ENVIRONMENTAL RISK ASSESSMENT

High Road, Marlow, Thornwood, Epping CM16 6LU

D Evans & Sons

Version:	1.1	**Date:**	27 September 2024		
Doc. Ref:	2616-005-D	**Author(s):**	IA	**Checked:**	DES
Client No:	2616	**Job No:**	005		

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Document History:

Version	Issue date	Author	Checked	Description
1.0	27/03/2023	IA	--	Application submission
1.1	04/09/2024	IA	--	EA comments

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1 Introduction

1.1 This Environmental Risk Assessment considers the potential and actual risks associated with the use of the site at High Road, Marlow, Thornwood, Epping CM16 6LU as a waste facility.

1.2 The site will be operated by D Evans & Sons 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.

1.7 The EP is required for the storage prior to removal and treatment of waste. Waste treatment processes on site will typically include the following:

- Sorting (with loading shovel/360° excavator or by hand)
- Screening (by using appropriate mechanical screening plant and equipment)
- Separation (by using appropriate mechanical screening plant and equipment)
- Crushing (by using appropriate mechanical plant and equipment)
- Blending (by loading shovel / 360° tracked excavator)

1.8 Housekeeping

1.8.1 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 dust generation from onsite materials. The materials will then be placed in a sealed rejected waste skip for removal.

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

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

1. Maintain a clean, well-organised site **(Continuous)**
2. Use suppression methods to dampen down potentially dusty wastes **(Continuous)**
3. Clean equipment that has been in contact with dusty materials **(Weekly)**
4. Carry out a deep clean of the reception and external areas once a quarter and record this in the site diary **(Quarterly)**
5. Concrete floors (if applicable) designed with a slope towards drainage system and designed in a way that allows easy cleaning. **(Inspected monthly)**
6. Floors sealed (if applicable) to prevent absorption and adsorption of dust producing residues. **(Inspected monthly)**

2 Site Receptors

2.1 A Sensitive Receptors Plan is shown on Drawing No. 2616-005-04 which details all potentially sensitive receptors within 1 kilometre of the regulated facility. Receptors listed below and detailed on the receptor plan have been taken from google satellite imagery, MAGIC and a Habitats and Nature Conservation Screening request from the EA. A list of sensitive receptors within 1km has also been detailed in the table below:

Boundary (direction from)	Receptor	Receptor type	Approximate distance from centre of site (m)
South	Thornwood Common Flood Meadow (LNR)	Ecological	>350
South	Epping Forest (SSSI)	Ecological	>650
Southeast	Protected Species (Great crested newt)	Ecological	800
North	Deciduous Woodland	Ecological	Adjacent
South	Thornwood Springs Trout Fishery	Ecological/ Recreational	>250
East	Residential properties on High Road and beyond	Residential	>180
North	Residential properties on Upland Road and beyond	Residential	>180
South	Nearest commercial land use (i.e. Camfaud)	Industrial/ Commercial	>70
Northeast	Texaco	Commercial	>140
Northeast	Elmcroft Guest House	Recreational/ Commercial	>220
West	Upper Clapton Football Club and Rugby Ground	Recreational/ Commercial	Adjacent

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

2.3 Complaints Procedure

2.3.1 The site has a complaints procedure in place. If any complaints (dust/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.

2.3.2 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.

2.4 Spillages

2.4.1 If the operator stores fuel at the site, it will be contained within a bunded receptacle/container to contain any primary leaks. If any oil and vehicle maintenance chemicals are kept on site, they will be stored securely. 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.

2.4.2 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.

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 (if applicable).

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

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) Treatment of waste by mechanical plant Loading of waste using mobile plant Storage of 'dusty' waste including pre and post treated material Tracking of dust from mobile plant Poor housekeeping Dry/warm weather conditions	Air	Site personnel/ visitors Surrounding site users/occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	A, B, D, E	Mi to Mo	3	Low to near zero	The site has a Dust Management Plan (DMP) in place which covers all potential dust sources and mitigation measures to ensure potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 are mitigated (Doc Ref: 2616-005-H). Potentially dusty loads sheeted on arrival and Egress from the site. The northern boundary comprises a 4m high concrete block wall to act as a wind barrier and provide screening to reduce potential dust generation and wind-whipping. Wastes are pre-sprayed before being loaded into processing plant and equipment to reduce the risk of dust generation during processing operations. Drop heights will be kept to a minimum i.e. 1-2m. Continuous monitoring regime in place to identify any potential for dust leaving site boundary. Complaints procedure detailed in section 2 and also in EMS. Cleaning of any spillages using wet cleaning methods. During times of extreme wind, the plant will cease to operate. Site haul routes will be swept clean regularly using a wheeled loading shovel/mechanical road sweeper. Haul routes will be dampened down using a bowser. The waste stockpiles and recovered processed products are relatively coarse and are generally recovered and processed in a damp condition which reduces potential for erosion by wind whip and the creation of nuisance dust. The site comprises several existing stockpiles, these stockpiles already exist at the site and have been subject to many periods of rainfall; the rain will have ensured that all finer particles have migrated vertically and become entrained within the stockpile leaving coarser material on the surface which would be significantly less susceptible to wind-whipping. When any material is excavated from the stockpile face and transferred to the treatment plant, the face of the stockpile will be managed by dampening it down using the onsite suppression to ensure that dust does not become airborne. In addition to specifically dampening down areas that have been excavated the site will also use a bowser as part of general dust management. 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.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									- Onsite hosepipes/bowser available which can be utilised on site for suppression - Sheeting of loads arriving/leaving the site The above measures will ensure that potential dust particles are controlled and contained within the facility. Further details are provided in section 4 of the DMP. All onsite monitoring is continuous throughout the operational day by site operatives. In addition to this, the site also undertakes daily inspections, these will be reviewed by site management or the TCM. 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. 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: - Utilising the road sweeper immediately, - Reducing stockpiles heights, - Increased suppression measures and further dampening down of stockpiles. The above measures along with the sites DMP which covers all potential dust sources and mitigation measures in further detail will minimise potential impacts on the sensitive receptors detailed in Section 2.1, on the receptor plan and in the DMP (doc ref: 2616-005-H).
B	Odour	Stored wastes Poor housekeeping Rejected waste	Air	Site personnel/ visitors Surrounding site users/occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	A, D	Mi to Mo	3	Low to near zero	Potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 have been identified and are detailed below. Authorised wastes handled at the site as part of the proposed variation application will comprise inert materials which are not considered odorous. Strict waste acceptance procedures to identify potentially odorous wastes and initiate containment. Rejected wastes to be quarantined prior to removal off site. Daily olfactory monitoring and complaints procedure in place. Any odorous waste found on site will be removed within 48 hours.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
C	Litter	Pre-processing stockpile Un-sheeted / poorly sheeted skips on delivery vehicles Loose/material Poor housekeeping	Air	Site personnel/ visitors Surrounding site users/occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	A TO C E,F	Mi to Mo	3	Low to near zero	Potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 have been identified and are discussed below. Authorised wastes handled at the site as part of the proposed variation application will comprise inert materials which are not considered to generate litter. 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. All light waste / litter will be placed inside a sealed skip. The physical properties of the waste types handled at the site as part of the proposals will not typically result in litter – can only be a result of non-conforming waste(s) – waste acceptance and handling procedures in place to prevent occurrences. Quarantine area/container available for non-conforming wastes outside of the EP.
D	Noise/vibration	Plant and machinery Operating treatment plant Tipping / loading waste into vehicles	Air	Site personnel/ visitors Surrounding site users/occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	A, D	Mi to Mo	3	Low	The site has a Noise & Vibration Management Plan (NVMP) in place which covers all potential dust sources and mitigation measures to ensure potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all sites listed in Section 2.1 are mitigated (Doc Ref: 2616-006_NVMP). Please also refer to NIA. The site is located within a mixed residential/commercial & rural area and currently operates a screener, as part of the proposals the site will be seeking add a crushing activity. Noise is therefore likely to be of a similar character and level of existing operations. The site proposes to install a 4m high concrete block wall along the northern perimeter which will provide screening. Noisy activities controlled by reasonable hours of operation. Drop heights will be kept to a minimise noise / vibration i.e. 1-2m. 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.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									Any malfunctions in plant i.e. missing screws/bolts which result in excessive noise will be decommissioned until an alternative loading plant sourced. A trained and responsible manager will be on site during working periods to maintain a logbook and carry out site inspections. Complaints procedure in place. 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 will be notified in advance.
E	Vermin (leptospirosis etc.)	Stored putrescible/ biodegradable wastes	Water, direct contact with waste	Site personnel/ visitors Surrounding site users/occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	A TO C	Mi to Mo	3	Low to near zero	Potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 have been identified and are detailed below. Authorised wastes handled at the site as part of the proposed variation application will comprise inert materials which are not considered to result in the generation of pests. Wear PPE - gloves and masks as appropriate. Site inspections daily. Any wastes considered unsuitable after deposit will be assigned to the quarantine/rejected skip. The site does not receive any waste types which would be regarded as putrescible/ biodegradable.
F	Fire - smoke / particulates	Plant exhausts Storage of wastes	Air, direct contact	Site personnel/ visitors Surrounding site users/occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) Receptors detailed in Section 2.1	A TO F	Mi to Mo	3	Low to near zero	No smoking or fires on permitted site. Combustible wastes are not proposed as part of this application. Good site security. Preventative maintenance procedures for on-site plant and vehicle fleet.

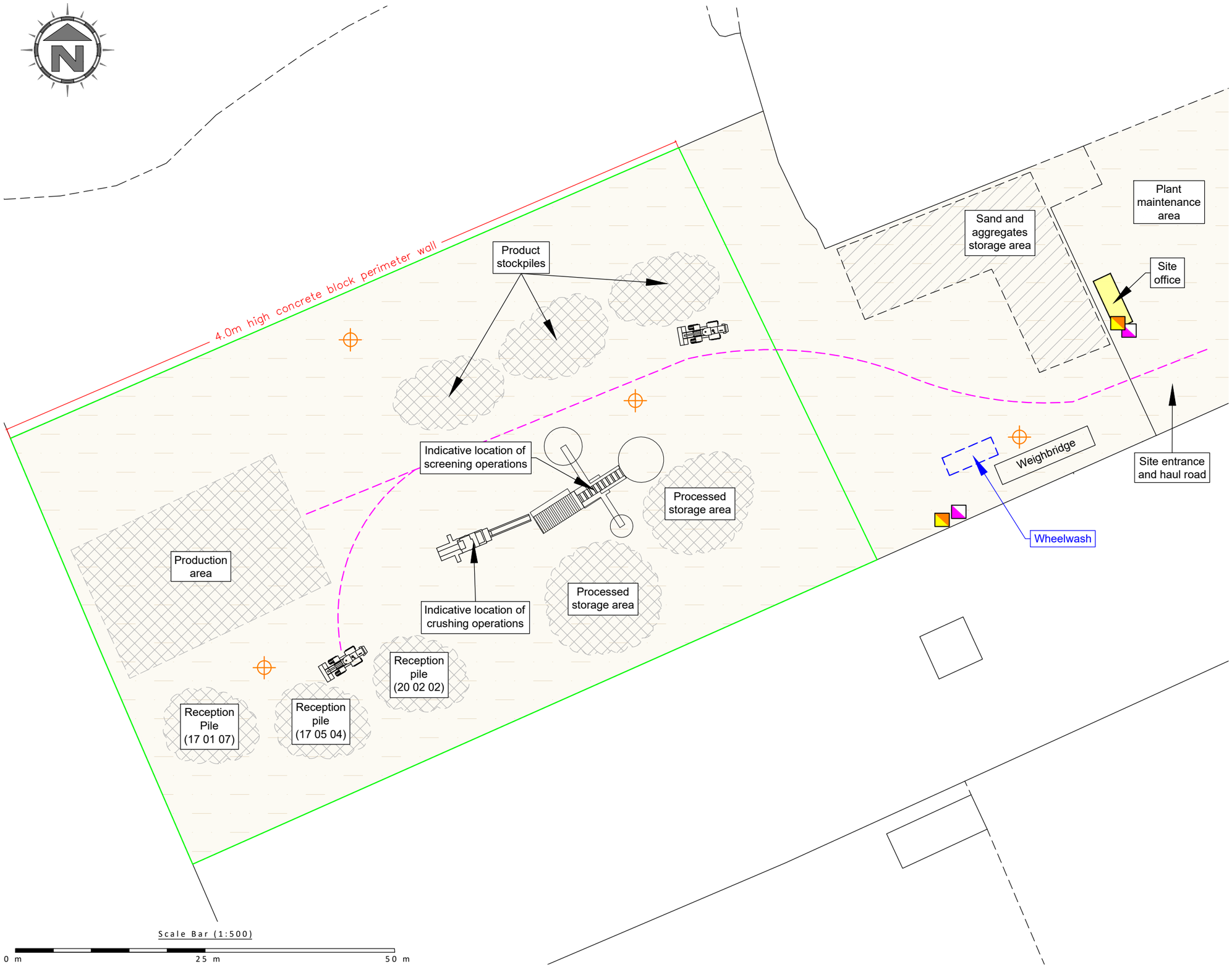
Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
G	Vehicle collision/ accident	Mud on roads from waste storage & vehicle bodies Poor visibility	Direct contact	Vehicle users Pedestrians Animals	A TO F	Mi to Mo	3	Low to near zero	Good housekeeping/ vehicle management. Stockpile management. 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).
H	Leachate	Stored wastes	Ground	Surface water / groundwater Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	E, F	Mi to Mo	3	Low to near zero	Potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 have been identified and are detailed below Waste types stored externally at the site are strictly non-leachate forming wastes. The existing activities outside of the proposals will remain unchanged with all of these activities continuing to be as already permitted. 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. Any spillages identified will be dealt with in accordance with the spillage procedures outlined in Section 2.4.
I	Impact / injury	Collapse of stored materials/ falling materials	Direct contact	Site personnel/ visitors	A TO C	Mi to Mo	3	Low to near zero	Storage heights will be kept to a minimum. 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.
J	Hydrocarbons	Un-bunded 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 Flora & fauna Designated sites Protected habitats	A, B, D, E, F	Mi to Mo	3	Low to near zero	Potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 have been identified and are detailed below. Any fuel tanks and pipework (if applicable) to be stored within a bunded area and locked when not in use. Vehicle maintenance and repairs will be carried out on an impermeable surface.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
				Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1					Ensure that all fuel storage continue to be stored securely. 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 Section 2.4.
K	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	Site personnel/visitors and Surrounding site users/ occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	A TO F	Mi to Mo	3	Low to near zero	Potential impacts on protected species, habitats, wildlife sites, designated sites (if applicable) and all those sites listed in Section 2.1 have been identified and are detailed below. 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. Quarantine of rejected (i.e. potentially hazardous) wastes.
L	Addition of proposed EWC Codes	Accepted and stored wastes	Air Ground	Site personnel/visitors and Surrounding site users/ occupiers Surface water Flora & fauna Designated sites Protected habitats Protected species Wildlife sites (if applicable) All receptors detailed in Section 2.1	D, F	Mi to Mo	3	Low to near zero	The proposed additional EWC codes have the potential to generate dust. However, it is considered that the proposed codes will pose no further risk to air/water or land compared to the waste types already permitted as the waste types are of a similar nature and handled in a similar manner. Please refer to row A of this risk assessment table and the site-specific Dust Management Plan (Doc Ref: 2616-005-H) for details of the control measures implemented at the site to control and reduce potential dust. The processing of the proposed additional codes may potentially result in increased noise at the site as some will be subject to the proposed crushing activity. Please refer to row D of this risk assessment table and the site-specific NIA and Noise Management Plan for details of the control measures implemented at the site to control and reduce potential noise from onsite operations. The site is not looking to accept/receive any hazardous/ potentially contaminative waste as part of this application. The proposed waste types stored externally at the site are strictly non-leachate forming wastes. The material will comprise predominantly inert materials and will be uncontaminated.

Ref	Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
									Given the nature of wastes accepted at the site it is highly unlikely that any of the stored wastes could lead to contamination that could potentially contaminate surface water, groundwater or any sites detailed in the receptor column. Any potentially contaminating waste will either be quarantined and removed from site (within <48 hours or when the container is full). As part of the proposals in this variation application, the site will store inert and uncontaminated materials at the site that will have already undergone pre-acceptance/ waste acceptance checks and can be stored in accordance with section 4 of the *'non-hazardous and inert waste: appropriate measures for permitted facilities'* which is consistent with the existing situation and EP. Staff training and handling procedures are in place. The waste stockpiles and recovered processed products are relatively coarse and are generally recovered and processed in a damp condition which reduces potential for erosion by wind whip and the creation of nuisance dust and impact to air. Dusty loads (including new waste types with dust potential) sheeted on arrival and egress from the site. Visual assessment / monitoring will be undertaken onsite and at the site entrance in order to ensure dust is not escaping beyond the site (refer to receptor plan for indicative dust monitoring locations).

Appendix I

Drawings



NOTES

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REVISION HISTORY

Rev:	Date:	Init:	Description:
-	11.05.22	IA	Initial drawing
A	27.07.22	IA	Client comments
B	08.09.22	IA	EA comments
C	26.09.24	IA	Layout amendments

KEY:

- Permit boundary
- Hardstanding surfaces (free-draining)
- Storage areas
- Spill kit, absorbent pads, booms, granules etc..
- Firefighting equipment
- Indicative dust monitoring locations
- Site access and haul routes

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants

DRAWING TITLE
SITE LAYOUT PLAN

CLIENT
D Evans & Sons

PROJECT/SITE
Land at Marlow, High Road, Thornwood, Epping, CM16 6LU

SCALE @ A3	CLIENT NO	JOB NO
1:500	2616	005

DRAWING NUMBER	REV	STATUS
2616-005-03	C	Issued

DRAWN BY	CHECKED	DATE
IA	KLX	26.09.24

Lime House, Road Two, Winsford, Cheshire, CW7 3QZ
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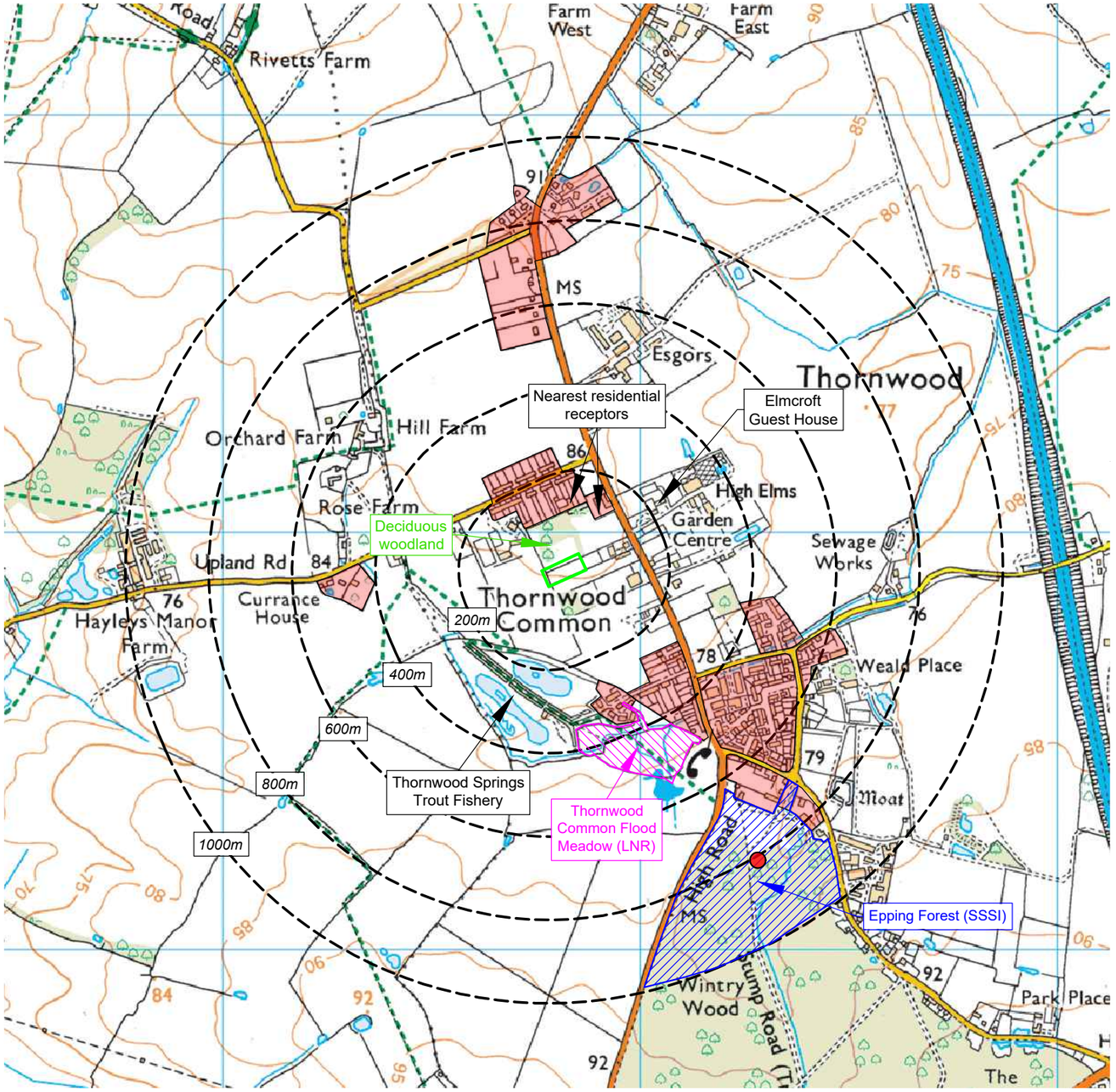
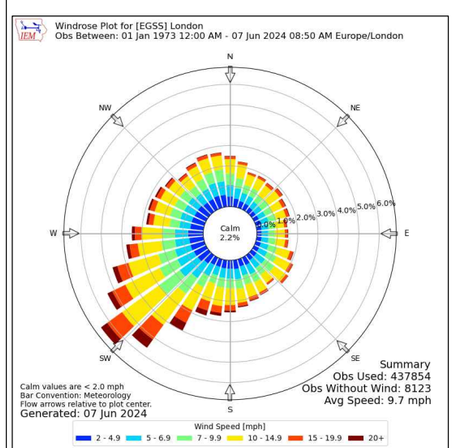
KEY:

- 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 including Deciduous woodland
- Protected sites (Ramsar, SSSI, SPA, SAC)
- Nature reserves
- Indicative location of Protected Species (Great Crested Newt)





Compass Wind Rose for London Stansted Airport (EGSS) Period 1973-2024
- source: Iowa State University

Scale Bar (1:12,500)

0 km 500 m 1 km

NOTES

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

REVISION HISTORY

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

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants

DRAWING TITLE
RECEPTOR PLAN

CLIENT
D Evans & Sons

PROJECT/SITE
Land at Marlow, High Road, Thornwood, Epping, CM16 6LU

SCALE @ A3	CLIENT NO	JOB NO
1:12,500	2616	005

DRAWING NUMBER	REV	STATUS
2616-005-04	-	Issued

DRAWN BY	CHECKED	DATE
IA	KLX	03.09.24

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