

ENVIRONMENTAL RISK ASSESSMENT

Higginshaw Lane, Oldham, OL1 3LA

Recycling PVC Ltd

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- Appendix I - Risk Assessment Table**
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1 Introduction

- 1.1 This Environmental Risk Assessment (ERA) considers the potential and actual risks associated with the use of the site at Higginshaw Lane, Oldham, OL1 3LA.
- 1.2 All site staff should be provided with a copy of this ERA and be aware of where it is located on site.
- 1.3 All environmental risks identified in this document should be acted upon accordingly by site management to ensure all environmental risks can be appropriately managed/controlled.
- 1.4 This document primarily considers environmental risks associated with the site. This does not aim to provide detailed Health and Safety risk assessments as required separately through the necessary legislation.
- 1.5 The Environmental Permit is required for the storage (keeping) prior to removal, and treatment (all types of handling/processing) of waste. Waste treatment processes to be carried out on site may include the following:
- Compaction
 - Manual & Mechanical sorting, separation, screening & optical sorting etc... by using appropriate mechanical plant and equipment (including density separation)
 - Crushing by using appropriate mechanical plant and equipment
 - Drying/heating by mechanical plant and equipment
 - Washing, Cleaning & separation by mechanical plant and equipment
 - Shredding by mechanical plant and equipment
 - Granulation by mechanical plant and equipment
 - Wrapping by mechanical plant and equipment
 - Bagging by hand and equipment
 - Loading & unloading of waste and material

2 Site Receptors

- 2.1 A Sensitive Receptors Plan has been provided Appendix II of this document.
- 2.1.1 As per the 'Air emissions risk assessment for your environmental permit' guidance, relevant Special protection areas (SPAs), Special areas of conservation (SACs) and Ramsar Sites (protected wetlands) within 10km of the site have been included. All relevant Sites of special scientific interest (SSSIs) and Local nature sites (ancient woodlands, local wildlife sites [LWS] and national & local nature reserves) within 2km of the site have also been included. Reference has been made to the policies maps on the Local Authority website with regards to Local Wildlife Sites/Site of Biological Importance..

Table 2.1 – Distances to Selected, Representative Sensitive Locations

Receptor	Receptor Type	Direction from Site	Approximate distance from centre of the site (m)
Surrounding industrial & commercial units on the industrial estate	Industrial/commercial	Surrounding	N/A
Deciduous Woodland (See Receptor Plan)	Ecological/Biological	Surrounding	Adjacent
St Annes Rugby Club	Recreational	South	175
Residential properties on Higginshaw Road and beyond	Residential	South	>300
Residential properties on Higginshaw Lane and beyond	Residential	North	>320
Railway Line	Infrastructure	East/southeast	435
Residential properties on Highfield Drive and beyond	Residential	West	>475
Residential properties on Fontwell Lane and beyond	Residential	East - Southeast	>515
Dr Kershaw's Hospice	Public Service	North	620
Royal Oldham Hospital	Public Service (Hospital)	West	900
Various Schools (See Receptor Plan)	Schools	North, East, South & West	>1000
Oldham Athletic FC	Recreational	West	1300
Crompton & Royton Golf Club	Recreational	North	1470
Ponds at Cowlishaw Farm (LWS – Site of Biological Importance)	Ecological/Biological	North	1950
Shaw Side (LWS – Site of Biological Importance)	Ecological/Biological	Northeast	2000

Receptor	Receptor Type	Direction from Site	Approximate distance from centre of the site (m)
Rochdale Canal (SAC)	Ecological/Biological	West	3750
South Pennine Moors (SAC & SPA)	Ecological/Biological	East	8500

2.2 Complaints Procedure

2.2.1 The site has a complaints procedure in place. If any complaints (dust/odour/noise etc..) are received (by resident, adjacent receptor, LA or EA), the relevant operator will complete a 'complaints and events log' and complaints form. The operator would also be required to make a note of any unavoidable events plant/equipment malfunctions in the site diary, rather than just actual complaints received. This will ensure that if complaints are received retrospectively from either the council/EA or directly, any circumstances which led to that complaint as a result of elements outside of the operator's control would be able to be attributed to the cause of the complaint.

2.2.2 There is no threshold for complaints, once the site receives any complaint it will be reviewed, and the site will act accordingly. If the source is within the site's control, the site manager, compliance manager or TCM will take appropriate action in terms of abatement to ensure that the issue/nuisance is controlled and won't happen again; this may take the form of the following:

- Investigating the source of the nuisance to prevent a re-occurrence.
- Suspending operations which are not being conducted using the required control measures (as detailed in the site-specific management plan).
- Additional use of the abatement/control measures.
- Logging findings of the above in the site diary / complaints form and also in the reporting template within the EP.
- Report actions to the complainants and/or EA

3 Environmental Risk Assessment Model

3.1 Fundamental Considerations

- 3.1.1 **Source/Hazard:** A property or situation that in particular circumstances could lead to harm.
- 3.1.2 **Consequences:** The adverse effects or harm as the result of realising a hazard which causes the quality of human health or the environment to be impaired in the short or long term.
- 3.1.3 **Risk:** A combination of the probability of occurrence of a defined hazard and the magnitude of the consequences of the occurrence.

3.2 Pathway

- 3.2.1 Important in the assessment of a particular risk(s) and to inform the subsequent management of the risk(s) is the identification of the pathway(s) through which the risk may affect the identified receptor(s). The following are examples of pathways:
- Air (windblown dust etc.)
 - Ground (leaching of contaminants into underlying aquifers).
 - Water (hydrocarbon run off into surface waters)
 - Direct contact / exposure

3.3 Consequences

- 3.3.1 The following table highlights the consequences of the hazard(s) identified and the abbreviations for each as used in the Risk Assessment Table in Section 3:

Abbreviation	Consequences
A	Minor Injury
B	Major Injury
C	Death
D	Air Pollution
E	Water Pollution
F	Pollution of Land

3.4 **Effects of Consequences**

- 3.4.1 In order to quantify the level of risk and identify the appropriate management procedures, the potential effects must be considered, as outlined in the table below:

Abbreviation	Consequences	Management Requirements
S	SEVERE	In all cases
Mo	MODERATE	In most cases
Mi	MILD	Occasionally
N	NEGLIGIBLE	No

- 3.4.2 Note: “Management” is the action required to reduce the risk of a hazard causing a problem on site. Contingency measures are procedures which are in place to reduce the consequences of a hazard.

3.5 **Risk Estimation and Evaluation (Probability/Frequency of Occurring Hazard)**

- 3.5.1 The following table allows the likelihood of an occurrence of an identified risk to be assessed:

Abbreviation	Probability	Evaluation
1	Very likely	Could occur during any working day
2	Likely	Could occur regularly
3	Possible	Event possible
4	Unlikely	Event very unlikely

3.6 **Risk Assessment Outcome (Combination of Probability & Consequence)**

- 3.6.1 The following table shows the resultant risk of an identified hazard or potential situation. This uses the hierarchy of both probability and consequence to assess the level of risk. The level of risk determines what level of management would be required in order to reduce the risk of occurrence and/or scale.

		Consequence			
		S	Mo	Mi	N
Probability	1	High	High	Medium	Low
	2	High	Medium	Low	Near-Zero
	3	Medium	Low	Near-Zero	N/A
	4	Low	Near-Zero	N/A	N/A

- 3.6.2 Where the risk assessment outcome is high, first-level management of the risk is essential, i.e. removal of hazard, implementation of major infrastructure/structural design measures to contain the risk/hazard and company policy changes to incorporate the management of the risk. All risk management measures must be supplemented with detailed induction training, spot training and tool-box talks to ensure all site staff and users are made fully aware of the risk/hazard, all potential consequences and necessary management and contingency procedures.
- 3.6.3 Where the risk assessment outcome is medium, the management of the risk should be tackled by management or delegates. If removal of the hazard is not possible, management will normally be met through implementing minor structural design measures or by imposing procedures for the prevention of occurrences which will be conveyed to all site staff through the appropriate training, including any contingency measures/procedures.
- 3.6.4 Where the risk assessment outcome is low, the management of the risk can be done wholly through appropriate training to site staff including any contingency measures/procedures.
- 3.6.5 Where the risk assessment outcome is near-zero, site staff should be made aware of the possibility of an occurrence, and contingency measures should be readily available to all staff should they be required.

4 Risk Assessment Table

- 4.1 The following pages contain the site-specific risk assessment for the site with appropriate remedial actions, recommendations and comments included for each identified hazard, potential contaminant or situation.
- 4.2 The table also contains references to the appropriate section(s) of the site's EMS for additional management procedures.
- 4.3 As discussed in Section 3.6 above, all situations which identify a risk from Low – High should be incorporated into the staff/visitor training schedule, where appropriate and acted on as required.

SEE TABLES OVERLEAF

Appendix I

Risk assessment tables

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
A	Dust / particulates	Site surfaces (dry and windy weather) Waste delivery vehicles (dry and windy weather) Waste stored on site Operation of treatment plant	Air	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A, B, D, E	MO	3	Low	Reference should be made to the EMS and DEMP. Site surface will be impermeable concrete therefore reducing the risk of dust arising from unsurfaced areas. Site management will ensure that all loads under their control are always sheeted on arrival and egress from the site. Third parties & contractors will be informed by site management to sheet/cover the loads when delivering and egressing from site. In the unlikely event that a load is delivered to the site unsheeted, site management will inform the driver and company that they will need to deliver loads to the site sheeted/covered for all future deliveries. Drop heights will be kept to a minimum (i.e. 1-2 metres above ground level). All onsite monitoring is continuous throughout the operational day by site management or site operatives. In addition to this, the site also undertakes daily inspections which are recorded, these will be undertaken by site management or the TCM. Please refer to the complaint's procedure detailed in section 2.2 of this risk assessment which is always in place at the site. The site does not typically receive any waste types which would be regarded as potentially dusty. Available water supply on site for dust mitigation (if required). Appropriate site speed limits will be enforced. The material accepted at the site is not considered to generate dust until it is processed through the initial shredder, this area benefits from containment adjacent to the processing area in the form of naturally higher ground (site sits within old pit) and concrete walls which will screen the shredding activity. The site will ensure that dust is continuously managed using the following measures: - The site will implement a continuous monitoring regime to identify any potential for dust leaving the site boundary. - Onsite hosepipes are available which can be used during loading & unloading operations. - The treatment plant involves the use of water which will ensure the loads are wetted throughout parts of the process - Sheeting of loads - Containment adjacent to the reception & processing area in the form of naturally higher ground (site sits within old pit) and concrete walls which will screen the operations

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									The above measures will ensure that potential dust particles are controlled and contained within the facility. If complaints are received by surrounding receptors or if dust is apparent beyond the site boundary following the daily inspections, the operator will implement further control measures including (but not limited to) the following: - Sourcing the road sweeper immediately, - Reducing stockpiles heights, - Using tarpaulin to cover stockpile0s (if possible), or, - Increased suppression measures and dampening down of stockpiles. The above measures along with the sites dust management plan which covers all potential dust sources and mitigation measures in further detail will minimise potential impacts on the sensitive receptors detailed in section 2.2 and the 'receptor' column of this table (doc ref: 2531-002-H).
B	Odour	Stored biodegradable waste Cracks in concrete leading to trapped waste Warm weather	Air	Site personnel/ visitors Surrounding site users/occupiers Receptors listed in Table 2.1 and on Drawings in Appendix II	A, D	MI TO MO	3	Low to near zero	Strict waste acceptance procedures to identify potentially odorous wastes and their containment The site does not receive any waste types which would be regarded as having significant odour potential i.e. putrescible, food or green waste Any wastes considered unsuitable after deposit will be assigned to the quarantine/rejected skip and removed from site within <48 hours or when the container is full (whichever is sooner). The materials accepted are not expected to be odour or pest generating. The loads are inspected upon acceptance to the site so it is unlikely that these materials would be accepted at the site or need to be stored/ quarantined at the site, the rejected/ quarantine skip acts as a secondary measure. Daily monitoring and complaints procedure in place. Please refer to the complaint's procedure detailed in section 2.2 of this risk assessment which is always in place at the site
C	Litter	Pre-processing stockpile Unsheeted / poorly sheeted skips on delivery vehicles Mechanically sorted waste bays Light waste Poor housekeeping	Air	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A TO C E,F	MI TO MO	4	Low to near zero	All light waste would be contained or stored within dedicated storage bays not exceeding the height of the bay All drivers will ensure their skips / containers are securely sheeted / contained prior to carriage of waste loads Daily inspections of the site and areas in the immediate vicinity of the site boundary for litter The physical properties of the waste types handled at the site will not result in litter – can only be a result of non-conforming waste(s) – waste acceptance and handling procedures in place to prevent occurrences

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
D	Noise/ vibration	Plant and machinery Tipping / loading waste into vehicles Internal treatment plants	Air	Site personnel/ visitors Surrounding site users/occupiers Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A, D	MO	3	Low	Please refer to the site-specific noise impact assessment and noise & vibration management plan produced by Nova Acoustics. The site is situated on an industrial estate and surrounded by numerous industrial activities. Drop heights will be kept to a minimum i.e. 1-2m. Treatment plant will only be operated during the hours specified with the Noise Impact Assessment. Management will ensure that all loading plant operated is functioning suitably i.e. moving parts to be regularly lubricated. Operatives will be informed to turn off engines when the plant is not in use and no revving of engines will be permitted at the site. Provision of appropriate instruction and training for site personnel on the operation of plant and equipment. Any malfunctions in plant i.e. missing screws/bolts which result in excessive noise will be decommissioned until an alternative loading plant sourced. If repairs to the site are required, the work is to be undertaken with due regard for the possible noise nuisance and during the normal working day. In the event of major repair work being undertaken, which is likely to cause significant noise and disruption, neighbouring residents and the local planning authority will be notified in advance. Please refer to the complaint's procedure detailed in section 2.2 of this risk assessment which is always in place at the site
E	Vermin (leptospirosis etc.)	Stored wastes	Water, direct contact with waste	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A TO C	MI TO MO	4	Low to near zero	Wear PPE - gloves and masks as appropriate Site inspections undertaken daily Any wastes considered unsuitable after deposit will be assigned to the quarantine/rejected skip and removed from site within <48 hours or when the container is full (whichever is sooner). The materials accepted are not expected to be odour or pest generating. The loads are inspected upon acceptance to the site so it is unlikely that these materials would be accepted at the site or need to be stored/quarantined at the site, the rejected skip acts as a secondary measure. The site does not receive any waste types which would be regarded as putrescible/ biodegradable.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									Pest controller called in the event of pests being present at the site or complaints received from receptors
F	Fire/ smoke / particulates	Plant exhausts Storage of wastes Combustion of wastes	Air, direct contact	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A TO F	MI TO S	3	Medium to near zero	No fires on site No smoking permitted on site Good site security Low storage volumes and retention times reduces risk of fire Preventative maintenance procedures for on-site plant and vehicle fleet. All mobile and fixed plant on site including vehicles in the fleet are subject to annual manufacturer maintenance to ensure proper working order in the form of service contracts. Further details of the sites preventative maintenance have been outlined within the site's EMS and FPP. Reference should be made to the operator's fire prevention & mitigation plan (2531-002-B) The operator has a fire risk assessment which has been produced by a third-party assessor
G	Vehicle collision/ accident	Mud on roads from waste storage & vehicle bodies Poor visibility	Direct contact	Site personnel/ visitors Vehicle users Pedestrians Animals	A TO F	MI TO S	3	Medium to near zero	Good housekeeping/ vehicle management i.e. daily inspections, keeping site clean at all times, appropriate signage, annual maintenance of plant etc. Stockpile management i.e. ensuring stockpiles are stored appropriately (<i>within the relevant storage area or bay</i>) and not over vehicles running surfaces An accident logbook should be kept for all incidents Encouragement for staff for greater number of "accident-free days" to encourage a safer working environment HSE compliant risk assessments for all site activities to identify situations which may lead to harm for site users The site will not operate in conditions of poor visibility such as dense fog

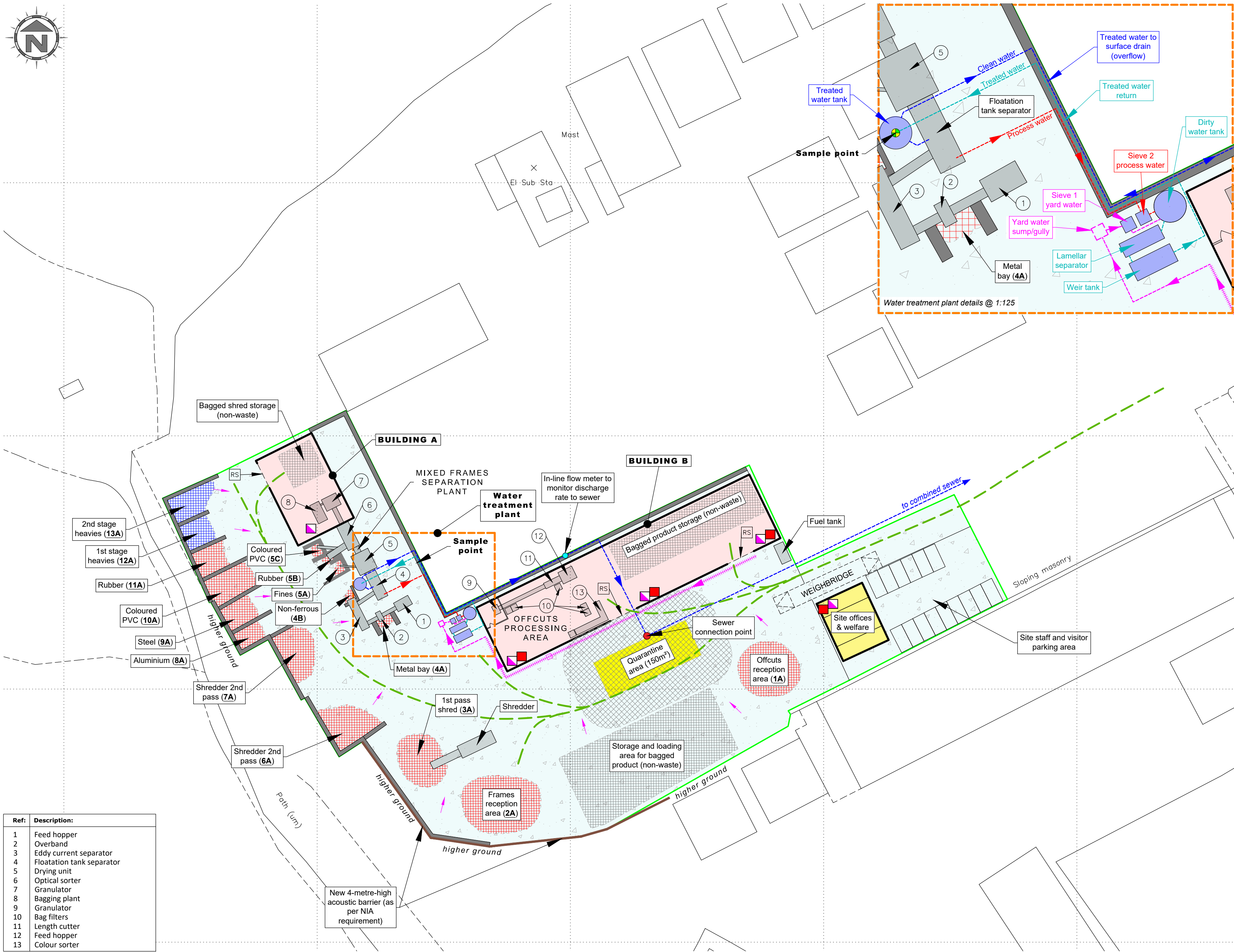
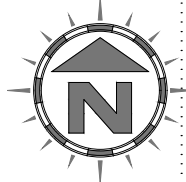
Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
H	Leachate	Stored wastes	Ground	Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	E, F	MI TO S	4	Low to near zero	Waste storage & treatment is undertaken on an impermeable concrete surface with sealed drainage All wastes which are liable to give rise to contamination will be removed from site if the site is not secure or operations at the site are suspended. Daily checks of site surface and infrastructure Any spillages identified will be dealt with in accordance with the spillage procedures outlined in the EMS. In the event of a spillage a spill containment kit (absorbent pads, booms or granules) will be used to prevent further spillage and the contaminated absorbents placed in a skip for disposal to a suitably permitted facility All site surfaces will be inspected daily for the presence of spillages when the site is in operation. Debris will be swept as required and placed in a skip for further processing on site and sent to a suitably permitted site. Dedicated mobile quarantine skip for leachable wastes and quick removal off site. The skip may be positioned in various positions of the site depending on how operations permit.
I	Impact/ injury	Collapse of stored materials/ falling materials	Direct contact	Site personnel/ visitors Surrounding site users/occupiers	A TO C	MI TO S	3	Low to near zero	Storage heights will be kept to a minimum, and stored wastes will be within bays where possible Drop heights will be kept to a minimum (i.e. 1-2 metres above ground level) Appropriate PPE issued to all site staff and available in the main site office Staff training and handling procedures in place
J	Hydrocarbons	Unbunded fuel tanks Drips when refuelling During delivery Leakage from stored drums Plant failure	Ground - direct contact, ingestion Inhalation (of volatiles)	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A, B, D, E, F	MI TO S	3	Low to near zero	Any fuel tanks (and pipework) to be stored within a bunded area and locked when not in use. If any fuel or liquids are stored at the site, bunds will be capable of containing a minimum of 110% of the volume of fuel/liquids. Vehicle maintenance and repairs will be carried out inside the existing building on an impermeable surface. Where the plant is operated; drip trays will be available to ensure that fuels are contained (if practical). Ensure that all fuel storage continue to be stored securely Spill kits kept close to source(s) of hazards

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									Preventative maintenance procedures for on-site plant and vehicle fleet. All mobile and fixed plant on site including vehicles in the fleet are subject to annual manufacturer maintenance to ensure proper working order in the form of service contracts. Further details of the sites preventative maintenance have been outlined within the sites EMS and FPP. Concrete surface and drainage system will reduce the impacts of any spills Spillages identified will be dealt with in accordance with the spillage procedures outlined in the EMS.
K	Release of gases/fumes/ vapours/ volatiles	Spillage of chemicals Overtured vehicle plant/plant failure	Air Ground Water Confined spaces	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	A TO F	MI TO S	4	Low to near zero	No hazardous waste accepted Ensure any storage of hazardous substances in properly designated areas (i.e. workshop/store or in the site office). Preventative maintenance schedule for plant/machinery Quarantine of rejected (i.e. potentially hazardous) wastes
L	Discharge from the site (Drainage) Water Treatment prior to discharge	Discharges to sewer	Water	Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	E & F	MI TO MO	3	Low-Near zero	The water treatment plant is situated on a sealed impermeable concrete pad; all water (yard water and water within the treatment plant) from the site will be subject to water treatment prior to discharge. The water will be continuously recirculated into the processing line, the treated water tank benefits from an overflow pipe, once the tank reaches approximately 90% capacity the overflow water will be discharged to sewer under a Trade Effluent Consent at the point detailed on the Site Layout Plan. Details of the water treatment process are detailed below: - Water is drawn off the processing line at the flotation tank separator and will pass through a designated sieve. The yard water will pass through its own designated sieve. The sieves will be utilised to remove any fines from the water. Both sieves will connect to a combined process and yard water 'Dirty Water Tank'. - Water will then pass through a lamellar separator which will further remove any fines from the water before entering the weir tanks which will also remove fines from the water. The sieves, lamellar and weir tanks act as a 3 stage fines separator.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									- The water will then be transferred to the clean/treated water tank where it will be recirculated back into the flotation tank separator which forms part of the plastics processing line. - The treated/clean water tank benefits from an overflow discharge pipe, once the tank reaches approximately 90% capacity, overflow water will pass through a flow meter and be discharged to a United Utilities controlled sewer asset under a Trade Effluent Consent. - The above process will be repeated to ensure continuous recirculation of treated water. The water treatment process is detailed on the Site Layout Plan and Process Flow diagram shown in Appendix II. It is anticipated that water will be sampled for the following determinants; antimony (dissolved), arsenic (dissolved), Barium (dissolved), cadmium (dissolved), chromium (dissolved), copper (dissolved), lead (dissolved), mercury (dissolved), molybdenum (dissolved) nickel (dissolved), selenium (dissolved), zinc (dissolved), turbidity, pH, ammoniacal nitrogen, chloride, sulphate, phosphate, suspended solids, total dissolved solids, chemical oxygen demand and total organic carbon at the Sampling Point detailed on the Layout Plan. The above determinants to be sampled are subject to change during discussions with United Utilities as part of the Trade Effluent Discharge Consent application. For any water which is not suitable for reuse within the processing line, the following measures are in place; water will be pumped directly from the treated and clean water tank and tankered off site. Water will discharge to a United Utilities sewer asset and will be controlled under a Trade Effluent Discharge Consent.
M	Acceptance, storage & treatment of wates	Stored wastes Waste acceptance and storage	Ground Water	Site personnel/ visitors Surrounding site users/occupiers Surface waters Flora & fauna Deciduous woodland Receptors listed in Table 2.1 and on Drawings in Appendix II	D, E & F	MI	3	Near Zero	All material will be accepted, stored and processed on a sealed impermeable surface. No hazardous waste accepted at the site. Regular (minimum daily) checks of site surface infrastructure. Any spillage identified will be dealt with in accordance with spillage procedures and sill kits are available at the site. Please refer to rows A - L of this table which provides site specific details with regards to how the site is operated with consideration to all surrounding receptors listed in Table 2.1 and shown on the Drawings in Appendix II. The aforementioned rows detail the relevant mitigation and control measures implemented at the site to reduce the impact of any potential environmental hazards i.e. dust, noise, odour, fire, discharges etc.

Appendix II

Drawings



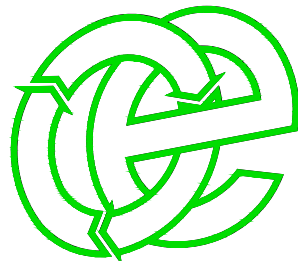
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REVISION HISTORY			
Rev:	Date:	Init:	Description:
-	20.06.23	RS	Initial drawing
A	27.09.23	RS	Minor amendments
B	12.12.23	RS	Water treatment system added
C	04.06.24	RS	Water treatment system updated
D	06.08.25	RS	Layout and treatment system amended

- KEY:**
- Permit boundary
 - Stored combustible wastes
 - Stored non-combustible wastes
 - Non-waste storage areas
 - Sealed buildings
 - Concreted areas
 - Other buildings (offices, etc.)
 - Quarantine areas (with 6m buffer zone)
 - Mains water (TBC)
 - Spill kit
 - Fire fighting equipment (extinguishers, etc.)
 - Access routes for emergency vehicles
 - Fire alarm
 - Yard water drainage
 - Process water drainage
 - Combined process and yard water drainage
 - Clean (treated) water drainage
 - Linear yard drainage channel (Aco or similar)
 - Fall direction arrows (yard drainage)
 - Manhole to be plugged / shut-off in event of a fire for surface water drainage containment
 - RS Roller shutter door access (fast action)
 - Effluent sample point (for treated process and yard water prior to final surface water discharge to public sewer)

Scale Bar (1:500)
0 m 5 10 15 20 25 m

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants



DRAWING TITLE
LAYOUT & FIRE PLAN

CLIENT
Recycling PVC Ltd

PROJECT/SITE
376 Higginsshaw Lane, Oldham OL1 3LA

SCALE @ A2 1:500	CLIENT NO 2531	JOB NO 002
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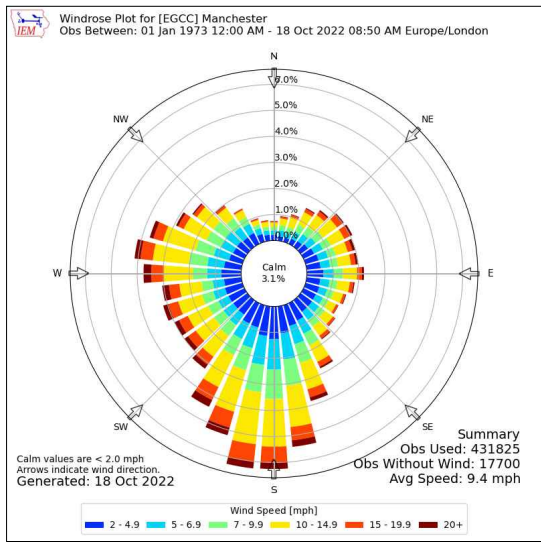
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DRAWN BY RS	CHECKED RS	DATE 06.08.25
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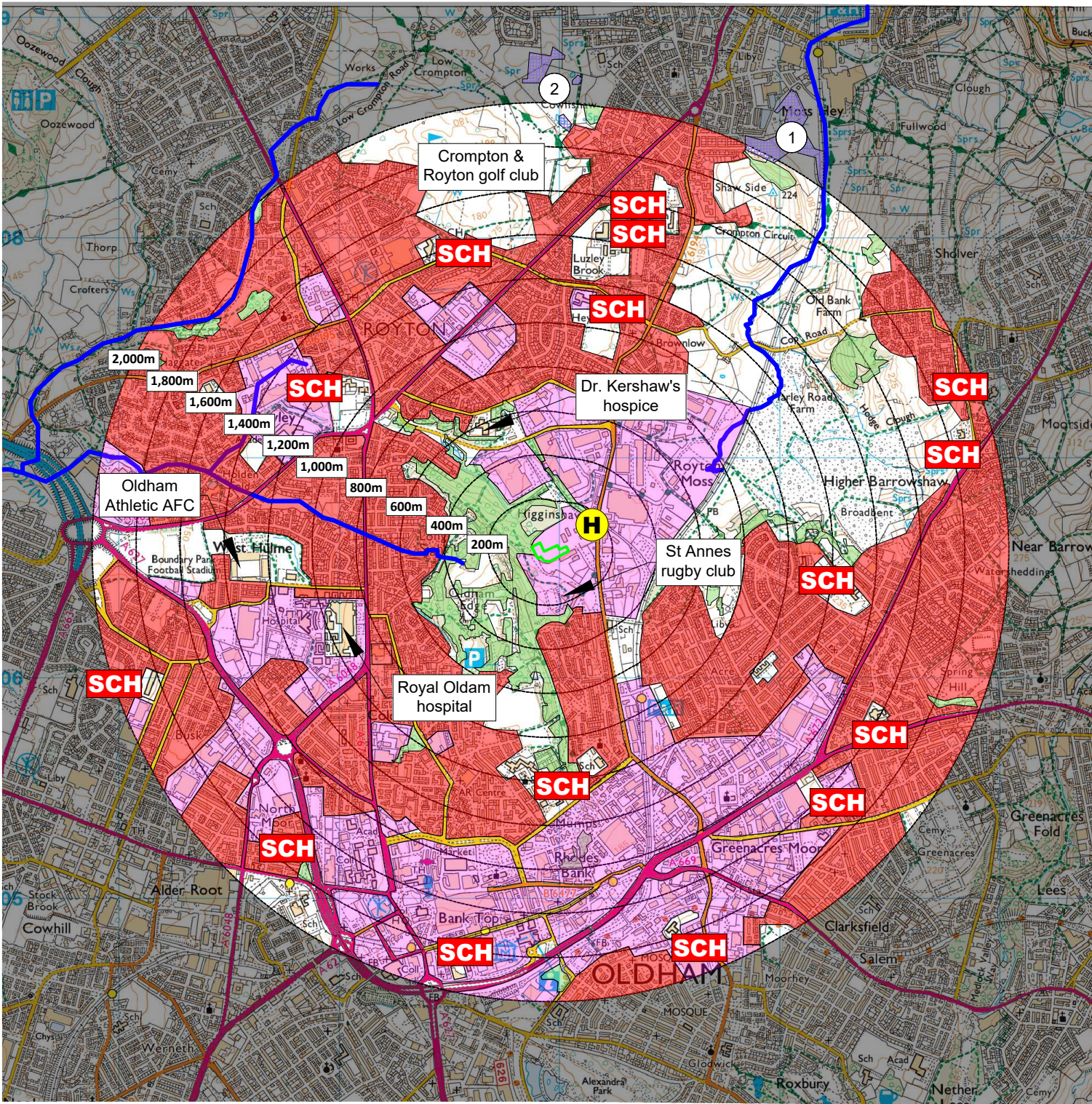
Lime House, Road Two, Winsford, Cheshire, CW7 3QZ
t: 01606 558833 | e: sales@oaktree-environmental.co.uk

KEY:

- Permit boundary
- Main River
- Surface water body (river / stream / pond / pool / lake)
- Workplaces (includes agriculture industry, commerce and retail)
- Areas with mix of residential, retail and commercial properties
- Residential blocks
- Class A,B,C roads
- Nearest fire hydrant
- Railway line
- SCH School
- Woodland areas
- Priority habitats (Deciduous Woodland)
- Sites of Biological Importance (SBIs)



Compass Wind Rose for Manchester (EGCC)
Period 1973-2025
- source: Iowa State University



NOTES

- Boundaries are shown indicatively.
- Wind rose data shows the prevailing wind direction to be Southerly.

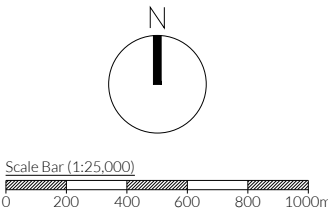
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REVISION HISTORY

Rev:	Date:	Init:	Description:
-	29.07.25	JH	Initial drawing

Sites Of Biological Importance

Ref	Details
1	Shaw side
2	Ponds at Cowlshaw Farm



TITLE:

RECEPTOR PLAN 2km

CLIENT:

Recycling PVC Limited

PROJECT/SITE:

376 Higginsshaw Lane, Oldham OL1 3LA

SCALE @ A3:

1:25,000

CLIENT NO:

2531

JOB NO:

002

DRAWING NO:

2531-002-04

REV:

-

STATUS:

Issued

DATE:

29.07.25

DRAWN:

JH

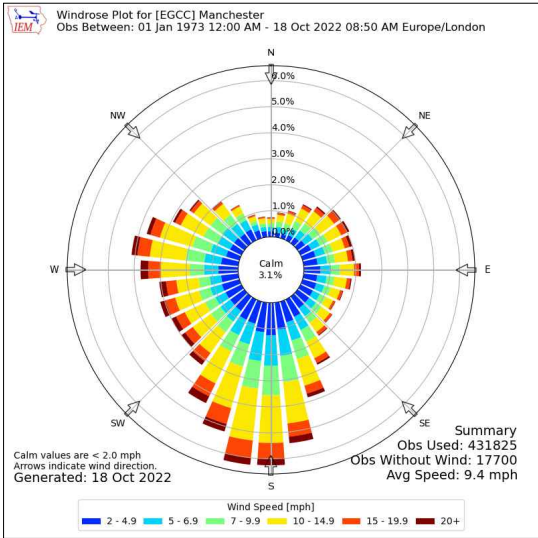
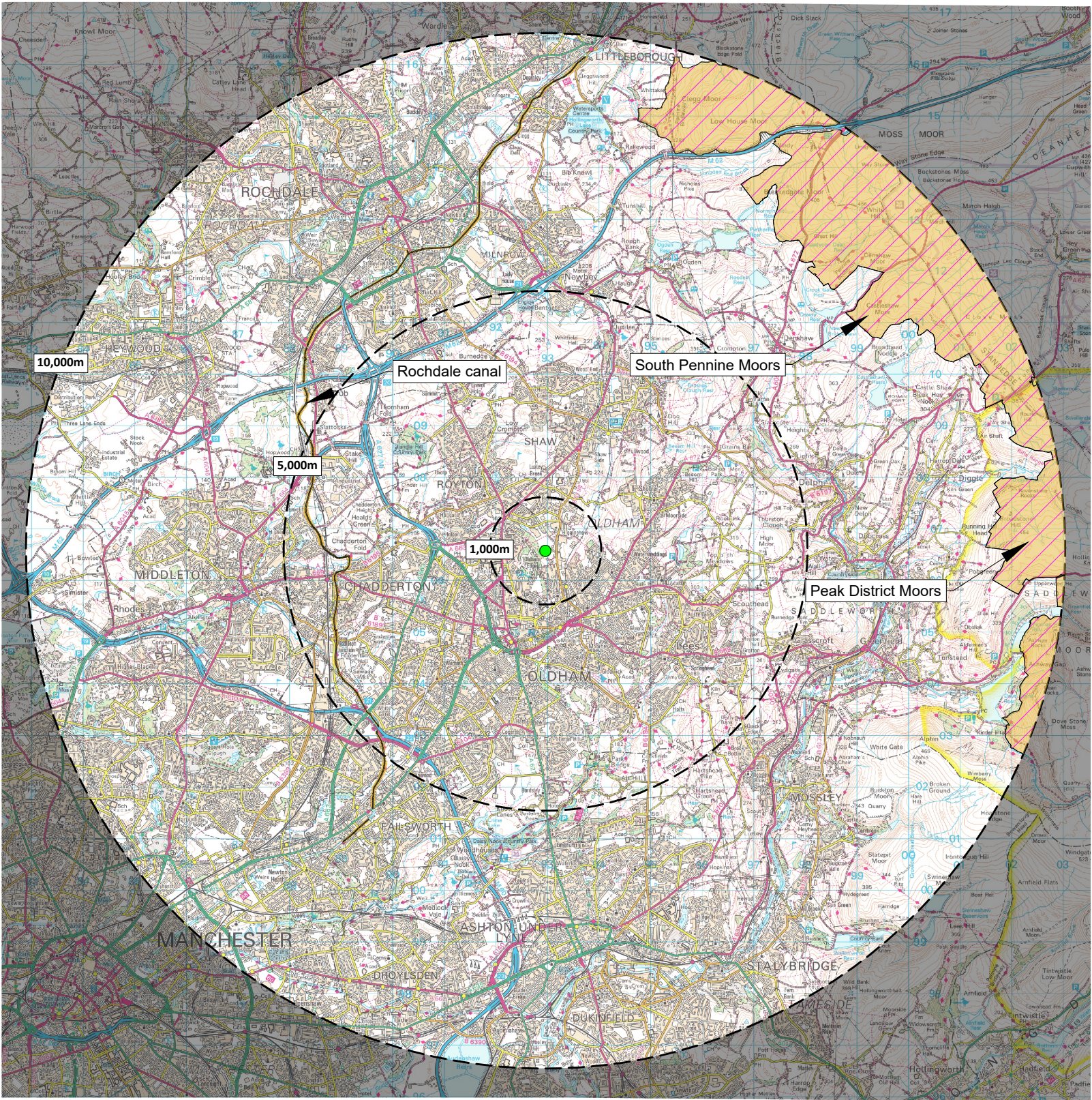
CHECKED:

RS



KEY:

- Site location
- Class A,B,C roads
- Railway line
- Special areas of conservation (SACs)
- Special protection areas (SPAs)



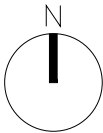
Compass Wind Rose for Manchester (EGCC)
Period 1973-2025
- source: Iowa State University

NOTES

- Boundaries are shown indicatively.
 - Wind rose data shows the prevailing wind direction to be Southerly.
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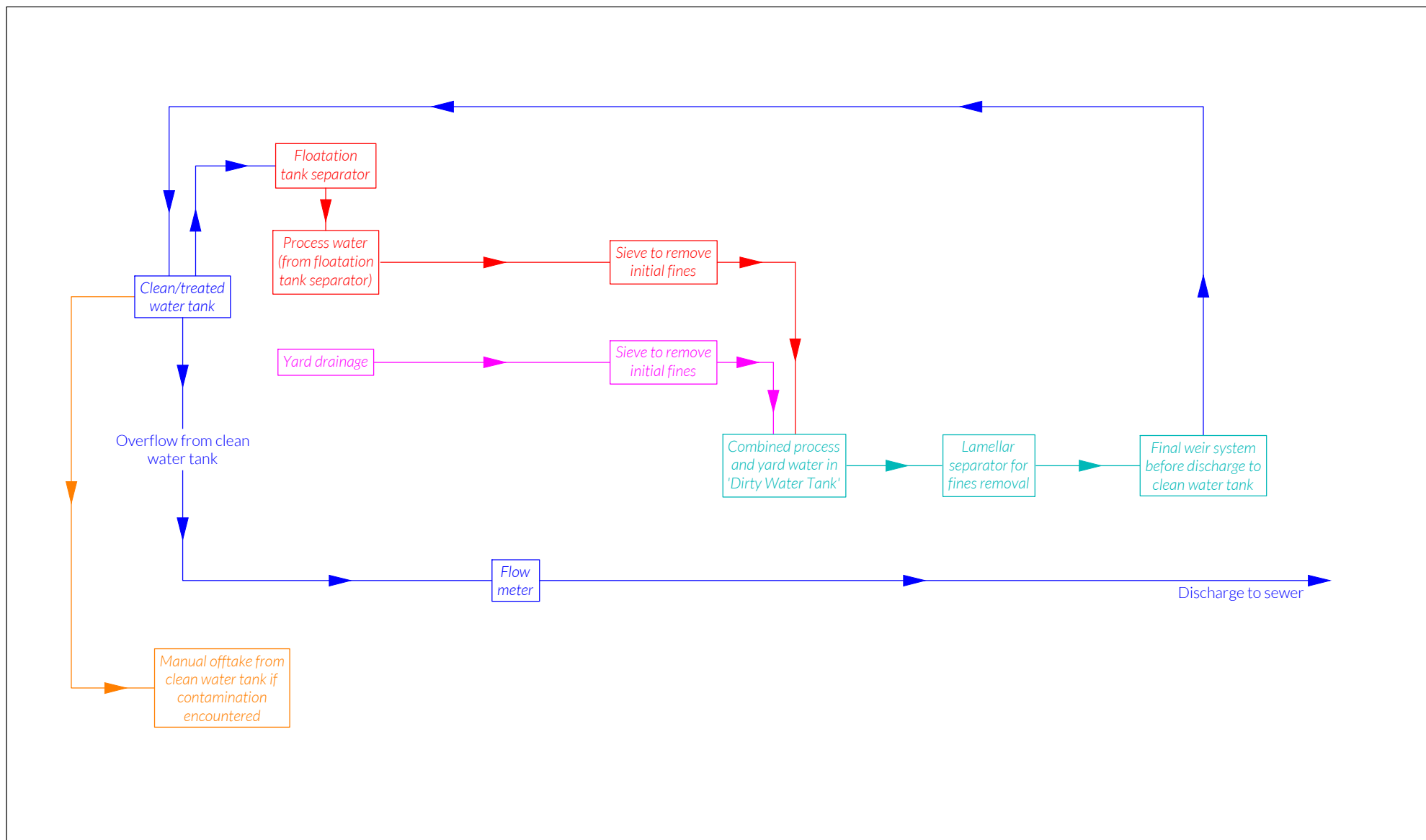
REVISION HISTORY

Rev:	Date:	Init:	Description:
-	28.07.25	JH	Initial drawing



TITLE: RECEPTOR PLAN 10km		
CLIENT: Recycling PVC Limited		
PROJECT/SITE: 376 Higginsshaw Lane, Oldham OL1 3LA		
SCALE @ A3: 1:100,000	CLIENT NO: 2531	JOB NO: 002
DRAWING NO: 2531-002-05	REV: -	STATUS: Issued
DATE: 28.07.25	DRAWN: JH	CHECKED: RS





TITLE: WATER TREATMENT PROCESS	PROJECT/SITE: 376 Higginshaw Lane, Oldham OL1 3LA	KEY:  Process water  Yard water  Combined process and yard water  Clean water  Manual offtake	NOTES: Drawing for indication only. Reproduced with the permission of the controller of H.M.S.O. © Crown Copyright and database rights 2025. OS AS0000813445. This drawing is copyright and property of Oaktree Environmental Ltd.								
CLIENT: Recycling PVC Ltd	SCALE @ A4: Not to scale CLIENT NO: 2531 JOB NO: 002		REVISION HISTORY <table><tr><th>Rev:</th><th>Date:</th><th>Init:</th><th>Description:</th></tr><tr><td>-</td><td>06.08.25</td><td>RS</td><td>Initial drawing</td></tr></table>	Rev:	Date:	Init:	Description:	-	06.08.25	RS	Initial drawing
Rev:	Date:			Init:	Description:						
-	06.08.25	RS		Initial drawing							
 Oaktree Environmental Waste, Planning & Environmental Consultants 	DRAWING NO: 2531-002-06 REV: - STATUS: Issued										
	DATE: 06.08.25 DRAWN: RS CHECKED: RS	Scale Bar (1:1,250) 									