Environmental Risk Assessment

GXO UK Logistics Ltd

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SITE DETAILS

GXO UK Logistics Ltd,

Touchet Hall Road,

Middleton,

Manchester,

M24 2YX

OPERATOR DETAILS

GXO UK Logistics Ltd

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APPLICATION REFERENCE

EPR/LP3923MX

DOCUMENT REFERENCE

K547.1~09~004

ISSUE DATE

18/03/2026

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ACTION	DATE	NAME
Prepared	18/12/2025	Joe Speechley
Checked	18/12/2025	Elliott Howard
Approved	05/02/2026	Elliott Howard

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DRAWINGS

REFERENCE	TITLE	DATE
K547.1~20~001	Permit Boundary Plan	18/03/2026
K547.1~20~002	Site Setting Plan (2 km)	18/03/2026

APPENDICES

REFERENCE	TITLE	DATE
Appendix A	ERA Tables	18/03/2026
Appendix B	Groundsure Report (GS-476-BGN-DF9-G7R)	06/11/2025

1. INTRODUCTION

This document is the Environmental Risk Assessment (ERA) that accompanies the application for a Bespoke permit application at GXO UK Logistics Ltd, Touchet Hall Road, Middleton, Manchester, M24 2YX. The site is located at National Grid Reference SD 88847 07317.

The facility to be operated at Middleton is effectively a replacement for the site currently operated at Oceans Estate, Trafford Park Road, Trafford Park, Manchester, M17 1AS which operates on a combination of waste exemptions as well as an Environmental Permit (EPR/KB3305KZ). This new application will consolidate these activities into one permit at the new facility, prior to the formal surrender of the Oceans Estate permit.

The application will permit the following activities:

- Cardboard waste – bulked and baled prior to dispatch.
- Plastics – packaging and containers, bulked and baled prior to dispatch.
- Aluminium/metal tins, cans – sorted, bulked prior to dispatch.
- Glass – bulked prior to dispatch.
- Waste Oil – received in containers, bulked and palletised prior to dispatch.
- Food Waste – received in totes, bulked and stored within dedicated building prior to dispatch.

The application has been prepared by Wiser Environment Limited on behalf of the applicant GXO UK Logistics Ltd. The ERA has been produced in line with Environment Agency guidance, 'Risk assessments for your environmental permit'[1].

This ERA identifies potential environmental risks and proposes mitigating measures that can reduce adverse impacts and should be read in conjunction with the other supporting documents included within the application.

1.1. Scope

This risk assessment is based on the source-pathway-receptor approach. All potential sources of pollution associated with waste acceptance, storage and treatment for recovery activities have been assessed against the principal receptor types identified within the site's vicinity.

[1] Risk assessments for your environmental permit - GOV.UK (www.gov.uk), updated 31 August 2022

The requirement for risk management measures is then dependent on a viable pathway being present between the source and the receptor. Where such pathway exists, management measures are required to reduce risk.

1.2. Aims

This assessment aims to consider potential environmental hazards associated with the activity, to identify sensitive receptors which these may impact, and determine the influence management practice has on reducing risk.

2. SITE SETTING

2.1. Location

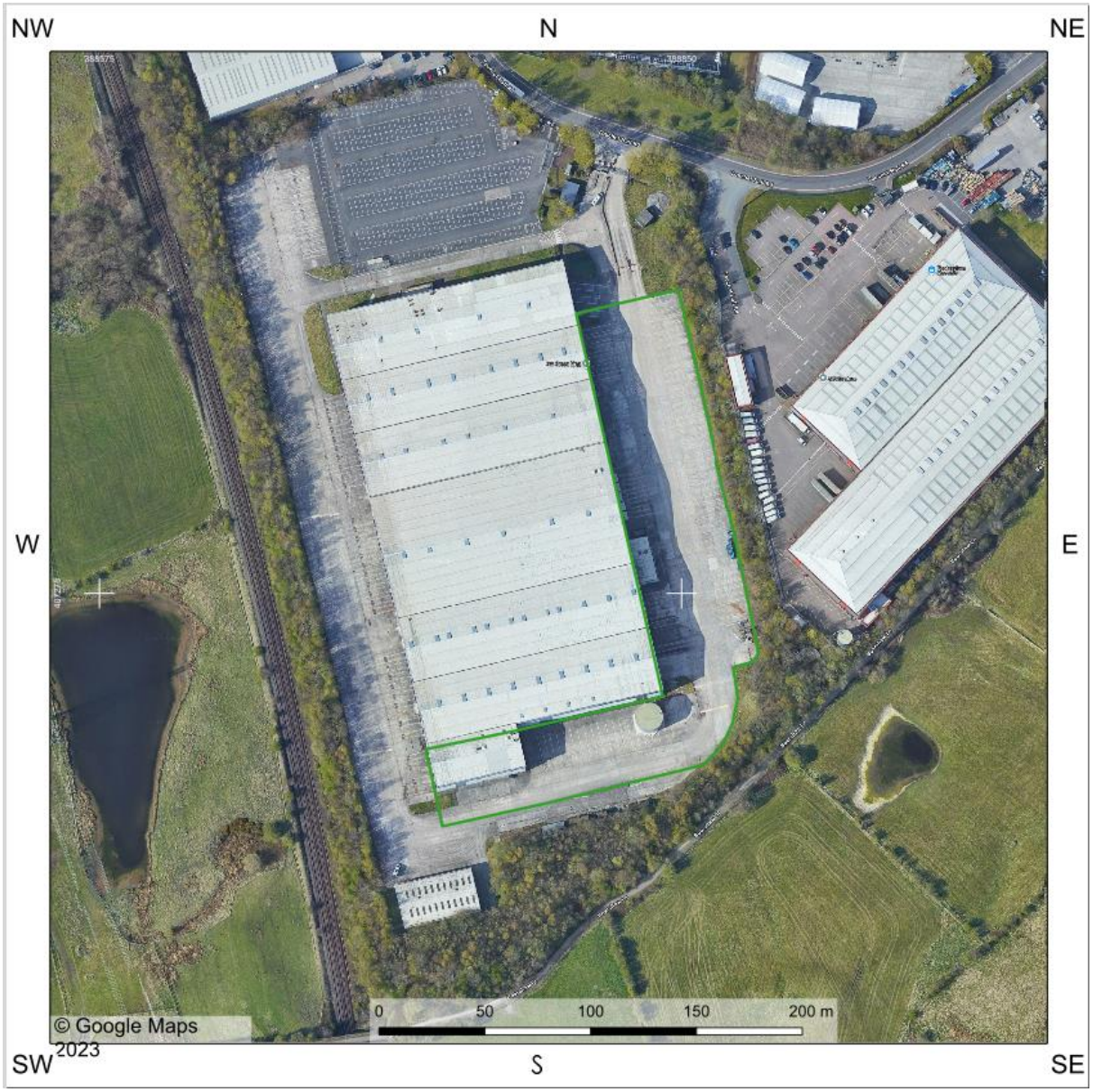

Figure 1 *Aerial image of the site, showing the permit boundary in green*

The site is located 426 m East from Stanycliffe the nearest main residential area and 887 m South East from the A664.

2.2. Humans and Property

The nearest residential land use (ID1) is approximately 155 m SE of the permit boundary shown on the Site Setting Plan (K547.1~20~002) The large proportion of the residential areas are towards the south of the permit boundary comprising of high-density estate housing.

2.3. Environmentally Sensitive Sites

Environmentally sensitive sites include.

Sites of Special Scientific Interest (SSSI); Special Areas of Conservation (SAC); Special Protection Areas (SPA); RAMSAR sites; National Nature Reserves (NNR); Ancient Woodlands (AW); Local Nature Reserves (LNR): County Wildlife Sites (CWS); World Heritage Sites; Areas of Outstanding Natural Beauty (AONB); National Parks; and Biodiversity Action Plan (BAP) priority habitats.

2.3.1. Designated Environmental Receptors

Table 1 Designated Sites

ID	DESCRIPTION	NEAREST LOCATION FROM SITE (APPROX.)	DIRECTION FROM SITE
1	SSSI- Rochdale Canal	355 m	W
2	Local Nature Reserve running through Pennine Edge Wood	1.00 km	NW
3	Local Nature Reserve in Manchester Golf Club	1.00 km	NNW
4	Local Nature Reserve near Hopwood Hall College	1.45 km	NW
5	Local Nature Reserve SE of M62	1.85 km	NNW

2.3.2. Non-Statutory Designated Receptors

A series of non-statutory designated environmental sites are located within 2 km of the permit boundary and summarised in Table 1 below. The locations relative to the permit boundary are also shown on the Site Setting Plan (K547.1~20~002) with IDs that correspond to the Receptors Table (ERA2) in Section 3.2.

Table 2 Non-Statutory Designated Sites

ID	DESCRIPTION	NEAREST LOCATION FROM SITE (APPROX.)	DIRECTION FROM SITE
1	Historic Parkland on Manchester Golf Club	900 m	NNW

2.4. Geology

2.4.1. Artificial Ground and Made Ground

Evidence of 3 types of artificial and made ground can be found on site; Made ground (undivided) LEX code- MGR-ARTDP described as an artificial deposit. Infilled ground LEX

code- WMGR-ARTDP described as an artificial deposit, Worked Ground (undivided) LEX code- WGR-VOID described as Void.

Close to the site proximity there's evidence of Worked Ground (undivided) LEX code- WGR-VOID described as Void 98 m East. 128 m South there is Made Ground (undivided) LEX Code-MGR-ARTDP described as Void.

Given the site is within an established commercial area, the presence of made ground is to be expected.

2.4.2. Superficial and Drift Geology

Superficial geology can be found to the onsite and is classified as Till Devensian– Diamicton. These sedimentary deposits glacigenic in origin and can form a range of deposits and geomorphologies. .

2.4.3. Bedrock and Solid Geology

Underlying geology on site is described as Pennine Lower Coal Measures formation made up of mudstone, siltstone and sandstone. These sedimentary rocks are fluvial, palustrine and shallow marine in origin.

2.5. Hydrogeology

On site the superficial aquifer is classed as Secondary A described as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

On site the bedrock aquifer is classed as a Secondary A described as a permeable layer capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

2.6. Hydrology

Table 3 Surface Water Features

DESCRIPTION	NEAREST LOCATION FROM SITE (APPROX.)	DIRECTION FROM SITE
1	Rochdale Canal	320 m
2	Whit Brook	630 m
3	Trub Brook	1.05 km

2.7. Flood Risk

2.7.1. Risk of Flooding from Rivers and Sea

According to the government website the risk of flooding from rivers and sea (RoFRaS) yearly chance is rated as very low. While the yearly RoFRaS in 2040-2060 is classed as low.

2.7.2. Surface Water Flooding

According to the government website the Yearly risk of flooding from surface water is very low. While the risk of flooding from surface water in 2040-2060 is classed as low.

2.7.3. Groundwater Flooding

According to the government website the areas is outside the groundwater flood alert. Available environmental data (Appendix B) reports the risk of the area as Low.

2.8. Air Quality

The site is within a NOx air quality management area.

2.9. Nature of Risk Assessment

This document provides a broad and general assessment of the risk factors considered to be of significance for the site, and an evaluation of the impact from the principal risk factors to receptors within the site vicinity.

3. METHODOLOGY

3.1. Hazard Identification

A hazard is something with potential to cause harm to something else. Table ERA1 below identifies the principal hazard types which may be associated with the proposed activity; and indicates where hazards are identified and determined to be of significant potential risk to determine further assessment. Potential hazards from this activity are as follows:

ERA1 Identified Hazard Types

PRINCIPAL HAZARD TYPE	SUB-HAZARD TYPE	POTENTIAL SOURCE	RISK	REQUIRES FURTHER ASSESSMENT
Odour	Odour	• Delivery of materials such as food waste, compostable PLA straws to and from the site • Storage of raw materials of wastes or evaporating volatile organic compounds, dust or bioaerosols. • Transferring of waste onsite	• Fugitive emissions of odour relating to the transfer of odorous materials such as food waste, from site to other permitted facilities.	✓ ERA 8 Odour Management Plan (K547.1~09~006)
Point Source Emissions to Air	Dust and Particulate Matter	• There are no point source emissions to air from the major facility treatment processes	• There are no point source emissions to air from the major facility treatment processes	
Fugitive Emissions to Air	Dust and Particulate Matter	• **Pathway - Air** • Delivery of materials to the site. • Vehicle Movements	• Poor air quality • Inhalation of particles • Deposition of dust/particles on property and land	✓ ERA 8
	Litter and Debris	• **Pathway - Air & Land** • Delivery/dispatch of material to and from the site	• Litter, debris and nuisance to humans, property, and environmentally sensitive sites	✓ ERA 9
Fugitive Emissions – Pests	Pests, vermin, scavengers	• **Pathway - Land** • Storage of food waste on site • Waste sorting and segregation.	• Putrescible materials will attract pest, vermin and scavengers.	✓ ERA 10
Fugitive Emissions – Mud and Debris	Mud & debris	• **Pathway – Land** • Mud and debris from tyres of vehicles carrying materials in and out of the site.	• Impact on amenity, roads, buildings, safety, and other facility on site	✓ ERA 11
Fugitive Emissions – to Water	Contaminated runoff	• Delivery and dispatch of	• Potential runoff and contamination to land,	✓ ERA 12

PRINCIPAL HAZARD TYPE	SUB-HAZARD TYPE	POTENTIAL SOURCE	RISK	REQUIRES FURTHER ASSESSMENT
		material to and from the site. • Water spray tote wash area.	surface water, and groundwater.	
Accidents	Transferring substances	• Delivery and dispatch of material to and from the site.	• Attraction of pests, vermin and scavengers • Impact/harm on humans & property, environmentally Sensitive Sites, Surface Water, groundwater, and atmosphere	✓ ERA 13
	Plant or equipment failure	• Delivery and dispatch of material to and from the site. • Storage of materials on site.	• Impact/harm on humans & property, environmentally Sensitive Sites, Surface Water, groundwater, and atmosphere.	
	Flooding	• Extreme weather and rainfall. • Washing facility • Delivery and dispatch of material to and from the site.	• Impact on humans, land, surface and groundwater, amenities, and environmentally sensitive sites.	
	Vandalism	• Delivery and dispatch of material to and from the site. • Materiel storage	• Loss of amenities and property.	
	Fire	• Delivery and dispatch of material to and from the site. • Storage of materials on site	• Risk of fire spreading on site and to neighbouring sites with the industrial estate. • Loss/ damage of amenities and property. • Air pollution to sensitive areas	
Noise and Vibration		• Vehicular movements during delivery and dispatch of materials to and from site.	• Noise and disturbance affecting sensitive receptors and environmentally sensitive sites within the site proximity.	✓ ERA 14
Climate Change	Extreme maximum & minimum temperature Extreme rainfall Drier summers River flow Sea level rise	• Rainfall • Increased temperature	• Extreme rainfall can lead to increased site surface water and flooding. Drainage systems and interceptors may be overwhelmed. • Extreme hot weather conditions may result in fires. • Higher temperatures can generate odour and increase the potential for pest infestation.	✓ ERA 15

3.2. Receptors

A receptor is the object (e.g., person, organism, resource, or property) impacted by a hazard. For example, odour may cause offence to a human (the receptor). When identifying receptors which may be at risk from the site, the following have been considered:

- Ancient woods
- Locations used to grow food or to farm animals or fish
- Drain and sewer systems
- Factories and other businesses
- Fields and allotments used to grow food
- Footpaths
- Roads and railways
- Groundwater beneath the site
- Homes, or groups of homes
- Playing fields and playgrounds
- Private drinking water supplies
- Regionally important geological sites
- Schools, hospitals, and other public buildings
- Water
- Conservation and habitats protected areas and areas of scientific interest

Sensitive receptors within 2 km of the permit boundary are shown on the Site Setting Plan (K547.1~20~002). The IDs on the Site Setting Plan correspond to the Receptors Table (ERA2) below.

ERA2 Receptors

RECEPTOR TYPE	ID	DESCRIPTION	DISTANCE	DIRECTION
HUMANS AND PROPERTY	-	Site Workers	On site	-
	-	Site Visitors	On site	-
		INHABITANTS OF RESIDENTIAL PROPERTIES		
	1	Chadderton Fold Residential Area	155 m	SE
	2	Boarshaw Road Residential Areas	300 m	WSW
	3	Whitegates Road Residential Areas	585 m	NW
	4	St Bridge Road Residential Area	720 m	ESE
	5	Stanycliffe Lane Residential Area	815 m	WNW
	6	Slattock's Link	820 m	NNE
	7	Hollin Lane Residential Areas	880 m	W
	8	Chadderton Park Road Residential Area	915 m	SE
	9	Monmouth Street Residential Area	1.05 km	SSW
	10	Firwood Park Residential Area	1.05 km	SSE
	11	A627 Residential Areas	1.10 km	E
	12	Hilton Fold Lane Residential Area	1.11 km	SW
	13	Rochdale Road Residential Areas	1.55 km	NNW
		SENSITIVE PUBLIC USE		
	1	Middleton Cemetery	425 m	SW
	2	Soccer Stars Academy Middleton	705 m	WNW
	3	Boarshaw Children's Centre	750 m	WSW
	4	St John Fisher RC Primary School	890 m	WNW
	5	Chadderton Park FC	960 m	SE
	6	Hopwood Hall College	1.05 km	NW
	7	St Matthew's Church Chadderton	1.10 km	SE
	8	Mills Hill Baptist Church	1.15 km	S
	9	Kingdom Hall of Jehovah's Witnesses	1.20 km	SW
	10	Richard Bentley Smalley Memorial Hall	1.25 km	N
	11	Mills Hill Primary School	1.30 km	SSE
	12	Squirrels Childrens Day Nursery	1.45 km	SW
	13	Middleton Technology School	1.45 km	SSW
	14	The Verve Hall	1.50 km	WSW
	15	Thornham Lane Public Use Areas	1.50 km	N
	16	Grace Fellowship Manchester	1.65 km	WSW
	17	Middleton Parish Church	1.65 km	SW
	18	St Gabriel's Cemetery and CE Primary School	1.65 km	S
	19	St Leonard's Street Cemetery	1.70 km	SW
	20	Twinkle Toes Day Nursery	1.70 km	SW
	21	Middleton Parish C of E Primary School	1.80 km	WSW
	22	Middleton Road Cemetery	1.80 km	SE

RECEPTOR TYPE	ID	DESCRIPTION	DISTANCE	DIRECTION
	23	Middleton Library and Fisherfields Child's care	1.85 km	WSW
	24	Middleton Arena	1.90 km	SW
	25	The Radclyffe School	1.95 km	SSE
		COMMERCIAL USE		
	1	GXO Green King Commercial Area	0 m	NNW
	2	Boarshaw Lane Commercial Area	20 m	NE
	3	Touchet Hall Road Commercial Area	65 m	N
	4	Finland Road Commercial Area	395 m	N
	5	Bentley Avenue Commercial Area	715 m	NNE
	6	Three Pits Stables	775 m	NNW
	7	Hilltop Farm and Riding School	915 m	ESE
	8	Oldham Road Commercial Area	935 m	S
	9	Boarshaw Road Commercial Area	1.0 km	WSW
	10	Townley Street Commercial Areas	1.10 km	SW
	11	Rochdale Road Commercial Areas	1.10 km	NNW
	12	Hough (Horse Boarding Stables)	1.35 km	NE
	13	Thornham Lane Commercial Area	1.40 km	NNE
	14	Cheapside	1.45 km	WSW
	15	The Horton Arms	1.50 km	ESE
	16	Burnley Lane Commercial Area	1.90 km	SE
	17	B6195 Commercial Area	1.75 km	E
	18	Currys	1.90 km	ESE
	19	Middleton Road Commercial Areas	1.90 km	SSE
	20	United Utilities	1.90 km	NW
		RECREATIONAL AREAS		
	1	Boarshaw Clough Nature Reserve	820 m	W
	2	Manchester golf club	840 m	NW
	3	Chadderton Hall Park	1.00 km	SE
	4	North Chadderton School	1.20 km	SE
	5	Brassey Street Play Area	1.30 km	WSW
	6	Tonge Hall	1.55 km	SSW
	7	Noddys Playing Fields	1.55 km	SE
	8	King George V Park and Playing Fields	1.70 km	SSW
	9	Jubilee Park	1.75 km	WSW
		AGRICULTURAL		
		CRITICAL INFRASTRUCTURE		
	1	Mills Hill Train Station	1.05 km	S
	2	Rochdale Road Medical Centre	1.65 km	SW
		ROADS AND RAILWAYS		

RECEPTOR TYPE	ID	DESCRIPTION	DISTANCE	DIRECTION
	1	A664	820 m	WNW
	2	A627 (M)	985 m	ENE
	3	A669	1.05 km	W
	4	B6195	1.30 km	ESE
	5	A6046	1.60 km	WSW
	PUBLIC RIGHTS OF WAY			
	1	Footpath between Rochdale Canal and Oozewood Road	25 m	SE
	2	Footpath between Chadderton Fold and Oldham Road	100 m	SE
	3	Footpath between Touchet Hall Road and Stakehill Lane	135 m	N
	4	Footpath running alongside the Rochdale Canal	285 m	W
	5	Footpath between Boarshaw Lane and Eastern Agricultural Areas	500 m	ENE
	6	Footpath connecting Rochdale Road	580 m	NNW
	7	Public Footpath near Haigh Lane	775 m	S
	8	Footpath between Green Lane and Myrtle Road	795 m	SW
	9	Footpath between St Bridge Road Residential Area and Church Avenue	815 m	NE
	10	Footpath between Don Street and Hilton Fold Lane	845 m	SW
	11	Footpath next to Stakehill Nurseries	860 m	NE
	12	Footpath between Rochdale Road and Hollin Lane	865 m	NW
	13	Footpath connecting Rochdale Road and Oaken Bank Road	890 m	NNW
	14	Footpath connecting Pennine Edge Wood to Rochdale Road	1.00 km	NW
	15	Footpath between Healds Green and Heights Lane	1.00 km	ESE
	16	Footpath between Chadderton Fold and Mill Brow	1.05 km	SE
	17	Footpath connecting Hopwood Hall College to Waverly Road	1.05 km	NW
	18	Footpath between A627 and Hough Commercial Area	1.05 km	NE
	19	Footpath between Hilton Fold Lane and Jubilee Road	1.10 km	SW
	20	Footpath between Boarshaw Road and Jubilee Road	1.35 km	SW
	21	Footpath within Mills Hill Primary School	1.35 km	S
	22	Footpath between Maple Close and Baytree Lane	1.35 km	SSW
	23	Footpath between Middleton View and Kenymon Lane	1.40 km	SW

RECEPTOR TYPE	ID	DESCRIPTION	DISTANCE	DIRECTION
	24	Footpath between Birchwood Road and Baytree Lane	1.45 km	SSW
	25	Footpath connecting Hopwood Hall college to Tintern Road	1.45 km	WNW
	26	Footpath between Oozewood Road and Thornham Fold	1.45 km	NNE
	27	Footpath betweenThornham Lane and St John's Church of England Primary School	1.55 km	NNE
	28	Footpath within A627 Residential Area	1.55 km	E
	29	Footpath around St Gabriel's Church of England Primary School	1.65 km	S
	30	Footpath between Middleton Road and Lorne Avenue	1.70 km	E
	31	Footpath between Thornham Lane and Carnforth Avenue	1.85 km	N
WATER		**SURFACE WATER**		
	1	Rochdale Canal	320 m	NW
	2	Whit Brook	630 m	NW
	3	Trub Brook	1.05 km	NW
		GROUNDWATER		
	1	Secondary Superficial Aquifer	On slte	-
ENVIRONM-ENTALLY SENSITIVE SITES		**DESIGNATED SITES**		
	1	SSSI- Rochdale Canal	355 m	W
	2	Local Nature Reserve Running through Pennine Edge Wood	1.00 km	NW
	3	Local Nature Reserve in Manchester Golf Club	1.00 km	NNW
	4	Local Nature Reserve near Hopwood Hall College	1.45 km	NW
	5	Local Nature Reserve SE of M62	1.85 km	NNW
		NON-STATUTORY DESIGNATED SITES		
	1	Historic Parkland on Manchester Golf Club	900 m	NNW
HERITAGE SITES		**LISTED BUILDINGS, PARKS & SCHEDULED MONUMNETS**		
	1	Rochdale Canal Lock Number 58 and adjoining bridge (Grade 2 listed building)	620 m	NNW
	2	4 grade 2 listed buildings near Limefield Livery Stables (Grade 2 listed buildings)	625 m	S
	3	Rochdale Canal Slattocks Top Lock (Number 54) and adjoining bridge (Grade 2 listed building)	1.10 km	N
	4	Hopwood Hall Icehouse (Grade 2 listed building)	1.15 km	NNW
	5	Elm Street School (Grade 2* listed building)	1.25 km	SSW
	6	Church of Saint Matthew (Grade 2 listed building)	1.30 km	ESE

RECEPTOR TYPE	ID	DESCRIPTION	DISTANCE	DIRECTION
	7	Cinder Hill Farmhouse (Grade 2 listed building)	1.30 km	ENE
	8	2 grade 2 listed buildings along Thornham Lane (Grade 2 listed buildings)	1.40 km	N
	9	Tandle Hill Country Park	1.55 km	NE
	10	Hopwood Hall and Former Chapel at Hopwood Hill College (Grade 2* and Grade 2 listed buildings respectively)	1.55 km	NW
	11	Tonge Hall (Grade 2* listed building)	1.65 km	SW
	12	4 grade 2 listed buildings near Rochdale Road Medical Centre (Grade 2 listed buildings)	1.70 km	WSW
	13	Chadderton Cemetery	1.80 km	SE
	14	11 grade 2 and grade 2* listed buildings near Jubilee Park (Grade 2 and Grade 2* listed buildings)	1.85 km	SW
	15	Church of St Gabriel War Memorial (Grade 2 listed building)	1.90 km	SSW
	16	Church of St Michael (Grade 2 listed building)	1.95 km	SW

3.3. Prevailing Wind Direction

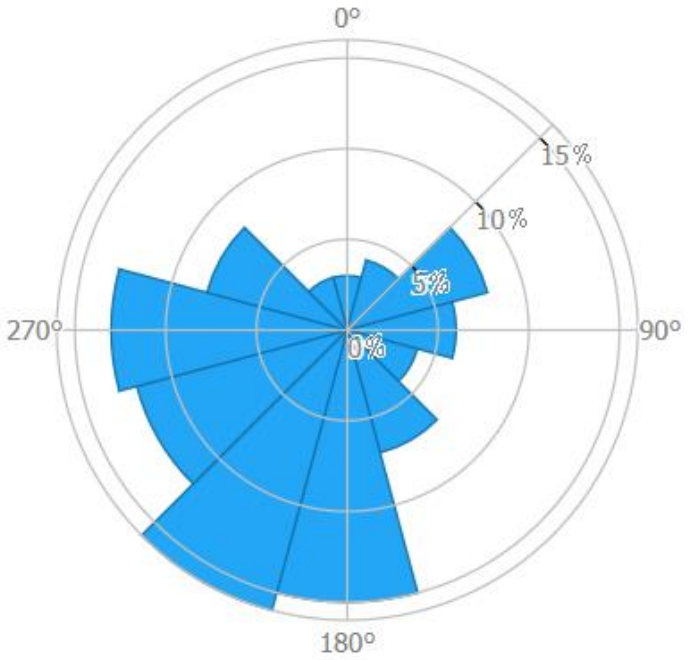

Figure 2 Global Wind Atlas wind rose. *(Global Wind Atlas).*

The closest observing station where wind statistic data is available is at *Middleton, Rochdale, Greater Manchester, England, M24 1HB, United Kingdom*, approximately 3.5 km southwest of the permit boundary. Figure 2 presents the wind statistics on a wind rose as an average using data of the wind directions. The wind rose indicates that the sensitive receptors located towards the North-East of the site are potentially at greatest risk from hazards transmitted through the air.

3.4. Pathways

The pathway is how the hazard reaches the receptor and forms the link between the two. For example, a dust hazard may reach a receptor by travelling through air, with the air therefore being the pathway.

The source-pathway-receptor link must be present for there to be a risk. Management measures applied at the site act to minimise the overall risk by impeding or removing the pathway.

ERA3 Pathways

RECEPTOR	HAZARD	PATHWAY
Humans and Property	Odour	Transmitted through the air
	Dust and Particulate Matter	Transmitted through the air
	Noise	Transmitted through the air
	Birds, Vermin & Insects	Physical travel
	Fire	Physical contact and spread
Groundwater	Contaminated runoff	Infiltration through the ground
Surface Water	Contaminated runoff	Direct discharge from site
Environmentally Sensitive Sites	Dust and Particulate Matter	Transmitted through the air
	Noise	Transmitted through the air
	Fire	Physical contact and spread
Atmosphere	Dust and Particulate Matter	Transmitted through the air

3.5. Risk

Assessment of risk is based on the probability of receptor exposure to the identified hazards and the consequences of such exposure. The initial assessment of risk is made assuming no risk management practices are applied.

A matrix is used to determine overall risk and uses the following definitions:

ERA4 Probability of Exposure

PROBABILITY OF EXPOSURE
HIGH – *exposure is probable:* direct exposure likely with no / few barriers between hazard, source and receptor.
MEDIUM – *exposure is fairly probable*: feasible exposure possible, barriers to exposure less controllable.
LOW – *exposure is unlikely*: several barriers exist between hazards source and receptors to mitigate against exposure.
VERY LOW – *exposure is very unlikely*; effective, multiple barriers in place to mitigate against exposure.

ERA5 Consequences of Exposure

CONSEQUENCES OF EXPOSURE
HIGH – *the consequences are severe:* sufficient evidence that short- or long-term exposure may result in serious damage.
MEDIUM – *consequences are significant;* sufficient evidence that exposure to hazard may result in damage that is not severe in nature and reversible once exposure ceases (e.g. irritant).
LOW – *consequences are minor;* damage not apparent though reversible adverse changes may occur.

CONSEQUENCES OF EXPOSURE
VERY LOW – *consequences are negligible;* no evidence of adverse changes following exposure.

Comparison between probability and consequence provides the overall risk which is reached as follows:

ERA6 Assessing Overall Risk

		CONSEQUENCES			
		Very Low	**Low**	**Medium**	**High**
LIKELIHOOD	**High**	Low	Medium	High	High
	Medium	Low	Medium	Medium	High
	Low	Low	Low	Medium	Medium
	Very Low	Very Low	Low	Low	Low

3.6. Risk Management

Risk management practices for the key hazards identified above are summarised in Section 4 of this ERA. The information presented below is supported by various documents and this is clearly indicated within each table presented. In addition, risk management measures have been developed with reference to relevant guidance documents, the following being of particular note:

- Environmental Management – Guidance: Risk assessment for your environmental permit[2]
- Guidance: Noise and vibration management: environmental permits[3]
- Guidance: Control and monitor emissions for your environmental permit[4]
- Sector Guidance Note S5.06: Recovery and disposal of hazardous and non-hazardous waste.[5]

This risk assessment details the key management measures for identified risks.

[2] Risk assessments for your environmental permit - GOV.UK (www.gov.uk), Updated 21 November 2023
[3] Noise and vibration management: environmental permits - GOV.UK (www.gov.uk), Updated 31 January 2022
[4] Control and monitor emissions for your environmental permit - GOV.UK (www.gov.uk), Updated 24 November 2022
[5] Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste - GOV.UK (www.gov.uk), Updated 10 October 2018

3.7. Residual Risk

The application of management practice results in a residual risk which is detailed in Section 4 of this document.

4. RISK ASSESSMENT

The key hazards identified for the activity have been subject to a risk assessment against management practice. Each hazard is assessed in a separate table (Appendix [X]). The information presented is, as appropriate, supported by other documents and these are referenced.

Many of the hazards identified in the tables located in Appendix [X] relate to 'Environmental Risk Points (ERP)' identified throughout the processes:

ERA7 Environmental Risk Points (ERP)

REFERENCE	PROCESS
ERP1	Material receipt
ERP2	Material storage pending treatment
ERP3	Production processes
ERP4	Material dispatch

5. APPENDICES

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Appendix A

Environmental Risk Assessment Tables

(18/03/2026)

Appendix B

Groundsure Report (GS-476-BGN-DF9-G7R)

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