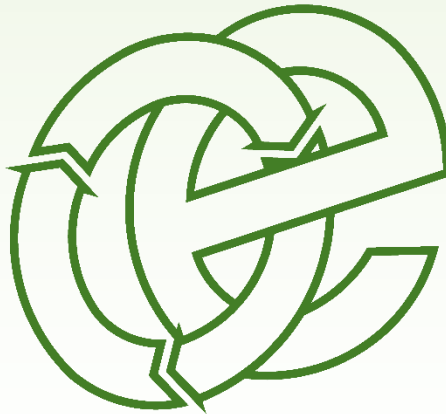


ENVIRONMENTAL RISK ASSESSMENT

Morson Road, Enfield, EN3 4NQ

A&P Skips Limited

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Appendices

Appendix I - Drawings

1 Introduction

- 1.1 This Environmental Risk Assessment considers the potential and actual risks associated with the use of the site at Morson Road, Enfield, EN3 4NQ as a waste facility that will predominantly accept HCl wastes.
- 1.2 The site will be operated by A&P Skips Limited in accordance with a fully comprehensive Environmental Management System (EMS) and Environmental Permit, regulated by the Environment Agency (EA).
- 1.3 All site staff should be provided with a copy of this Environmental Risk Assessment and be aware of where it is located on site.
- 1.4 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.
- 1.5 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.
- 1.6 Specified waste management operations include waste disposal and waste recovery operations listed Annex IIA and IIB of The Waste Framework Directive 2008/98/EC and are listed in summary below:
- D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)
 - R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
 - D14: Repackaging prior to submission to any of the operations numbered D1 to

- D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12
- R3: Recycling/reclamation of organic substances which are not used as solvents
- R4: Recycling/reclamation of metals and metal compounds
- R5: Recycling or reclamation of other inorganic materials.

1.7 **Housekeeping**

1.7.1 Regular cleaning of operational areas (i.e. minimum once daily) such as site surface, roads, drainage channels etc.. will be carried out using mobile plant and water supplies to discourage odour/dust/pest generation from onsite materials. The materials will then be placed in a sealed rejected waste skip for removal.

1.7.2 In addition to daily visual monitoring of the site; site management will monitor the integrity of the building on a quarterly basis. In the event that there are any issues resulting in odour/dust escaping from the building then maintenance works will be carried out within 48 hours.

1.7.3 The operator will avoid emissions by committing to the following housekeeping:

1. Maintain a clean, well-organised site (Daily)
2. Jet spray and disinfect storage bays when emptied (Monthly)
3. Clean equipment that has been in contact with odorous/dust generating materials (Daily)
4. Carry out a deep clean of the reception / processing building once a quarter and record this in the site diary (Quarterly)
5. Concrete floors designed in a way that allows easy cleaning. Site surfaces and haul roads dampened to prevent adsorption of dust and odour producing residues (Daily)
6. Solid waste storage containers will be robust, easily cleanable, designed for safe handling, and constructed to prevent loss of wastes from the equipment during storage. If such equipment is used to store other wet or liquid producing wastes, or wastes composed of fine particles, such equipment shall in all cases be non-absorbent and leak-resistant.

2 Site Receptors

2.1 General

2.1.1 A Sensitive Receptors Plan is shown on Drawing No. 3101-003-04 which show all potentially sensitive receptors with 1 kilometre from the regulated facility.

2.1.2 There following protected designations and habitats in proximity to the site:

- Chingford Reservoirs (SSSI)
- Lea Valley (Local Wildlife Site)
- Deciduous woodland
- Flood zone 2

2.1.3 The Risk Assessment Table in Section 4 details how the site will manage potential risks to the above sites and other sensitive receptors.

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
- Ground
- Water
- 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	Effect of Consequences	Management Required?
S	SEVERE	In all cases
Mo	MODERATE	In most cases
Mi	MILD	Occasionally
N	NEGLIGIBLE	No

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 occurrence of hazard)**

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

	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 BELOW

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
DUST / PARTICULATES	<p>SITE SURFACES (DRY AND WINDY WEATHER)</p> <p>TREATMENT OF WASTE BY MECHANICAL PLANT</p> <p>LOADING OF WASTE USING MOBILE PLANT</p> <p>STORAGE OF POTENTIALLY 'DUSTY' WASTE INCLUDING PRE AND POST TREATED MATERIAL</p> <p>TRACKING OF DUST FROM MOBILE PLANT</p> <p>POOR HOUSEKEEPING</p> <p>DRY/WARM WEATHER CONDITIONS</p>	AIR	<p>SITE PERSONNEL/ VISITORS</p> <p>SURROUNDING SITE USERS/OCCUPIERS</p> <p>SURFACE WATER</p> <p>FLORA & FAUNA</p> <p>CHINGFORD RESERVOIRS (SSSI)</p> <p>LEE VALLEY (LOCAL WILDLIFE SITE)</p> <p>DECIDUOUS WOODLAND</p> <p>FLOOD ZONE 2</p> <p>AQMA</p>	A, B, D, E	MO	2	LOW	<p>SITE MANAGEMENT WILL ENSURE THAT ALL 'DUSTY' LOADS (TYPICALLY INERT MATERIALS) 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/COMPANY THAT THEY WILL NEED TO DELIVER LOADS TO THE SITE SHEETED/COVERED FOR ALL FUTURE DELIVERIES.</p> <p>WASTES ACCEPTED AT THE SITE TYPICALLY COMPRISE MIXED WASTES WHICH ARE NOT CONSIDERED TO BE DUSTY. ANY INERT WASTES WOULD BE PRE-SPRAYED BEFORE BEING LOADED/ UNLOADED TO REDUCE THE RISK OF DUST GENERATION DURING PROCESSING OPERATIONS.</p> <p>HOUSEKEEPING SCHEDULE IN PLACE (DETAILED IN SECTION 1.7)</p> <p>DROP HEIGHTS WILL BE KEPT TO A MINIMUM.</p> <p>CONTINUOUS MONITORING REGIME IN PLACE TO IDENTIFY ANY POTENTIAL FOR DUST LEAVING SITE BOUNDARY.</p> <p>PLEASE REFER TO THE COMPLAINTS PROCEDURE DETAILED IN SECTION 2.2 OF THIS RISK ASSESSMENT WHICH IS ALWAYS IN PLACE AT THE SITE.</p> <p>DURING TIMES OF EXTREME WIND (IN EXCESS OF >30MPH), THE PLANT WILL CEASE TO OPERATE</p> <p>THE SITE IS SITUATED IN PROXIMITY TO THE CHINGFORD RESERVOIR, LEE VALLEY WILDLIFE SITE AND DECIDUOUS WOODLAND; THE SITE WILL ENSURE THAT DUST IS CONTINUOUSLY MANAGED USING THE FOLLOWING MEASURES:</p> <ul style="list-style-type: none"> - THE SITE WILL IMPLEMENT A CONTINUOUS MONITORING REGIME TO IDENTIFY ANY POTENTIAL FOR DUST LEAVING THE SITE BOUNDARY. - ONSITE HOSEPIPES AVAILABLE WHICH CAN BE USED DURING LOADING/UNLOADING OF EXTERNAL BAYS/ OPERATIONS - SHEETING OF LOADS - MAIN TIPPING/RECEPTION AREA IS LOCATED INTERNALLY AND SUITABLE CONTAINMENT IS IN PLACE FOR EXTERNAL STORAGE AREAS IN THE FORM OF CONCRETE WALLS WHICH WILL SCREEN OPERATIONS AND REDUCE POTENTIAL WIND WHIPPING

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
								<p>THE ABOVE MEASURES WILL ENSURE THAT POTENTIAL DUST PARTICLES ARE CONTROLLED AND CONTAINED WITHIN THE FACILITY.</p> <p>ALL ONSITE MONITORING IS CONTINUOUS THROUGHOUT THE OPERATIONAL DAY BY 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.</p> <p>ADDITIONAL VISUAL MONITORING WILL BE UNDERTAKEN DURING DELIVERY (LOADING/UNLOADING) AND PROCESSING OPERATIONS TO ENSURE DUST IS NOT BEING GENERATED. IF DURING THE INSPECTIONS IT HAS BECOME APPARENT THAT DUST IS MIGRATING OFF SITE (WHICH WILL BE EVIDENT AS PART OF A VISUAL INSPECTION), THE SITE WILL IMPLEMENT ONE OF/OR ALL OF THE REACTIVE/CONTROL MEASURES DETAILED BELOW.</p> <p>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:</p> <ul style="list-style-type: none"> - SOURCING THE ROAD SWEEPER IMMEDIATELY, - REDUCING STOCKPILES HEIGHTS, - USING TARPULIN TO COVER STOCKPILES, OR, - INCREASED SUPPRESSION MEASURES AND FURTHER DAMPENING DOWN OF STOCKPILES. <p>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: 3101-003-H).</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
ODOUR	STORED WASTES POOR HOUSEKEEPING REJECTED WASTE	AIR	SITE PERSONNEL/ VISITORS SURROUNDING SITE USERS/OCCUPIERS AQMA	A, D	MI TO MO	3	LOW TO NEAR ZERO	<p>THE MAIN TIPPING/RECEPTION AREA IS LOCATED INTERNALLY AND SUITABLE CONTAINMENT IS IN PLACE FOR EXTERNAL STORAGE AREAS IN THE FORM OF CONCRETE WALLS/BAYS.</p> <p>LOW STORAGE VOLUMES AND STRICT TURNAROUND OF POTENTIALLY BIODEGRADABLE WASTE. MATERIAL IS NOT ANTICIPATED TO BE STORED ONSITE FOR LONGER THAN 1 MONTH AND INCOMING WASTE WHICH HAVE THE MOST ODOUR POTENTIAL ARE STORED FOR <72 HOURS PRIOR TO PROCESSING.</p> <p>HOUSEKEEPING SCHEDULE IN PLACE (DETAILED IN SECTION 1.7)</p> <p>STRICT WASTE ACCEPTANCE PROCEDURES TO IDENTIFY POTENTIALLY ODOROUS WASTES AND INITIATE CONTAINMENT.</p> <p>REFERENCE SHOULD BE MADE TO THE OPERATOR'S ODOUR MANAGEMENT PLAN (DOC REF: 3101-003-I).</p> <p>THE EMS HAS SPECIFIC TRAINING MEASURES FOR STAFF CONTINGENCIES IN THE EVENT OF PROBLEMATIC ODOUR</p> <p>REJECTED WASTES TO BE REMOVED OFF SITE.</p> <p>PLEASE REFER TO THE COMPLAINTS PROCEDURE DETAILED IN SECTION 2.2 OF THIS RISK ASSESSMENT WHICH IS ALWAYS IN PLACE AT THE SITE.</p>
LITTER	STORED WASTES UNSHEETED / POORLY SHEETED SKIPS ON DELIVERY VEHICLES LOOSE/MATERIAL POOR HOUSEKEEPING	AIR	SURFACE WATER SURROUNDING LAND / ADJACENT SITES REDUCTION IN VISUAL AMENITY INGESTION HAZARD FOR WILDLIFE CHINGFORD RESERVOIRS (SSSI) LEE VALLEY (LOCAL WILDLIFE SITE) DECIDUOUS WOODLAND FLOOD ZONE 2	A TO C E,F	MI TO MO	3	LOW TO NEAR ZERO	<p>ALL DRIVERS WILL ENSURE THEIR SKIPS / CONTAINERS ARE SECURELY SHEETED / CONTAINED PRIOR TO CARRIAGE OF WASTE LOADS.</p> <p>THE MAIN TIPPING/RECEPTION AREA IS LOCATED INTERNALLY AND SUITABLE CONTAINMENT IS IN PLACE FOR EXTERNAL STORAGE AREAS IN THE FORM OF CONCRETE WALLS/BAYS WHICH ENSURE THAT POTENTIAL LITTER GENERATING MATERIAL IS CONTAINED WITHIN THE SITE.</p> <p>DAILY INSPECTIONS OF THE SITE AND AREAS IN THE IMMEDIATE VICINITY OF THE SITE BOUNDARY FOR LITTER.</p> <p>ALL LIGHT WASTE / LITTER WILL BE PLACED INSIDE A SEALED SKIP. ANY WASTES CONSIDERED UNSUITABLE AFTER DEPOSIT WILL BE ASSIGNED TO THE QUARANTINE/REJECTED SKIP AND REMOVED FROM SITE TYPICALLY WITHIN <48 HOURS OR WHEN THE CONTAINER IS FULL (WHICHEVER IS SOONER).</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
NOISE/VIBRATION	<p>PLANT AND MACHINERY</p> <p>OPERATING TREATMENT PLANT</p> <p>TIPPING / LOADING WASTE INTO VEHICLES</p>	AIR	<p>SITE PERSONNEL / VISITORS</p> <p>SURROUNDING SITE USERS / OCCUPIERS</p> <p>RESIDENTIAL RECEPTORS</p> <p>CHINGFORD RESERVOIRS (SSSI)</p> <p>LEE VALLEY (LOCAL WILDLIFE SITE)</p>	A, D	MO	3	LOW	<p>DROP HEIGHTS WILL BE KEPT TO A MINIMISE NOISE / VIBRATION.</p> <p>ONLY OPERATE DURING THE HOURS LISTED IN THE EMS.</p> <p>MANAGEMENT WILL ENSURE THAT ALL LOADING PLANT OPERATED IS FUNCTIONING SUITABLY THROUGH PREVENTATIVE MAINTENANCE AND DAILY CHECKS TO ENSURE EFFECTIVE OPERATION, I.E. MOVING PARTS TO BE REGULARLY LUBRICATED.</p> <p>OPERATIVES WILL BE INFORMED TO TURN OFF ENGINES WHEN THE PLANT IS NOT IN USE ('NO-IDLING' POLICY) AND NO REVVING OF ENGINES WILL BE PERMITTED AT THE SITE.</p> <p>ANY MALFUNCTIONS IN PLANT I.E. MISSING SCREWS/BOLTS WHICH RESULT IN EXCESSIVE NOISE WILL BE DECOMMISSIONED UNTIL AN ALTERNATIVE LOADING PLANT SOURCED.</p> <p>PLEASE REFER TO THE COMPLAINTS PROCEDURE DETAILED IN SECTION 2.2 OF THIS RISK ASSESSMENT WHICH IS ALWAYS IN PLACE AT THE SITE.</p> <p>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.</p> <p>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.</p> <p>THE SITE IS LOCATED WITHIN AN ESTABLISHED INDUSTRIAL/ COMMERCIAL INDUSTRIAL AREA/BUSINESS PARK WITH NUMEROUS STORAGE AND DISTRIBUTION USES SUCH AS THE AMAZON EV PARK AND DHL SUPPLY CHAIN IMMEDIATELY TO THE NORTH OF THE SITE AND ADDITIONAL INDUSTRIAL USES SUCH AS EUROMIX AND PLANT HIRE SITES TO THE EAST AND NORTHEAST. THESE SITES WOULD BE EXPECTED TO GENERATE A SIGNIFICANT LEVEL OF NOISE THROUGH THE HIGH NUMBER OF HGV MOVEMENTS AND ONSITE INDUSTRIAL PROCESSES WHICH OFFSET NOISE GENERATED BY ONSITE OPERATIONS.</p> <p>THE RECEPTION AREA AND LOADING AREA INTO ANY PLANT IS LOCATED INTERNALLY WHICH WILL CONTAIN NOISE FROM THE FACILITY AND REDUCE NOISE LEVELS BEYOND THE SITE BOUNDARY</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
VERMIN (LEPTOSPIROSIS ETC.)	STORED PUTRESCIBLE/ BIODEGRADABLE WASTES	WATER, DIRECT CONTACT WITH WASTE	SITE PERSONNEL/ VISITORS SURROUNDING SITE USERS/OCCUPIERS	A TO C	MI TO MO	3	LOW	WEAR PPE - GLOVES AND MASKS AS APPROPRIATE. SITE INSPECTIONS DAILY. ANY WASTES CONSIDERED UNSUITABLE AFTER DEPOSIT WILL BE ASSIGNED TO THE QUARANTINE SKIP. PEST CONTROLLER CALLED IN THE EVENT OF PESTS BEING PRESENT AT THE SITE OR COMPLAINTS RECEIVED FROM RECEPTORS.
FIRE - SMOKE / PARTICULATES	PLANT EXHAUSTS STORAGE OF WASTES	AIR, DIRECT CONTACT	SITE PERSONNEL/ VISITORS SURROUNDING SITE USERS/OCCUPIERS PUBLIC SURFACE WATER CHINGFORD RESERVOIRS (SSSI) LEE VALLEY (LOCAL WILDLIFE SITE) DECIDUOUS WOODLAND FLOOD ZONE 2	A TO F	MI TO S	3	LOW TO NEAR ZERO	NO SMOKING OR FIRES ON PERMITTED SITE. GOOD SITE SECURITY I.E. SECURITY FENCING, GATES, CCTV TO PREVENT UNAUTHORISED ACCESS. PREVENTATIVE MAINTENANCE PROCEDURES FOR ON-SITE PLANT AND VEHICLE FLEET. THE MAIN TIPPING/RECEPTION AREA IS LOCATED INTERNALLY AND SUITABLE CONTAINMENT IS IN PLACE FOR EXTERNAL STORAGE AREAS IN THE FORM OF CONCRETE WALLS/BAYS; IN THE UNLIKELY EVENT OF A FIRE THE CONCRETE WALLS ACT AS FIRE BREAK TO REDUCE THE POTENTIAL SPREAD OF A FIRE. WASTE STORAGE AREAS ARE INSPECTED PRIOR TO CESSATION OF WORKS TO ENSURE THAT ANY POTENTIAL IGNITION SOURCES ARE REMOVED. NO WASTE IS ANTICIPATED TO BE STORED AT THE SITE FOR LONGER THAN 1 MONTH AT A TIME WHICH IS 2 MONTHS LESS THAN THE EA GUIDANCE PERMITS. SEALED DRAINAGE IN PLACE AND FIRE WATER CONTAINMENT MEASURES ARE READILY AVAILABLE I.E. KERBING AND BOOMS TO ENSURE THAT ANY POTENTIAL CONTAMINATED FIRE WATER IS CONTAINED AT THE SITE AND WILL NOT RUN-OFF ENTER GROUNDWATER, SURFACE WATER OR NEARBY RECEPTORS I.E. CHINGFORD RESERVOIRS, LEE VALLEY (LOCAL WILDLIFE SITE) AND DECIDIOUS WOODLAND. REFERENCE SHOULD BE MADE TO THE OPERATOR'S FIRE PREVENTION PLAN.

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
VEHICLE COLLISION/ ACCIDENT	MUD ON ROADS FROM WASTE STORAGE & VEHICLE BODIES POOR VISIBILITY	DIRECT CONTACT	VEHICLE USERS PEDESTRIANS ANIMALS	A TO F	MI TO S	3	LOW	GOOD HOUSEKEEPING (REFER TO SECTION 1.7)/ VEHICLE MANAGEMENT. STOCKPILE MANAGEMENT TO PREVENT TIPPING OF STOCKPILES ONTO VEHICLE HAUL ROUTES OR SITE WORKERS. WEAR PPE – HIGH VISIBILITY JACKET AS APPROPRIATE. 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 (EMPLOYEES, VISITORS AND MANAGEMENT).
LEACHATE	STORED WASTES	GROUND	SURFACE WATER / GROUNDWATER CHINGFORD RESERVOIRS (SSSI) LEE VALLEY (LOCAL WILDLIFE SITE) DECIDUOUS WOODLAND FLOOD ZONE 2	E, F	MI TO S	3	LOW	WASTE TYPES STORED EXTERNALLY AT THE SITE ARE STRICTLY NON-LEACHATE FORMING WASTES. 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. REGULAR CHECKS OF SITE SURFACE INFRASTRUCTURE IN ACCORDANCE WITH DAILY SITE INSPECTIONS AND HOUSEKEEPING (DETAILED IN SECTION 1.7). ANY SPILLAGES IDENTIFIED WILL BE DEALT WITH IN ACCORDANCE WITH THE SPILLAGE PROCEDURES OUTLINED IN THE EMS.
IMPACT / INJURY	COLLAPSE OF STORED MATERIALS/ FALLING MATERIALS	DIRECT CONTACT	SITE PERSONNEL/ VISITORS	A TO C	MI TO S	3	LOW	STORAGE HEIGHTS WILL BE KEPT TO A MINIMUM AS DETAILED WITHIN THE FPP AND STORED WASTES/PRODUCTS WILL BE WITHIN BAYS WHERE POSSIBLE. DROP HEIGHTS WILL ALWAYS BE KEPT TO A MINIMUM. APPROPRIATE PPE ISSUED TO ALL SITE STAFF AND AVAILABLE IN THE MAIN SITE OFFICE. STAFF TRAINING AND HANDLING PROCEDURES IN PLACE.

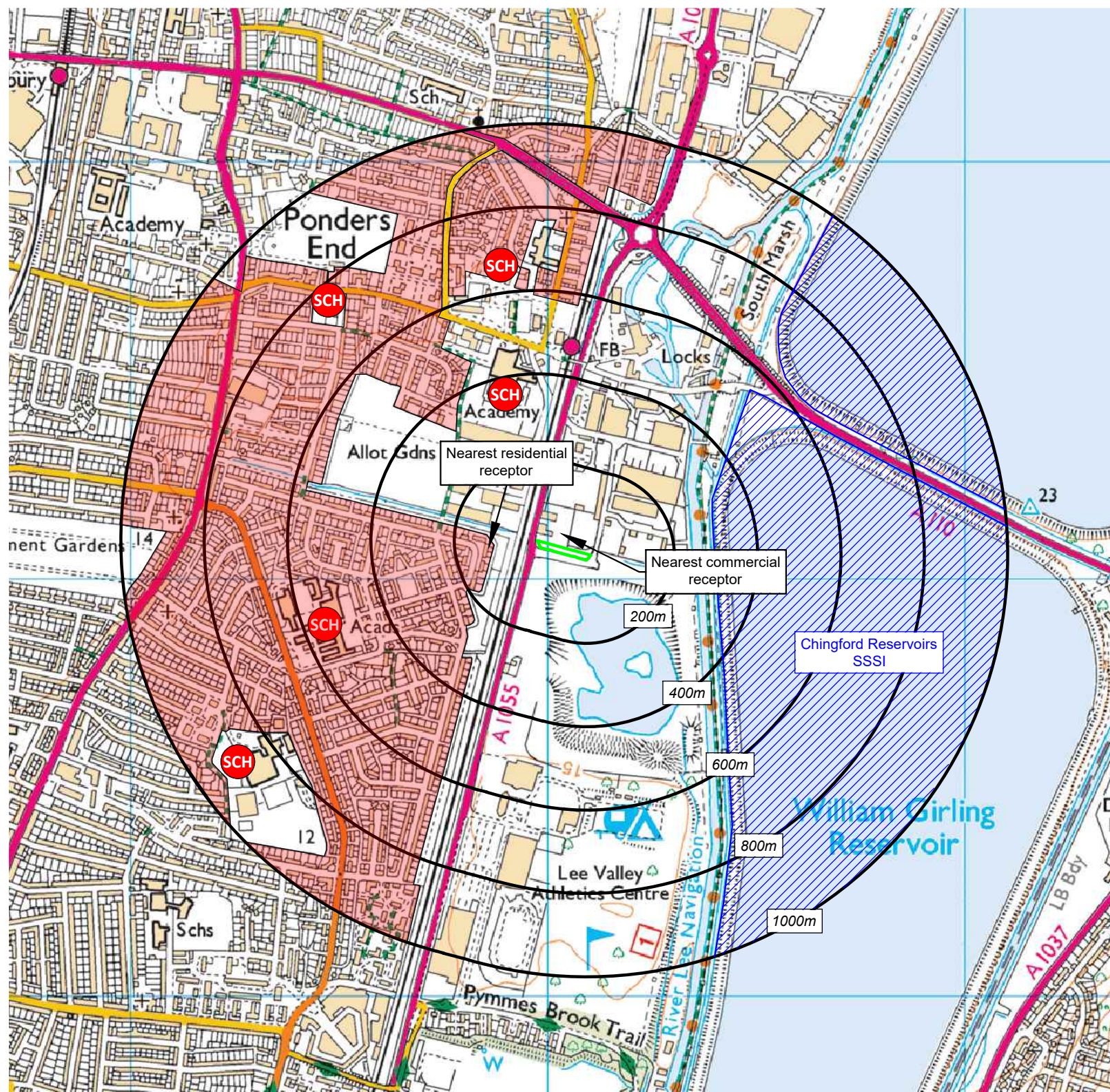
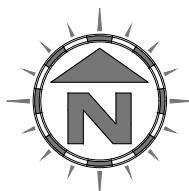
Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
HYDROCARBONS	UNBUNDED FUEL TANKS DRIPS WHEN REFUELLING DURING DELIVERY LEAKAGE FROM STORED DRUMS PLANT FAILURE	GROUND - DIRECT CONTACT, INGESTION INHALATION (OF VOLATILES)	SITE PERSONNEL/ VISITORS SURFACE WATER CHINGFORD RESERVOIRS (SSSI) LEE VALLEY (LOCAL WILDLIFE SITE) DECIDUOUS WOODLAND FLOOD ZONE 2	A, B, D, E, F	MI TO S	3	LOW	ANY FUEL TANKS (AND PIPEWORK) ARE TO BE STORED WITHIN A BUNDED AREA AND LOCKED WHEN NOT IN USE. ENSURE THAT ALL FUEL DRUMS CONTINUE TO BE STORED SECURELY AND BUNDED TO CONTAIN ALL PIPEWORK AND 110% CAPACITY OF THE TANK. SPILL KITS KEPT CLOSE TO SOURCE(S) OF HAZARDS. PREVENTATIVE MAINTENANCE SCHEDULE FOR PLANT/MACHINERY. ANY SPILLAGES IDENTIFIED WILL BE DEALT WITH IN ACCORDANCE WITH THE SPILLAGE PROCEDURES OUTLINED IN THE EMS.
RELEASE OF GASES / FUMES / VAPOURS / VOLATILES	MIXING OF WASTE/ CHEMICALS SPILLAGE OF CHEMICALS OVERTURNED VEHICLE PLANT/PLANT FAILURE REACTION BETWEEN STORED WASTES	AIR GROUND WATER CONFINED SPACES	OCCUPIERS/ SITE WORKERS SURROUNDING SITE USERS/OCCUPIERS CHINGFORD RESERVOIRS (SSSI) LEE VALLEY (LOCAL WILDLIFE SITE) DECIDUOUS WOODLAND FLOOD ZONE 2	A TO F	MI TO S	3	LOW	ENSURE ANY STORAGE OF HAZARDOUS SUBSTANCES IN PROPERLY DESIGNATED AREAS (I.E. WORKSHOP/STORE OR IN THE SITE OFFICE). NO HAZARDOUS WASTE ACCEPTED. PREVENTATIVE MAINTENANCE SCHEDULE FOR PLANT/MACHINERY DETAILED WITHIN THE SITES EMS. QUARANTINE OF REJECTED (I.E. POTENTIALLY HAZARDOUS) WASTES.

Appendix I

Drawings

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 roads
- Class B roads
- Class C roads
- H Nearest fire hydrant
- Railway line
- SCH School
- Woodland areas
- Protected sites (Ramsar, SSSI, SPA, SAC)
- Nature reserves



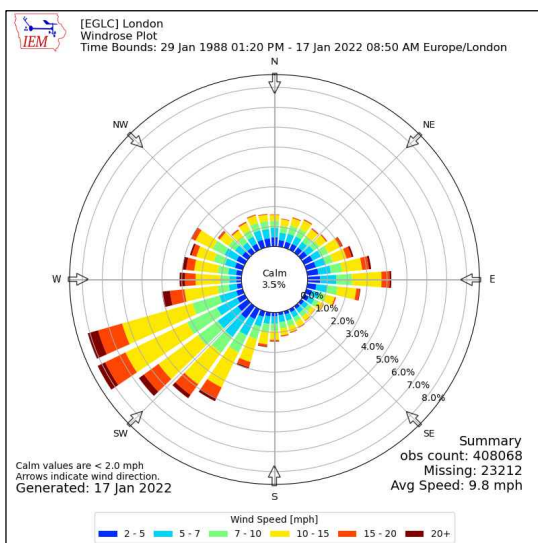
NOTES

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

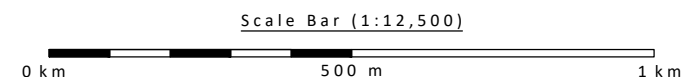
Drawing for indication only. Reproduced with the permission of the controller of H.M.S.O. Crown copyright licence No. 100022432. This drawing is copyright and property of Oaktree Environmental Ltd.

REVISION HISTORY

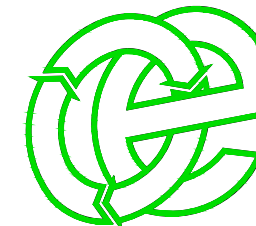
Rev:	Date:	Init:	Description:
-	08.09.22	IA	Initial drawing



Compass Wind Rose for London City Airport (EGLC) Period 1988-2022
- source: Iowa State University



Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants



DRAWING TITLE
RECEPTOR PLAN

CLIENT
Tuglord Enterprises Limited t/a AMI Recycling

PROJECT/SITE
Morson Road, Enfield, EN3 4NQ

SCALE @ A3 1:12,500	CLIENT NO 3101	JOB NO 003
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DRAWING NUMBER 3101-003-04	REV -	STATUS Issued
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DRAWN BY IA	CHECKED IA	DATE 08.09.22
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