H012	Greenwood Road, Wythenshawe	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-O-H013	Roundthorn Road, Manchester	7.5	7.5	< 0.1	Negligible	Negligible	Not significant
7-O-H014	Benchill Primary School, Benchill Road, Wythenshawe	9.1	9.0	-0.1	Negligible	Negligible	Not significant
7-O-H015	Partridge Avenue, Wythenshawe	9.4	9.4	< 0.1	Negligible	Negligible	Not significant
7-O-H016	Parkwood Road, Manchester	9.4	9.4	< 0.1	Negligible	Negligible	Not significant
7-O-H017	Beechpark Avenue, Wythenshawe	9.3	9.3	< 0.1	Negligible	Negligible	Not significant
7-O-H024	Lawnswood Road, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-O-H025	Early Explorers Day Nursery, Hyde Road, Manchester	8.5	8.5	< 0.1	Negligible	Negligible	Not significant
7-O-H026	Cosgrove House, Wenlock Way, Manchester	8.9	9.0	0.1	Negligible	Negligible	Not significant
7-O-H027	The Manchester College, Nicholls Campus, Hyde Road, Ardwick	8.8	8.8	< 0.1	Negligible	Negligible	Not significant
7-O-H028	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	8.9	9.0	0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H029	Regent Court, Wenlock Way, Manchester	9.2	9.3	0.1	Negligible	Negligible	Not significant
7-O-H030	Regent Court, Wenlock Way, Manchester	9.0	9.0	< 0.1	Negligible	Negligible	Not significant
7-O-H031	Land Bounded By Pottery Lane, Gorton Lane, Belle Vue Street And Polesworth Close Manchester	8.6	8.7	0.1	Negligible	Negligible	Not significant
7-O-H034	Ashton Old Road, Tameside	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-O-H035	Bridge College, Openshaw Campus, Whitworth Street, Manchester	8.1	8.2	0.1	Negligible	Negligible	Not significant
7-O-H036	Ashton Old Road, Tameside	8.6	8.6	< 0.1	Negligible	Negligible	Not significant
7-O-H037	Turing Close, Openshaw	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-O-H038	Connell Sixth Form College, 301 Alan Turing Way, Manchester	8.3	8.4	0.1	Negligible	Negligible	Not significant
7-O-H039	The East Manchester Academy, 60 Grey Mare Lane, Manchester	8.0	8.1	0.1	Negligible	Negligible	Not significant
7-O-H040	St Brigid's Primary School, Manchester	8.1	8.1	< 0.1	Negligible	Negligible	Not significant
7-O-H041	Grey Mare Lane, Manchester	7.9	7.9	< 0.1	Negligible	Negligible	Not significant
7-O-H042	Broxton Street, Manchester	8.2	8.1	-0.1	Negligible	Negligible	Not significant
7-O-H043	Bradford Road, Manchester	8.5	8.4	-0.1	Negligible	Negligible	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H044	The Mews, Manchester	8.2	8.2	< 0.1	Negligible	Negligible	Not significant
7-O-H045	Limerston Drive, Manchester	7.9	7.9	< 0.1	Negligible	Negligible	Not significant
7-O-H046	Clever Bees Nursery Ltd, 749-753 Oldham Road, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-O-H047	Oldham Road, Manchester	8.7	8.7	< 0.1	Negligible	Negligible	Not significant
7-O-H048**	Newlyn, Ringway Road, Manchester	7.3	7.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H049**	Rowarth Road, Manchester	9.2	9.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H050**	Hurst Walk, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H051**	Foxtan Walk, Manchester	8.7	8.8	0.1	Negligible	Not applicable	Not significant
7-O-H052**	Greenbrow Road, Manchester	8.9	9.0	0.1	Negligible	Not applicable	Not significant
7-O-H053**	Wensleydale Close, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-O-H054**	Newall Road, Manchester	7.6	7.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H055**	Greenbrow Road, Manchester	7.6	7.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H056**	Greenbrow Road, Manchester	7.5	7.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H057**	Peterswood Close, Manchester	9.3	9.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H058**	Tuffley Road, Manchester	9.0	8.9	-0.1	Negligible	Not applicable	Not significant
7-O-H059**	Greenbrow Road, Manchester	8.6	8.5	-0.1	Negligible	Not applicable	Not significant
7-O-H060**	Tuffley Road, Manchester	8.7	8.6	-0.1	Negligible	Not applicable	Not significant
7-O-H061**	Piper Hill High School, Firbank Road	8.9	8.9	< 0.1	Negligible	Not applicable	Not significant
7-O-H062**	Shawbury Road, Manchester	9.6	9.6	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H063**	Dobbinetts Lane, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-O-H064**	North West Lung Centre, Southmoor Road, Manchester	7.4	7.4	< 0.1	Negligible	Not applicable	Not significant
7-O-H065**	Calderbeck Way, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H066**	Floatshall Road, Manchester	7.4	7.5	0.1	Negligible	Not applicable	Not significant
7-O-H067**	Beech House, Lauriston Close, Manchester	9.0	9.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H068**	Crossgate Avenue, Manchester	9.3	9.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H069**	Pocklington Drive, Manchester	7.9	7.9	< 0.1	Negligible	Not applicable	Not significant
7-O-H070**	Altrincham Road, Manchester	7.8	7.9	0.1	Negligible	Not applicable	Not significant
7-O-H071**	Altrincham Road, Altrincham	7.7	7.8	0.1	Negligible	Not applicable	Not significant
7-O-H072**	Altrincham Road, Manchester	7.9	8.0	0.1	Negligible	Not applicable	Not significant
7-O-H073**	Altrincham Road, Altrincham	7.7	7.7	< 0.1	Negligible	Not applicable	Not significant
7-O-H074**	Pocklington Drive, Manchester	7.8	7.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H075**	Churchstoke Walk, Manchester	7.9	7.9	< 0.1	Negligible	Not applicable	Not significant
7-O-H076**	Yarwood Avenue, Altrincham	7.8	7.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H077**	Maybank House Retirement Home, Altrincham Road Manchester	8.2	8.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H078**	Arden Lodge Road, Manchester	8.2	8.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H079**	Wilbraham Road, Manchester	8.7	8.7	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H080**	St Kentigerns RC Primary School, Bethnall Drive, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H081**	Wilbraham Road, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H082**	Wilbraham Road, Manchester	9.0	8.9	-0.1	Negligible	Not applicable	Not significant
7-O-H083**	Wilbraham Road, Manchester	8.6	8.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H084**	Lloyd Street South, Manchester	8.8	8.7	-0.1	Negligible	Not applicable	Not significant
7-O-H085**	Wilbraham Road, Manchester	8.9	8.9	< 0.1	Negligible	Not applicable	Not significant
7-O-H086**	Stockport Road, Manchester	8.8	8.8	< 0.1	Negligible	Not applicable	Not significant
7-O-H087**	Newton Avenue Care Home, Manchester	9.5	9.4	-0.1	Negligible	Not applicable	Not significant
7-O-H088**	Dean Trust Ardwick School, Stockport Road, Manchester (edge of school grounds)	8.4	8.3	-0.1	Negligible	Not applicable	Not significant
7-O-H089**	Dean Trust Ardwick School, Stockport Road, Manchester	8.2	8.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H090**	St Luke's CoE Primary School, Langport Avenue	8.0	8.0	< 0.1	Negligible	Not applicable	Not significant
7-O-H091**	Richmond Park Centre School, Stockport Road, Manchester	8.3	8.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H092**	Stockport Road, Manchester	8.5	8.4	-0.1	Negligible	Not applicable	Not significant
7-O-H093**	Tesito House Hospice/Hospital, Devonshire Street, Manchester	8.6	8.5	-0.1	Negligible	Not applicable	Not significant
7-O-H094**	Trafalgar Avenue, Audenshaw	10.0	10.0	< 0.1	Negligible	Not applicable	Not significant

Supplementary Environmental Statement 2 and Additional Provision 2 Environmental Statement

SES2 and AP2 ES Volume 5, Appendix: AQ-001-0MA07

Air quality

MA07

Air quality report

Receptor	Description/Location	PM _{2.5} concentrations (µg/m ³)		Change in PM _{2.5} concentrations (µg/m ³)	Impact descriptor	Impact descriptor in the main ES	Significance
		2039 without the AP2 revised scheme	2039 with the AP2 revised scheme				
7-O-H095**	Spring Bank Avenue, Audenshaw	9.3	9.3	< 0.1	Negligible	Not applicable	Not significant
7-O-H096**	Ashton Old Road, Manchester	9.1	9.1	< 0.1	Negligible	Not applicable	Not significant
7-O-H097**	Falconwood Way, Manchester	8.5	8.5	< 0.1	Negligible	Not applicable	Not significant
7-O-H098**	Turing Court, Manchester	8.6	8.7	0.1	Negligible	Not applicable	Not significant
7-O-H099**	Oak House Surgery, Pottery Lane, Manchester	9.0	9.1	0.1	Negligible	Not applicable	Not significant
7-O-H100**	Churchfield Walk, Manchester	8.6	8.6	< 0.1	Negligible	Not applicable	Not significant
7-O-H101**	Albert Street, Manchester	7.7	7.8	0.1	Negligible	Not applicable	Not significant
7-O-H102**	Albert Street, Manchester	7.7	7.8	0.1	Negligible	Not applicable	Not significant
7-O-H103**	Albert Street, Manchester	7.7	7.7	< 0.1	Negligible	Not applicable	Not significant
7-O-H104**	Hassop Close, Manchester	7.7	7.7	< 0.1	Negligible	Not applicable	Not significant
7-O-H105**	Claybrook Walk, Manchester	8.2	8.2	< 0.1	Negligible	Not applicable	Not significant
7-O-H106**	All Saints Bungalow, Palmerston Street, Manchester	7.8	7.8	< 0.1	Negligible	Not applicable	Not significant

Note: ** Indicates that receptor is new to the SES2 and AP2 ES.

- 4.4.7 The annual mean NO₂, PM₁₀ and PM_{2.5} concentrations are predicted to be within the air quality standards during operation of the AP2 revised scheme. Since the annual mean NO₂ concentrations are predicted to be well below 60µg/m³, the hourly mean standard is also expected to be met. Similarly, since the annual mean PM₁₀ concentrations are predicted to be below 35µg/m³, the daily mean standard is also expected to be met.
- 4.4.8 Negligible impacts are predicted at all human receptors in the area for annual mean NO₂, PM₁₀ and PM_{2.5} concentrations.

Assessment of significance

- 4.4.9 No significant effects are anticipated at any human receptors in relation to annual mean NO₂, PM₁₀ and PM_{2.5} concentrations.
- 4.4.10 There are no new or different significant effects from the operation of the AP2 revised scheme compared to the main ES.

High Speed Two (HS2) Limited

Two Snowhill

Snow Hill Queensway

Birmingham B4 6GA

Freephone: 08081 434 434

Minicom: 08081 456 472

Email: HS2enquiries@hs2.org.uk