

ENVIRONMENTAL RISK ASSESSMENT

1 Coronel Avenue, Off Rowleys Green Lane, Coventry, CV6 6AP

Tom White Waste Ltd

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1 Introduction

1.1 Note

1.1.1 This Environmental Risk Assessment (ERA) considers the potential and actual risks associated with the use of the site at 1 Coronel Avenue, Off Rowleys Green Lane, Coventry, CV6 6AP as a household, commercial and industrial waste transfer station.

1.1.2 The site will be operated by Tom White Waste Ltd in accordance with an Environmental Management System (EMS) and other associated management plans which will form part of the Environmental Permit (EP) regulated by the Environment Agency (EA).

1.1.3 All site staff should be provided with a copy of this ERA and be aware of where it is located on site.

1.1.4 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.

1.1.5 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.

1.1.6 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 of waste pending disposal.
- R3: Recycling or reclamation of organic substances.
- R4: Recycling or reclamation of metals.
- R5: Recycling or reclamation of other inorganic materials.
- R13: Storage of waste pending recovery.

- R12: Exchange of waste for submission to any of the operations numbered R 1 to R 11

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

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

1.1.8 Tom White Waste Ltd are not proposing to mechanically treat or sort the waste accepted at the site.

2 Site Receptors

2.1 Receptor plan

2.1.1 Two receptor plans are shown in Appendix I which are as follows:

- Drawing No. COR/3206/04, with a 1,000m radius detailing schools, hospitals, nursing and care homes, residential areas, workplaces, protected habitats, watercourses, groundwater, boreholes, wells and springs supplying water for human consumption
- Drawing No. COR/3206/05, this plan clearly details receptors within a 500m radius detailing road names, railways, bus stations, on or immediately adjacent to the site and within the radius of 500m

2.1.2 It is not considered necessary to tabulate these receptors separately as they are clearly illustrated on the above two plans.

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 Table

4.1.1 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. The table also contains references to the appropriate section(s) of the site's EMS for additional management procedures. 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.

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
Dust / particulates	<p>Formation of dust on site surfaces during dry and windy weather on both areas of the site.</p> <p>Waste delivery vehicles depositing and collecting dusty waste during dry and windy weather conditions</p> <p>Settlement of dust in various areas of the site.</p> <p>Manual suppression systems i.e. jet washes, hose pipes not working</p> <p>Droughts or water bans leading to a water shortage</p> <p>Particulates arising from the use excavators/loading shovels</p>	Air	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Flora & fauna</p> <p>Residential receptors</p> <p>Highways/road networks and railway lines</p> <p>Public transport users</p> <p>Schools</p> <p>Priority habitats deciduous woodlands</p> <p>All other receptors not shown are clearly marked on the drawings shown in Appendix I.</p>	A, B, D, E	Mo	3	Low	<p>The site will not be accepting any dusty wastes at the site.</p> <p>The site will not be mechanically treating any waste at the site.</p> <p>The site comprises an impermeable concrete surface which will not lead to dust formation given the waste types being accepted.</p> <p>Wastes will be unloaded either by a HGV tipper which will reverse and deposit waste into the bay or waste will be unloaded and loaded from/to a container using a 360° grab, this will ensure waste is not dropped from height.</p> <p>The site has a continuous monitoring regime during operational hours to identify any potential dust leaving the site boundary.</p> <p>Cleaning of any spillages using wet cleaning i.e. hoses, jet washes.</p> <p>All waste will be stored at least 1m below the height of storage bay.</p> <p>All mobile plant is subject to daily preventative maintenance checks (before and at the end of each day) to ensure their safe operation and to prevent any potential situations which may give rise to faults or malfunction causing excessive fumes/particulates.</p> <p>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.</p> <p>Within the 30 minutes of the site closing, the site will inspect the equipment for any dust/fluff which will be removed using hoses or brushes and deposited into a mobile refuse/trade waste bin (emptied weekly).</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
Odour	<p>Storage of potentially odorous waste material externally</p> <p>Cracks in concrete leading to trapped waste in unsealed joints.</p> <p>Poor housekeeping leading to waste becoming trapped in site surfaces, storage bays or buildings</p> <p>Dry/hot weather conditions exceeding three dry days</p> <p>Prevailing wind to towards residential receptor locations</p> <p>Staff negligence leading to odour releases from unauthorised waste acceptance and treatment</p>	Air	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Residential receptors</p> <p>Highways/road networks and railway lines</p> <p>Schools</p> <p>All other receptors not shown are clearly marked on the drawings shown in Appendix I.</p>	A, D	Mi to Mo	3	Low	The site will operate in accordance with an approved Odour Management Plan which accompanies this permit variation.
Litter	<p>Litter escaping from storage from external storage bays</p> <p>Vehicles delivering / removing and waste during dry and windy weather conditions including unsheeted / poorly sheeted skips on delivery / removal vehicles</p> <p>Poor or faulty storage containment i.e. bays</p> <p>Poor housekeeping</p> <p>Staff negligence leading to litter escaping off site</p> <p>Winds exceeding 4 or above on the Beaufort Scale meaning litter could be blown around on site or exceed fences.</p>	AIR	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Flora & fauna</p> <p>Residential receptors</p> <p>Highways/road networks and railway lines</p> <p>Public transport users</p> <p>Schools</p> <p>Priority habitats deciduous woodlands</p>	A to C E,F	Mi to Mo	4	Low	<p>The has the following to prevent litter escaping:</p> <ul style="list-style-type: none"> - All waste storage areas on site are within dedicated bays with at least a 0.5m high freeboard. - Boundary treatments comprise steel sheeted fence and litter netting above the waste storage to the east of the site, 2.5m brick wall to the south-east, 2.5m high close board wooden fencing outside of 3m high steel sheet fence to the west of the site and an existing off-site building is positioned adjacent to the northern boundary. - Three no. litter picks throughout each working day including full inspections on and off site - Use of a Bobcat Skidstear with sweep attachment use twice a day to collect any small debris - Use the complaint's procedure from the EMS (Section 4.10) to ensure any litter complaints are addressed and substantiated. <p>In addition to the above, the site does not mechanically process any waste on site so no waste is dropped or transported using conveyors.</p> <p>There will be no tipping or sorting wastes of any wastes which are likely to be blown around during conditions of high winds, this considered to be 9 or above on the Beaufort Scale.</p> <p>All vehicles entering and leaving the site will be sheeted to comply with the requirements of the Duty of Care legislation.</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
Noise	<p>Fixed and mobile plant and machinery breakdowns or malfunctions</p> <p>Tipping / loading waste into vehicles, fixed and mobile plant in external areas of the site</p> <p>Operating mechanical treatment plants in external areas of the site i.e. crusher</p> <p>Operating mobile plant in all areas of the site during a Saturday</p>	Air or ground by vibration	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Flora & fauna</p> <p>Residential receptors</p> <p>Highways/road networks and railway lines</p> <p>Public transport users Schools</p> <p>Priority habitats deciduous woodlands</p>	A, D	Mo	3	Low	<p>No mechanical treatment of waste is proposed at the site. The only external activities which will take place will be loading and unloading of waste into/from HGVs at the site and the use of mechanical grabs to separate waste manually</p> <p>The site is situated on a busy Industrial Estate and there are large industrial premises situated between the site and nearest residential receptors, it is considered that the site will not generate excessive levels of noise.</p> <p>The surrounding activities will have constant vehicle movements throughout the day which would offset any noise generated by the operator's proposed operations.</p> <p>The site has been operating since 2010 and using mechanical treatment equipment and has never received any noise complaints.</p> <p>Nearest residential receptors are approximately 170m to the south-west of the site but between these receptors comprises the very busy A444 and West Midlands railway line. It is considered the road network and railway would comprise the main source of background noise and higher than that of any operations taking place at the site.</p> <p>The site operating hours will comprise Monday to Friday 06:00 -17:00 and Saturday 07:00 - 12:00 which are consistent with operating hours for other premises on the surrounding industrial estates.</p> <p>The waste storage and transfer will take place in an enclosed external yard space below the height of surrounding infrastructure to screen noise.</p> <p>Drop heights will be kept to a minimise noise / vibration.</p> <p>Management will ensure that all loading plant operated is functioning suitably 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 and no revving of engines will be permitted at the site i.e. no idling policy</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>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>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
								<p>In the event of major repair work being undertaken which is likely to cause significant noise and disruption, neighbouring residents and the EA will be notified in advance</p> <p>No hot works i.e. welding/cutting will take place at the site and any repairs required will take place inside the designated workshop building.</p> <p>Reference should be made to Section 2.6 of the operator's FPP in relation to preventative maintenance checks to reduce the likelihood of fixed or mobile plant failure.</p> <p>Use the complaint's procedure from the EMS (Section 4.10) to ensure any noise complaints are addressed and substantiated.</p>
Vermin causing leptospirosis and other respiratory diseases	<p>Poor housekeeping</p> <p>Staff negligence leading to acceptance of unauthorised waste giving rise to pests</p> <p>Storing trade waste bins for excessive time periods</p>	Water, direct contact with waste	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Residential receptors</p> <p>Schools</p>	A to C	Mi to Mo	4	Near zero	<p>The containment of all waste and the strict waste acceptance criteria presents a very low risk of the site attracting pests.</p> <p>If any waste which could give rise to pests such as food waste is detected on arrival to the site or after deposit it will be marked as rejected and placed in quarantine for removal off site as soon as practicable. As shown on Drawing No. COR/3206/03, no wastes which could give rise to pests are being stored in open areas of the site, and any residual (non-recyclable) material will be contained in sealed 40 cubic yard, roll on roll off skips</p> <p>The wastes before being unloaded from the skip will be inspected for contrary items and any material found not suitable or contain any wastes with the potential to cause pests will not be unloaded and left in the skip. The driver collecting the skip will also carry out a check of the contents to ensure no food waste or other wastes likely to create pests is present.</p> <p>Any wastes identified during the incoming waste inspections which do not conform to site acceptance criteria will not be accepted and/or removed and quarantined immediately to await safe removal from site. The EA will be contacted (where necessary) if the non-conforming waste discovered is likely to lead to a breach of permit conditions.</p> <p>Wear PPE - gloves and masks as appropriate</p> <p>Site inspections daily</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
								<p>3 Rejected wastes will have been segregated from any loads from the tipping area, these waste will then be placed in a rejected waste skip and removed from site.</p> <p>Strict waste acceptance procedures (Sections 3.1 – 3.3 of EMS)</p> <p>Refer to Section 4.2 of EMS in terms of daily inspections</p> <p>Pest controller called in the event of pests being present at the site or complaints received from receptors</p> <p>Any wastes with the potential to cause pests accepted which are not shown on Drawing No. COR/3206/03 will be stored within a secure bay or container and removed from site within 48 hours.</p>
Fire/ smoke / particulates	Refer to Section 2.1 of operator's FPP	Air, direct contact	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Flora & fauna</p> <p>Residential receptors</p> <p>Highways/road networks and railway lines</p> <p>Public transport users Schools</p> <p>Priority habitats deciduous woodlands</p>	A to F	Mi to S	3	Medium	<p>Refer to Fire Prevention Plan COR-3206-B.</p> <p>No fires are permitted on site.</p> <p>No waste will be burnt on site.</p>
Vehicle collision/ accidents including impacts and injury	<p>Poor visibility</p> <p>Spillages of oils/fluids causing vehicles to skid</p> <p>Lack of PPE worn by staff</p> <p>Staff negligence i.e. mobile plant operators</p>	Direct contact	<p>Site personnel / visitors</p> <p>Vehicle users</p> <p>Pedestrians</p>	A to F	Mi to S	3	Low	<p>Good housekeeping (Refer to Section 4.2 of EMS) in terms of daily inspections.</p> <p>The location of the above areas are shown on Drawing No. COR/3206/03. The storage of these fluids will take place in a sealed tanks stored >6m from any waste material or other combustible / flammable material. The Fuel tank on site is bunded and a drip tray is in place to collect any spillages. The fuel pump hose is kept locked in a box on the drip tray. A spill kit will be readily available next to the fuel tank. Ad blue, lubricants and other liquids are stored on bunds inside the workshop with spill kits, absorbents located in the vicinity .</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
	Excessive waste storage causing collapse of stored materials / falling materials and reducing accessibility around the site							<p>Good vehicle management and refer to Section 2.6 of the operator's FPP in relation to preventative maintenance check to reduce the likelihood of fixed or mobile plant failure.</p> <p>Ensure all free-standing waste storage areas are in the correct locations and access areas are kept clear as shown on Drawing No. COR/3206/03.</p> <p>An accident logbook is kept in the site office so all new and existing staff members can review previous accidents.</p> <p>Encouragement for staff for greater number of "accident-free days" to encourage a safer working environment</p> <p>Appropriate signage throughout the site.</p> <p>All staff have radio's and use horns / alarms on equipment to alert them of their presence</p> <p>The operator has trained staff who control vehicle movements throughout the site.</p> <p>Vehicle movements on site restricted to 5mph.</p> <p>Dedicated staff & visitor parking areas as shown on Drawing No. COR/3206/03.</p> <p>Staff training procedures shown in Section 6 of the EMS.</p>
Leachate	<p>Poor housekeeping</p> <p>Staff negligence leading to acceptance of unauthorised waste giving rise to leachate</p> <p>Overflowing trade waste bins</p> <p>Defects to the concrete surfaces storing waste</p> <p>Defects to the site drainage system</p>	Ground	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Flora & fauna</p> <p>Residential receptors</p> <p>Highways/road networks and railway lines</p> <p>Public transport users</p> <p>Schools</p>	E, F	Mi to S	3	Low	<p>All areas which store and treat waste are located on an impermeable concrete surface with sealed drainage. Surface water from waste processing areas of the site drain into a series of surface gully catchment pits before draining into the combined sewer on Coronel Avenue via an interceptor.</p> <p>All maintenance/housekeeping are listed on daily record/inspection forms. The inspection form will be completed by a person who is familiar with the requirements of the EMS and EP for the site. All details of defects, problems and repairs carried out will be recorded on the form on the day that each event occurs. Detailed comments may also be recorded in a site diary. All repairs will be carried out as soon as practically possible.</p> <p>All employees are given induction training and subsequent regular training to identify those waste types which are permitted for acceptance at the site under the site's EP and those wastes which are not. This will include specific training to identify those common wastes which may be found following deposit and are not permitted</p>

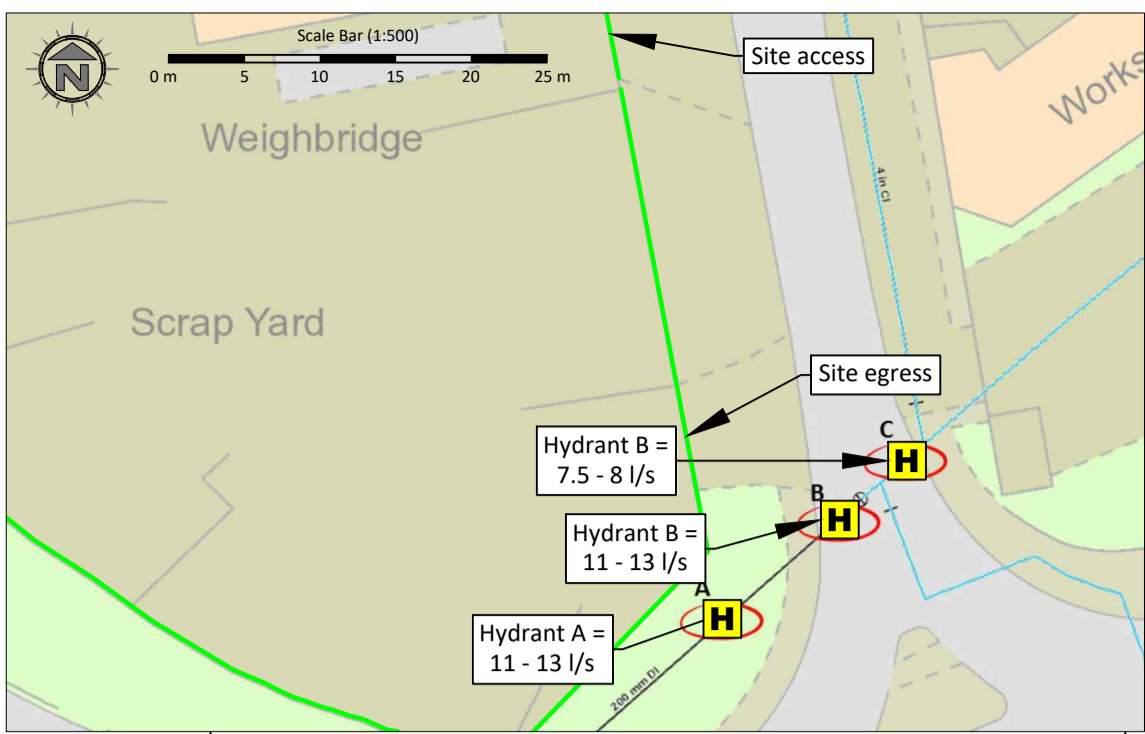
Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
								<p>at the site and will also include more obscure wastes and how to handle these wastes safely. All employees are advised that they should refer any unrecognisable or unknown wastes to senior management, who should, in turn, follow procedures outlined in the EMS and/or contact NRW to agree a suitable method for removal</p> <p>Regular (minimum daily) checks of site surface infrastructure (as above).</p> <p>The location of the above areas are shown on Drawing No. COR/3206/03. The storage of these fluids will take place in a sealed tanks stored >6m from any waste material or other combustible / flammable material. The Fuel tank on site is bunded and a drip tray is in place to collect any spillages. The fuel pump hose is kept locked in a box on the drip tray. A spill kit will be readily available next to the fuel tank. Ad blue, lubricants and other liquids are stored on bunds inside the workshop with spill kits, absorbents located in the vicinity .</p> <p>Dedicated mobile quarantine skip for intercepted leachable wastes found during initial inspections ensuring isolation and quick removal off site. The skip may be positioned in various positions of the site depending how operations permit.</p> <p>Any wastes which are liable to give rise to contamination will be removed from site or placed into the quarantine skip/area which is located on an impermeable concrete surface with sealed drainage.</p> <p>Following a review of the underlying geology of the site, the site overlies the Whitacre Member made up from mudstone and sandstone, sedimentary bedrock formed between 309.5 and 302 million years ago during the Carboniferous period. The hydrogeology of the site is part of the Warwickshire Group which is defined as being a moderately productive aquifer.</p> <p>It is therefore concluded based on the above that the site operations will not pose an unacceptable risk to surrounding surface waters or land given the site is located on an impermeable concrete surface with sealed drainage.</p>
Hydrocarbons including release of gases/fumes/vapours/volatiles	<p>Spills from fuel tanks</p> <p>Drips when refuelling</p> <p>During delivery</p> <p>Leakage from stored drums</p> <p>Fixed and mobile plant malfunction</p>	<p>Ground - direct contact, ingestion</p> <p>Inhalation (of volatiles)</p>	<p>Site personnel/ visitors</p> <p>Surrounding site users/occupiers</p> <p>Surface waters</p> <p>Flora & fauna</p>	A, B, D, E, F	Mitigation	3	Low	<p>The storage of fuel or hazardous fluids storage takes place in a sealed tanks stored >6m from any waste material or other combustible / flammable material. The Fuel tank on site is bunded and a drip tray is in place to collect any spillages. The fuel pump hose is kept locked in a box on the drip tray. A spill kit will be readily available next to the fuel tank. Ad blue, lubricants and other liquids are stored on bunds inside the workshop with spill kits, absorbents located in the vicinity .</p>

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
	Mixing of waste/ chemicals Spillage of chemicals Overturned vehicle plant/plant failure Reaction between stored wastes		Residential receptors Highways/road networks Schools					<p>All plant manoeuvring takes place on an impermeable concrete surface with sealed drainage and refer to Section 4.2 of the EMS in terms of daily inspections.</p> <p>The site is surfaced with concrete and has a sealed drainage system.</p> <p>Where plant is operated; drip trays will be available to ensure that fuels are contained.</p> <p>Spill kits kept close to source(s) of hazards as shown on Drawing No. COR/3206/03.</p> <p>Reference should be made to Section 2.6 of the FPP in relation to preventative maintenance checks to reduce the likelihood of fixed or mobile plant failure which is source of most fires from waste sites. Any spillages identified will be dealt with in accordance with the spillage procedures outlined in section 5.4 of the EMS.</p> <p>Dedicated mobile quarantine skips for intercepted wastes found during initial inspections ensuring isolation and quick removal off site. The skip may be positioned in various positions of the site depending how operations permit.</p> <p>Very little potential for hydrocarbons to be released from site given the wastes accepted and stored i.e. no ELVs</p> <p>Ensure all waste storage areas are stored as per the waste storage table and locations shown on Drawing No. COR/3206/03 to reduce the risk reactions of stored waste, fire and collisions between plant causing release of fumes.</p> <p>No gas is stored at the site.</p>
Adverse weather conditions	High winds Poor visibility due to fog Freezing weather conditions Droughts, warm, hot weather Long periods of rainfall i.e. excessively for 3 no. days	Direct contact	Site personnel / visitors Vehicle users Pedestrians	A to F	Mi to S	3	Low	<p>High winds - There will be no sorting, processing or treatment of any wastes which are likely to be blown around during conditions of high winds. Vehicles leaving the site will be sheeted to comply with the requirements of the Duty of Care legislation.</p> <p>Poor visibility – The site will not operate in conditions of poor visibility such as dense fog to reduce the risk of accident or vehicle collision.</p> <p>Freezing weather – The site has road salt available on site to lay on site surfaces to prevent vehicles and staff skidding causing accidents or injuries. The continuous movement of plant on site will also prevent site surfaces from icing over in winter months.</p>

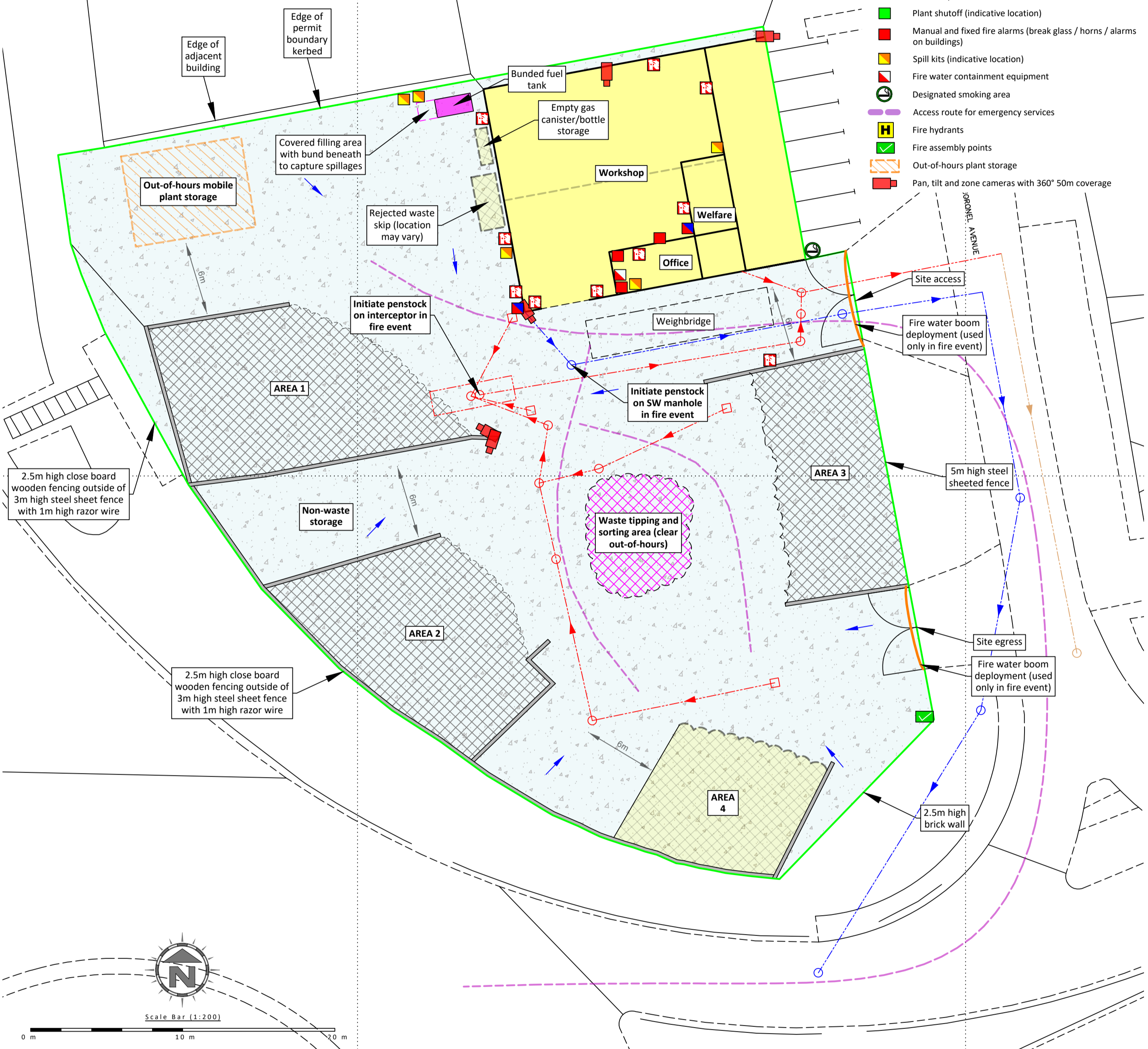
Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
								<p>Droughts / warm weather - The site can source further dust suppression equipment such as bowsers, dust cannons if dust became a nuisance due to these weather conditions.</p> <p>Long periods of rainfall or flood events – Due to the site’s surface and waste types accepted, there is very limited potential for mud tracking off site. All vehicles will undergo a stringent check and vehicle chassis would be sprayed using hoses to reduce the risk of mud tracking off site. If this isn’t suitable, the operator would source a road sweeper until weather conditions improve. The site is not located within a flood risk zone.</p> <p>The operator will set up a notification alert with the Met Office to receive prior notifications of the above unforeseen adverse weather conditions to ensure mitigation can be put in place prior to the event. The site may be forced to close during events which could cause a significant risk to staff, human health or the environment.</p>
Flooding	<p>Climate change leading to rising sea/river levels</p> <p>Flooding due to heavy rainfall events</p> <p>Blocked drains</p>	Direct contact	<p>Site personnel / visitors</p> <p>Vehicle users</p> <p>Pedestrians</p>	A to F	Mi to S	3	Low	<p>The site is located in flood zone 1 meaning it has a low probability of flooding from rivers and sea.</p> <p>The site is situated over 450m from an area demarcated as flood zone 3.</p> <p>Inspection of the surface water on site will be carried out throughout the day using inspection forms by site staff and in the event of surface water pooling from heavy rainfall events, the operator will inspect the water by eye and any distinctive colouring from either oil or potentially contaminated wastes will be pumped out using a hired in tanker.</p>

Appendix I

Drawings



- Key:**
- Proposed permit boundary
 - Waste storage areas
 - Non-waste storage areas
 - Temporary waste storage areas (clear prior to shutdown)
 - Other buildings i.e. workshops/offices
 - Impermeable concrete surfaces with sealed drainage
 - Contaminated surface water drainage
 - Clean surface water drainage (from building roof)
 - Combined sewer drainage
 - Surface water drainage fall direction
 - ○ ○ Manholes and gullies
 - Fire water boom
 - ACO drainage channels
 - Quarantine area (with 6m buffer zone)
 - Hose reels (indicative location)
 - Fire fighting equipment / extinguishers (indicative locations)
 - Plant shutoff (indicative location)
 - Manual and fixed fire alarms (break glass / horns / alarms on buildings)
 - Spill kits (indicative location)
 - Fire water containment equipment
 - Designated smoking area
 - Access route for emergency services
 - H Fire hydrants
 - Fire assembly points
 - Out-of-hours plant storage
 - Pan, tilt and zone cameras with 360° 50m coverage



Storage Area	Plan Ref	Description	Storage type	Containment / type	Height / width	Max Width	Max Length	Max	Approx. Area	Conversion	Approx.	Approx.	Max storage	Comments
AREA 1		Mixed municipal waste bulking bay	Free-standing (unprocessed)	Storage bay / galvanised steel	3 / 0.3	18	20	2	200	0.75	300	100	<72 hours	As above, pile covered with netting to prevent pests and escape of litter
AREA 2		As above	Free-standing (unprocessed)	Storage bay / galvanised steel	3 / 0.3	16	10	2	160	0.75	240	80	<72 hours	See AREA 1
AREA 3		As above	Free-standing (unprocessed)	Storage bay / galvanised steel	3 / 0.3	19	13	2	200	0.75	300	100	<72 hours	As above, pile covered with netting to prevent pests and escape of litter
AREA 4		Quarantine area	Free-standing (unprocessed)	As above	3 / 0.8	12.5	10.8	2	135	0.75	203	101	<72 hours	This area will be clear during operational hours and will act as the quarantine area in the event of a fire

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants

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t: 01606 558833 | e: sales@oaktree-environmental.co.uk

DRAWING TITLE
PROPOSED LAYOUT & FIRE PLAN

CLIENT
Tom White Waste Ltd

PROJECT/SITE
Land at 1 Coronel Avenue, Off Rowleys Green Lane, Coventry CV6 6AP













SCALE @ A2 1:250	CLIENT NO 3206	JOB NO 001
DRAWING NUMBER COR/3206/03	REV A	STATUS Issued
DRAWN BY CP	CHECKED --	DATE 25.01.23

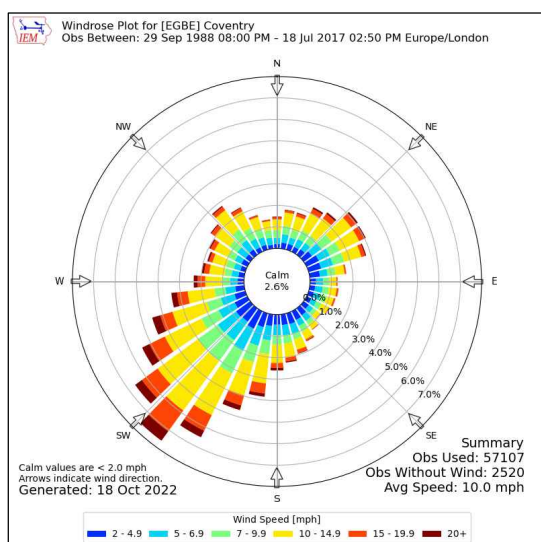
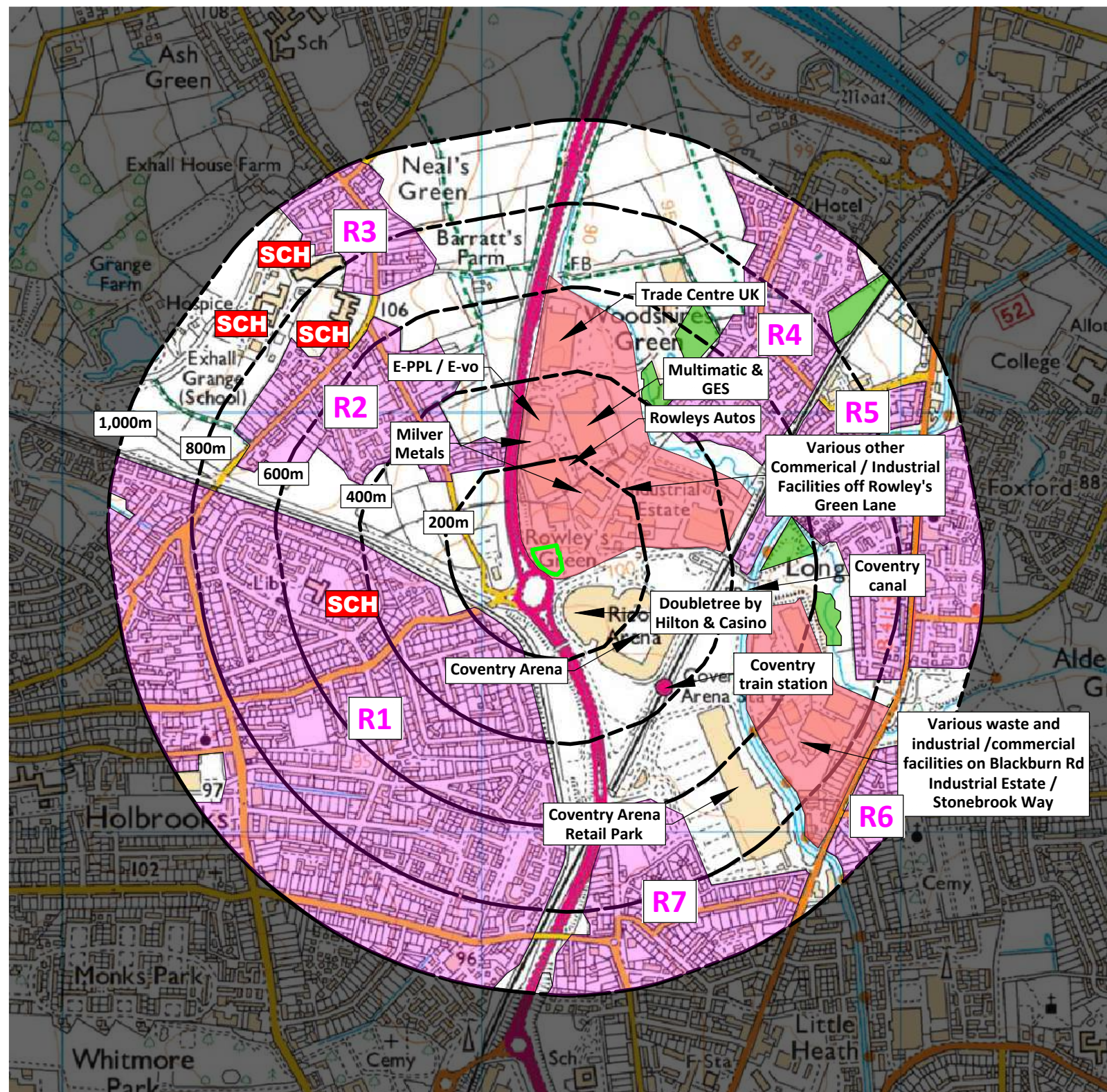
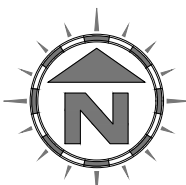
NOTES
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REVISION HISTORY

Rev:	Date:	Init:	Description:
-	04.01.23	CP	Initial drawing
A	25.01.23	CP	Updated drainage following survey

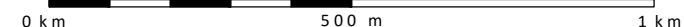
KEY:

-  Permit boundary
-  Surface water body (river / stream / pond / pool / lake)
-  Residential receptor blocks (may include small retail/leisure also)
-  Workplaces (includes agriculture industry, commerce and retail)
-  Areas with mix industrial, retail, manufacturing and commercial properties
-  Class A roads
-  Class B roads
-  Class C roads
-  Railway line
-  School
-  Woodland areas (not protected)
-  Priority Habitat (deciduous woodland)



Compass Wind Rose for (EGBE) Coventry -
Period 1988-2017
- source: Iowa State University

Scale Bar (1:12,500)



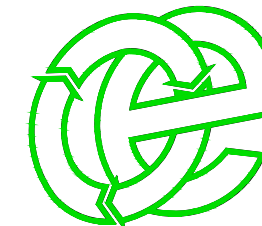
NOTES

1. Boundaries are shown indicatively.
2. The site overlies a principal aquifer and is located on a high groundwater vulnerability location.
3. Wind rose data shows the prevailing wind direction to be blowing north-east from the south-west.

REVISION HISTORY

Rev:	Date:	Init:	Description:
-	08.12.22	JH	Initial drawing
A	04.01.23	CP	Application copy

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants



DRAWING TITLE
RECEPTOR PLAN - 1,000m

CLIENT
Tom White Waste Ltd

PROJECT/SITE
Land at 1 Coronel Avenue, Off Rowley's Green Lane, Coventry CV6 6AP

SCALE @ A3 **CLIENT NO** **JOB NO**
1:12,500 3206 001

DRAWING NUMBER **REV** **STATUS**
COR/3206/04 A Issued

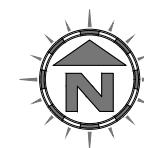
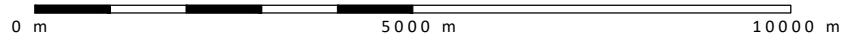
DRAWN BY **CHECKED** **DATE**
CP -- 04.01.23

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KEY:

— Permit boundary

Scale Bar (1:100,000)

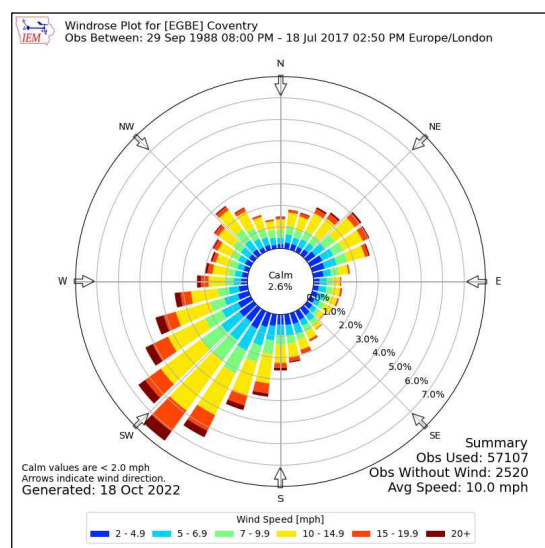


NOTES

1. Boundaries are shown indicatively.
2. The site overlies a principal aquifer and is located on a high groundwater vulnerability location.
3. Wind rose data shows the prevailing wind direction to be blowing north-east from the south-west.

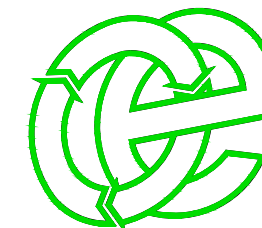
REVISION HISTORY

Rev:	Date:	Init:	Description:
-	04.01.23	CP	Initial drawing



Compass Wind Rose for (EGBE) Coventry - Period 1988-2017
- source: Iowa State University

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants



DRAWING TITLE
RECEPTOR PLAN - 500m

CLIENT
Tom White Waste Ltd

PROJECT/SITE
Land at 1 Coronel Avenue, Off Rowley's Green Lane, Coventry CV6 6AP

SCALE @ A3	CLIENT NO	JOB NO
1:10,000	3206	001

DRAWING NUMBER	REV	STATUS
COR/3206/05	-	Issued

DRAWN BY	CHECKED	DATE
CP	--	04.01.23

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