ENVIRONMENTAL ACCIDENT MANAGEMENT PLAN

Moss Lane, Worsley, Manchester, M28 3LY

UBU Environmental Ltd

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Drawing No. MOSS/3448/03 – Site Layout Plan

Drawing No. MOSS/3448/04 – Sensitive Receptors Plan

1 Introduction

1.1 This Environmental Accident Management Plan (EAMP) has been prepared by Oaktree Environmental Ltd on behalf of UBU Environmental Ltd (the Operator). This EAMP provides guidance to prevent or reduce the impacts of accidents occurring at Moss Lane, Worsley, Manchester, M28 3LY.

1.2 This EAMP forms part of the Environmental Management System (EMS) for the site.

1.3 This EAMP has identified risks from the activities carried out that could cause environmental harm, assessed how likely they are to happen, outlined the actions needed to minimise the potential causes and identified how to minimise the consequences if they do happen.

1.4 This EAMP will be reviewed:

- Every 4 years.
- If an accident occurs.
- If requested by Natural Resources Wales.

2 Staff Responsibilities

2.1 All staff will be trained in the requirements of this EAMP and the EMS. All staff are responsible for:

- Identifying and reporting accidents and incidents.
- Identifying and reporting near misses.
- Reporting all accidents to the site manager.
- Completing pre-use checks on plant and equipment being used and reporting any issues as soon as practicable.

2.2 A copy of this EAMP and EMS will be kept on site and be available at all times.

3 Identification and likelihood of potential accidents

3.1 Accidents are not always preventable, but identification of potential accidents will enable preventative measures to be implemented on site to reduce the likelihood of accidents happening.

3.2 Potential accidents identified as part of this report are as follows:

- Leaks or spillages
- Failure of plant or equipment
- Fire
- Cross contamination
- Flooding
- Failure of utilities
- Failure of containment
- Unauthorised entry

3.3 The likelihood of each of these potential accidents occurring is dependent on different scenarios, for example, under normal and abnormal working conditions, activities being undertaken and in worst-case scenarios in regard to weather, temperature, or breakdowns.

3.4 Each identified accident will be reviewed to determine the likelihood of occurrence and the preventative measures in place.

3.5 Where applicable response actions will be outlined for accidents following occurrence.

3.6 A Sensitive Receptor Plan has been prepared identifying receptors within 1km of the site boundary.

4 Substances Stored on Site

4.1 There is a small quantity of fuel and oil stored on site for the refuelling of plant and equipment. Fuel and oil are stored in bunded double skinned containers that are locked when not in use.

4.2 Chemicals and substances such as flocculant will be stored on site which is added to the water used in the wash plant to remove suspended particles. These are stored in suitable storage cages and are clearly labelled with the substance.

5 Likelihood of accidents, preventative measures, and responses

5.1 Table 5.1 identifies all the potential accidents / incidents that could take place on site, the consequences of these, what preventative measures are in place to minimise the risk of accidents /incidents and the response to if any of the accidents / incidents listed took place.

Table 5.1 Accidents, Preventative Measures and Responses

Possible Accident / Incident	Likelihood	Consequence	Preventative measures	Response to accident / incident
Leaks or Spillages				
Spillage during refuelling / transfer	Low	The environmental impact of leaks or spillages is the contamination / pollution of land, drains, ground and water courses.	Fuel and oil are stored in bunded double skinned containers that are locked when not in use. Staff undergoing refuelling of plant and equipment will be trained. Refuelling is to be completed on level ground with a drip tray. Regular maintenance checks will be completed on fuel storage to ensure there is no damage / corrosion that would cause leakage.	Spill kits are stored on site.
Leakage of fuel / oil from damaged containers				
Failure of Plant or Equipment				
Leakages; due to faulty pipe work, valves, over-pressure, blockages, corrosion, severe weather, ground	Low	The potential environmental impact of plant or equipment failure is the contamination / pollution of land, drains, groundwater, and watercourses from	Pre-use checks completed by staff prior to use to check for any faults (e.g., leaks, electrical failure, increased noise, and vibration).	If the failure has resulted in a spill or leak, spill kits will be used to absorb the fuel / oil.

Possible Accident / Incident	Likelihood	Consequence	Preventative measures	Response to accident / incident
movement etc.		the release of fuel, oil, hydraulic oil etc.	Planned preventive maintenance and servicing of all plant and equipment is undertaken as per manufacturer guidelines. Only trained operatives use plant and equipment.	
Puncture; of vessels and tanks etc due to impact from vehicles.				
Fire				
Fire (combustible waste / Arson)	Low	The environment impact of fire is air pollution (from the emissions of smoke and particulates) and generation of firewater which can contaminate/pollute drains, groundwater, and water courses.	Separation of incompatible materials and of combustible materials and ignition sources. Incorporation of fire walls and containment of fire water. A no smoking policy is implemented on site. Maintain tidy site and minimise stockpiles of combustible materials. Fire training and emergency drills. Implementation and maintenance of site security measures reduces the risk of unauthorised access and arson. Requirements of a Fire Prevention and Mitigation Plan are implemented on site.	Fire procedure describing what to do in the event of a fire, including details about fire alarms, exit routes and muster points, responsible personnel such as a fire warden and the location and use of emergency fire equipment such as extinguishers, hoses, sandbags and drain covers.

Cross contamination				
Due to transfer and mixing of incompatible materials, drainage cross connections etc.	Low	Explosion, smoke, and pollution of air, Contamination of land, drains, groundwater and watercourses.	Any potentially reactive waste types identified will be separated and stored appropriately. Implementation of strict waste acceptance procedures to reduce the likelihood of accepting incompatible waste.	Fire / spill procedure as described above.
Flooding				
Due to ingress of watercourse floodwater, blocked drains, burst water main, use of fire water.	Low – the site is not within a flood zone from rivers or seas.	Contamination of raw materials, buildings, land, drainage system, groundwater and watercourses with fire and flood water.	Maintenance of site infrastructure and sealed drainage system. Recording daily weather conditions so flooding due to heavy rainfall is unlikely to be unexpected so mitigation measures can be implemented to minimise the impact.	Flood procedure describing what to do in the event of a flood warning. If the flooding is due to a burst water main this will be isolated quickly to prevent onsite flooding.
Failure of Utilities				
Due to failure of supply; water, electricity, gas supply and of sewerage system. Due to utility supply being struck and broken / cut.	Negligible	No potential accidents/incidents identified that may result from failure of services	There are no preventative measures applicable for the failure of utilities.	In the event of plant or equipment failure, actions outlined in the EMS should be followed.
Failure of Containment				
Failure of containment facilities due to land movement, impact, corrosion etc.	Low	Contamination of land, drains, groundwater and watercourses.	Provision of secondary containment for hazardous liquids. Inspection of primary and secondary	Spill response procedure as described above.

			containment facilities. Integrity checks of tanks and bunds.	
Unauthorised entry				
Unauthorised entry and tampering or malicious damage to property, plant, and equipment.	Low	The environmental impact of unauthorised entry is dependent on the activities of the trespasser – this could include arson and malicious damage to plant and equipment. Environmental impacts can include air pollution and firewater generation from fighting fires and the contamination / pollution of land, drains, groundwater, and water courses.	Security infrastructure is maintained and checked on a regular basis for any damage. The site remains locked out of operational hours. The site has security cameras that can be accessed 24 hours a day..	Spill response procedure as described above.

6 Reporting

6.1 All accidents / incidents will be reported to the site manager and emergency services.

6.2 In addition to obligations imposed by RIDDOR '13 (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013) the permit holder will notify the EA of any serious injuries to employees of UBU Environmental Ltd, other site users or members of the public arising as a result of operations on site. Minor injuries such as cuts and grazes etc. will be recorded in the accident book on site. Separate procedures will be used for different types of emergencies. An emergency at the site is defined by the site management as follows:

"Any incident which is likely to result in harm to human health or pollution of the environment or serious breach of permit conditions and serious detriment to the amenities of the locality."

6.2.1 For all emergency situations, the deposit of any further waste will be suspended where necessary to allow action to be taken safely. If necessary, staff and other users of the site will be evacuated to an area which is a safe distance away from the hazards. Staff handling the emergency will be provided with and trained to use the necessary PPE (personal protective equipment) unless the manager instructs them that the hazard is too severe and outside help is needed from the emergency services or specialist waste contractors. A visitor's book will be kept to check who is on site at all times.

Appendix I

Drawings

Scale Bar (1:250)
0 2 4 6 8 10m

N

Boundary comprising 2m high concrete panel fence
Reception storage and treatment area for soils, stones and other wastes
Boundary comprising 2m high concrete panel fence
Storage areas for recycled aggregate (non-waste)
Mobile crushing area (indicative only)
Reception storage and treatment area for concrete, stone, brick
Reception storage and treatment area for soils, stones and other wastes
General store
Mobile screening/blending area (indicative only)
Boundary comprising 5m high concrete panel wall for acoustic attenuation
Storage area road sweepers (indicative)
Boundary comprising 2m high concrete panel fence
Boundary comprising 2.4m high palisade fencing
Wash plant shed
Wet waste reception bay
Roller shutter access
Garage
Trommel shed
Open fronted
Boundary comprising 2.4m high palisade fencing
Sweeper waste (Solid) storage area
Sweeper waste (Solid) storage area
General store
Hire desk
Staff/visitor parking
Boundary comprising 2.4m high palisade fencing
Shed
Mixed waste skips
Sand & stone storage areas
Weighbridge
ESS
Office
Fuelling area
Sweeper parking
Boundary comprising 2.5m close board wooden fencing
Sweeper parking
Boundary comprising 2.4m high palisade fencing
Entrance/exit
Boundary comprising 2.5m close board wooden fencing
Sweeper parking
Entrance/exit
Boundary comprising 2.4m high palisade fencing
Drain
MOSS LANE
MEADOWSIDE AVENUE
STONEYSIDE
96.0m
30
1
11
21
29

NOTES

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REVISION HISTORY

Rev:	Date:	Init:	Description:
-	05.09.24	JH/CP	Initial drawing

KEY:

- Permit boundary
- Impermeable concrete surfaces
- Freely draining hardstanding surfaces
- Waste storage area
- Non-waste storage area
- Gully
- Manhole
- Inspection cover
- Drainage flow direction
- Silt trap
- Pit
- Interceptor
- Surface water fall direction
- Surface drainage
- Foul drainage
- ACO drain
- Storage bays (height/size vary)
- Buildings

Washplant

Number	Description
1	Oversize Aggregate
2	Trommel
3	Conveyor
4	Recovered metals
5	Logwash
6	Aggregates
7	Pipe bedding
8	Sand
9	Sand
10	Flocculant added
11	Centrifuge
12	Filter cake
13	Effluent tank

TITLE: SITE LAYOUT PLAN
CLIENT: UBU Environmental Ltd
PROJECT/SITE: Moss Lane, Worsley, Manchester M28 3LY
SCALE @ A4: 1:250
CLIENT NO: 3448
JOB NO: 001
DRAWING NO: MOSS-3448-03
REV: -
STATUS: Issued
DATE: 05.09.24
DRAWN: JH/CP
CHECKED: --

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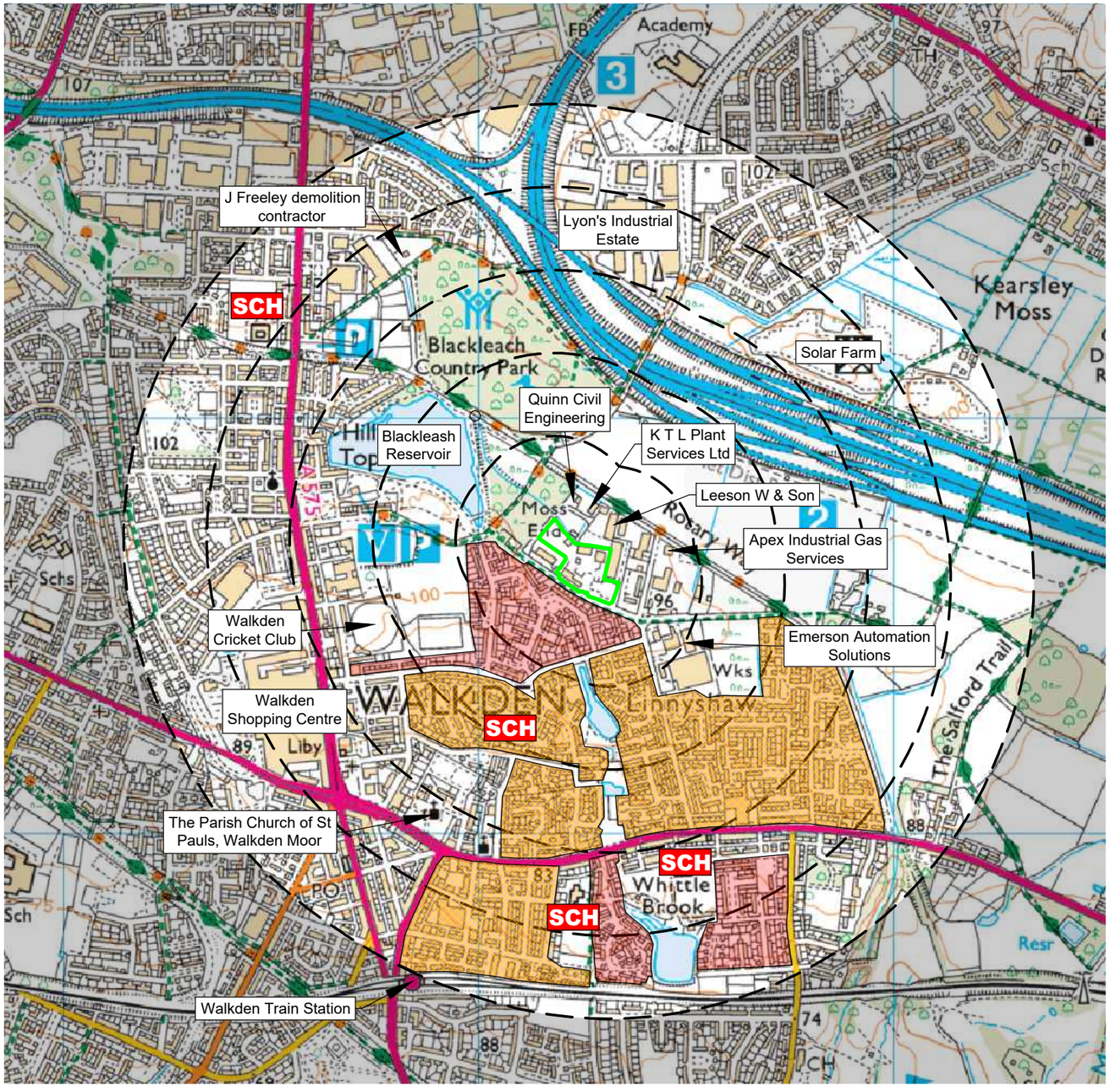
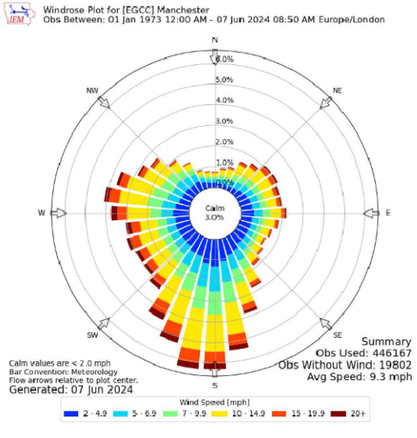
KEY:

- 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
- Nearest fire hydrant
- Railway line
- School
- Woodland areas
- Protected sites (Ramsar, SSSI, SPA, SAC)
- Nature reserves





Compass Wind Rose for Manchester International Airport (EGCC) Period 1972-2018
- source: Iowa State University

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NOTES

REVISION HISTORY

Rev:	Date:	Init:	Description:
-	05.09.24	EG	Initial drawing

TITLE: RECEPTOR PLAN

CLIENT: UBU Environmental Ltd

PROJECT/SITE: Moss Lane, Worsley, Manchester, M28 3LY

SCALE @ A4:	CLIENT NO:	JOB NO:
1:12,500	3448	001

DRAWING NO:	REV:	STATUS:
MOSS-3448-04	-	Issued

DATE:	DRAWN:	CHECKED:
05.09.24	EG	CP

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