SESL 8 – Environmental Risk Assessment – at Sweeptech Environmental Services Ltd, 5 Ross Road, Rossmore Industrial Estate, Ellesmere Port, Cheshire, CH65 3DB

INTRODUCTION

As part of an application for an environmental permit Operators must assess the risk to the environment and human health from the activities they seek to permit.

This Environmental Risk Assessment has been undertaken in accordance with the online Environment Agency Guidance for undertaking environmental risk assessments.

Environmental risks relevant to the proposed activities are:

- Emissions to Air;
- Emissions to Water;
- Emissions to Land;
- Odour;
- Noise;
- Litter;
- Pests;
- Vandalism;
- Fire; and
- Incompatible Feedstock.

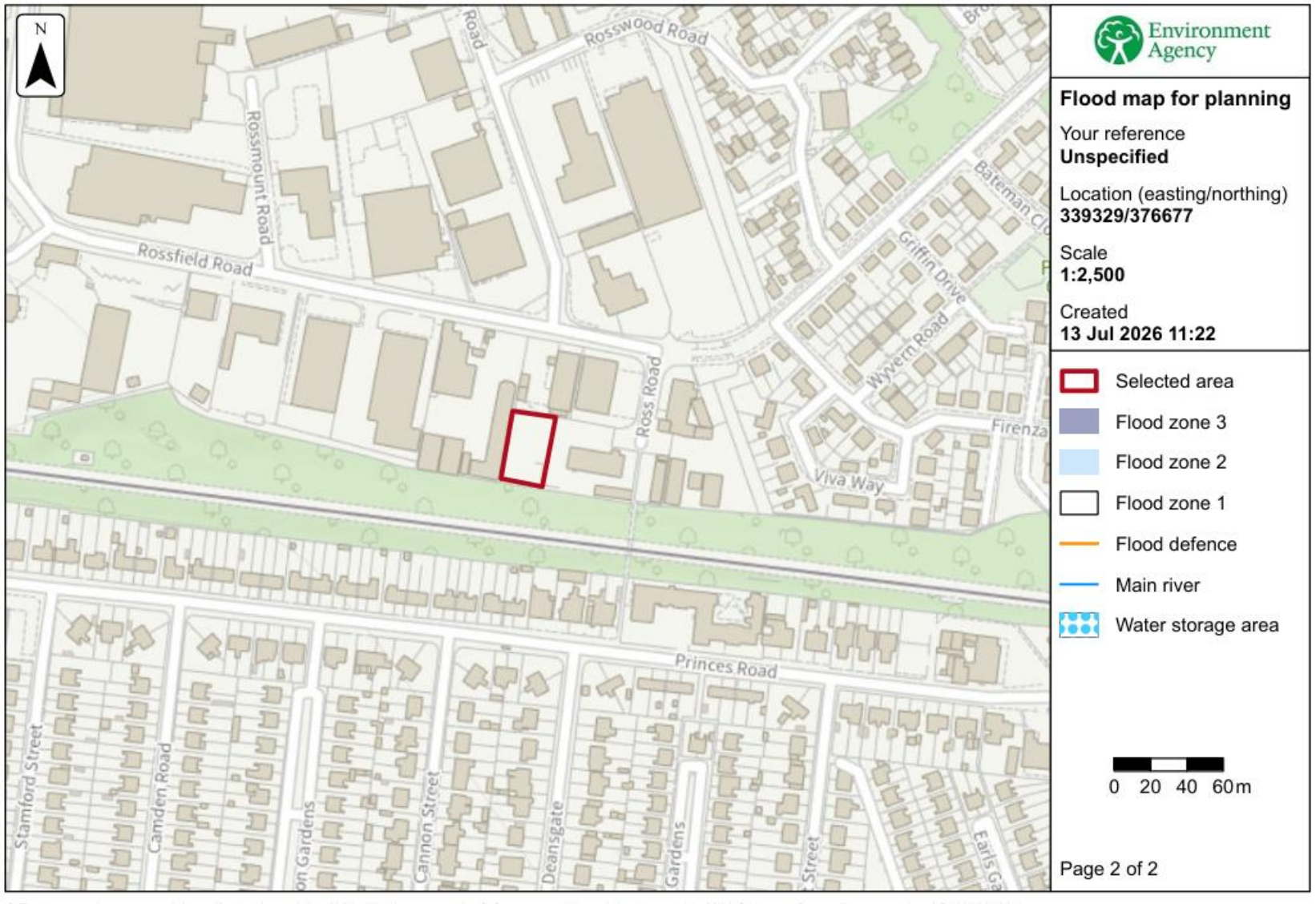
For each of the above environmental criteria the approach to the assessment has followed the following four stage process:

- Identify the risks;
- Assess the risks (assuming those control measures proposed are in place);
- Choose appropriate further measures to control these (if required); and
- Present the assessment.

Hazard	Receptor	Pathway	Risk Management Techniques	Probability of Exposure	Consequences	Overall Risk (following mitigation)
Point Source\Releases to Air	Atmosphere	Airborne	• There will be no point source emissions to air from the facility.	Very Low: offsite receptor impact.	Air Pollution	**VERY LOW** due to the proposed processes on site.
Emissions to water - Wirral Operational Catchment	Groundwater /Geology / Surface Water	Water borne	• There are no point source emissions to controlled waters. • The dewatering activity will be located on a sealed concreate pad. The entire pad will drain to the foul sewer. • The sealed concrete pad also has a curbed edge to prevent run-off. • There will be no hazardous wastes delivered to site.	Very Low: all runoff is controlled on site and as a result the risk is very low.	Contamination	**VERY LOW** Due to the proposed Management techniques and Drainage arrangement.
Emissions to land	Groundwater / Geology / principal aquifer	Spills / Leaks	• The whole operation will be located on sealed drainage. • There will be no emissions to land arising from the proposed facilities changes to the permitted activities. • Spill kits will be strategically located around site. • Minor spills to be cleaned up immediately using spill kits. Resultant materials to be placed in container for offsite disposal to appropriate facility, if necessary. • Immediate action to be taken in event of any major spills. Spillage to be cleared immediately and placed in containers for offsite disposal. EA to be informed. • Although the risk from potentially polluting leaks and spillages at the site is considered to be very low, in the event of a spillage immediate measures will be taken to contain and manage it in accordance with the above procedures.	Very Low: spills / leaks could potentially contaminate the ground / groundwater Underneath the site.	Contamination	**VERY LOW** Due to the proposed Risk management techniques.
Noise	Local Residents	Airborne	• Vehicle deliveries will only take place during daytime hours 7-5 mon to Fri, and 07. • 07:00 to 13.00 on Saturdays, closed Sundays and public bank holidays. • On site, vehicles will be fitted with 'white noise' reversing alarms. • Appropriate preventative maintenance will be provided for the various elements of the facility. This will ensure no deterioration of plant or equipment that would give rise to increases in noise. • All equipment has been designed to ensure that any noise does not present an issue to the employees at the site under the Control of Noise at Work Regulations, and also to ensure that noise breakout does not lead to noise nuisance at the identified sensitive receptors. • All vehicles and equipment will be switched off when not in use to prevent idling. • The facility will not give rise to reasonable cause for annoyance. • In the unlikely event that complaints are received full investigation and mitigation will be commencing. • There is no physical treatment of waste and as a result there is no mechanical sounds associated with these activities.	Low – due to all the site being located on an industrial estate with manufacturing and waste management companies.	Nuisance	**LOW** due to the proposed risk management technique.

			• The company's other permitted sites have not received noise complaints and			
Odour	Local Residents	Airborne	• Waste contracts will be in place to ensure the consistency of the waste is continuous. • Waste contains minimal organic matter due to nature of sites swept (see non-technical summary) waste is not stored for long periods meaning the opportunity for odour to be created is low. • To prevent excessively odorous waste from arriving on site, the site has stringent waste acceptance procedures waste will be rejected by site should it be deemed malodourous. • Inspections will happen daily to inspect the site for odours. Any odorous waste will be prepared for removal off site immediately. • Sumps will be regularly cleaned emptied in accordance with good housekeeping measures. • Any complaints will be actioned in accordance with the site complaints procedure and recorded in the site diary.	Low: due to the waste stream not being odorous.	Nuisance	**LOW** due to the proposed risk management techniques.
Dust	Local Residents	Airborne	• The operation is not dusty in its nature. • The waste is in liquid or sludge form. • Surfaces will be kept free from dust and debris.	Very Low: due extensive dust suppression equipment and methods being employed.	Nuisance	**VERY LOW** due to the proposed risk management techniques.
Litter	Local Residents	Airborne & migration	• All incoming and exporting waste sealed or covered. • The site shall be inspected daily by the site manager and any litter or accumulated debris shall be dealt with immediately. • Any complaints will be actioned in accordance with the site complaints procedure and recorded in the site diary. • Litter will be picked on a weekly basis.	Very Low: due to feedstock being assessed for litter.	Nuisance	**VERY LOW**
Pest	Local Residents	Airborne and migration	• A pest control company is contracted to undertake fortnightly inspections of the site. • The waste types do not attract pests. • Vermin baited traps will be located on the site on a permanent basis. • Should pests be identified, reasonable measures will be taken to use commercially available products and services to control pests.	Very Low risk of pets on site is possible.	Nuisance	**VERY LOW** due to the proposed risk management techniques.
Vandalism	Operator	The site could be subject to intentional vandalism and damage by intruders / trespassers who could cause damage or harm to the site or	• The site has a CCTV system with motion sensors across the site. • The site entrances are secured by lockable gates. • Site is secure and the entire site is bounded fencing. • Unauthorised access is prohibited onsite. • The site perimeter is inspected daily by operations staff to identify deterioration and damage and the need for repair. • Fencing is maintained and repaired to ensure its continued integrity. If damage is sustained, repair will be made within the same working day. If this is not possible, suitable measures will be taken to prevent unauthorised access to the site and permanent repairs will be affected as soon as is practicable.	Very Low: the occurrence of vandalism taking place on site is highly unlikely.	Nuisance, damage or fire.	**VERY LOW** Due to the proposed Risk management Techniques.

		cause fires.	• All visitors to the site are required to register in the visitor's book and sign out again on exit, thereby minimising the risk of unauthorised visitors on the site.			
Fire	Operator / Residential Properties	Windborne	• No waste that will be accepted at the site will be flammable.	VERY Low: the occurrence of a fire taking place.	Fire	**VERY LOW** Due to lack of combustible waste.
Incompatible Feedstock	Operator / Residential Properties	If incorrect waste is accepted on site, it could result in adverse emissions/ breaking of equipment	• The following methods will be implemented to ensure that incompatible feedstock's do not compromise the safe operation of the plant: • All wastes accepted onto site have been subject to 'pre-acceptance' in accordance with the sites Environmental Management System; • All incoming wastes are accepted in accordance with the sites Environmental Management System; • Any non-conforming waste will be quarantined and rejected from site in accordance with the sites Environmental Management System. • Only sweeptech tipping at site. If non-conforming waste is received it would be limited to the one receiving skip which can be taken out of service and quarantined all on sealed drainage.	Low: off-site receptor impacts.	Nuisance /Adverse Emissions	**VERY LOW** Due to the proposed Risk management Techniques.
Flooding	Operator	Surface and coastal waters	• The site is not located within a floodzone. • The site sites within Flood zone 1	Low: off-site receptor impacts	Flooding	**VERY LOW** due to the proposed processes and management techniques as described within the summary EMS


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Rossmount Road
Rossfield Road
Rosswood Road
Ross Road
Griffin Drive
Wyvern Road
Viva Way
Princes Road
Stamford Street
Camden Road
Cannon Street
Deansgate
Environment Agency
Flood map for planning
Your reference
Unspecified
Location (easting/northing)
339329/376677
Scale
1:2,500
Created
13 Jul 2026 11:22
Selected area
Flood zone 3
Flood zone 2
Flood zone 1
Flood defence
Main river
Water storage area
0 20 40 60m
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