APPLICATION FOR AN ENVIRONMENTAL PERMIT UNDER THE ENVIRONMENTAL PERMITTING (ENGLAND AND WALES) REGULATIONS 2016 (AS AMENDED)

FIRE PREVENTION PLAN

ACKHURST WASTE TRANSFER STATION, ACKHURST ROAD, CHORLEY, PRESTON, PR7 1NH

ECL Ref: CHBC.01.01/FPP
January 2025
Version: Issue 1

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ACRONYMS/TERMS USED IN THE TEXT

BGS	**British Geological Survey**
CC	**Chorley Council**
CCTV	**Closed Circuit Television**
COSHH	**Control of Substances Hazardous to Health**
EA	**Environment Agency**
ECL	**Environmental Compliance Limited**
FPP	**Fire Prevention Plan**
FRA	**Fire Risk Assessment**
FRS	**Fire and Rescue Service**
GVZ	**Groundwater Vulnerability Zone**
LNR	**Local Nature Reserves**
MAGIC	**Multi Agency Geographical Information for the Countryside**
NGR	**National Grid Reference**
NNR	**National Nature Reserves**
PAT	**Portable Appliance Testing**
POPs Regulations	**Persistent Organic Pollutants (Various Amendments) Regulations 2019**
POPs	**Persistent Organic Pollutants**
PPE	**Personal Protective Equipment**
RAMSAR	**Convention on Wetlands of International Importance**
SAC	**Special Areas of Conservation**
SPA	**Special Protection Areas**
SPZ	**Source Protection Zone**
SSSI	**Sites of Special Scientific Interest**
TCM	**Technically Competent Manager**
The Facility	**The area within the Environmental Permit Boundary**
The Site	**The whole of the Ackhurst Road Council Depot**

DOCUMENT HISTORY

Date	Version	Section	Description	Written by	Approved by
December 2024	Issue 1	All	All	ECL	Doug Cridland, Chorley Council

1. INTRODUCTION

1.1. Overview of the Fire Prevention Plan

1.1.1. A Fire Prevention Plan ("FPP") has been prepared on behalf of Chorley Council ("CC") by Environmental Compliance Limited ("ECL") to accompany an Environmental Permit application for a bespoke waste operation for a waste transfer station located on Ackhurst Road, Chorley, Preston, PR7 1NH, hereinafter referred to as "the Facility". It should be noted that the Facility is located within the operational depot for Chorley Council Streetscene Services, herein after referred to as "the Depot".

1.1.2. As per the requirements of the Environment Agency ("EA") online guidance – *'Fire prevention plans: environmental permits'*[1] (updated January 2021, accessed September 2024,) a FPP should be prepared, implemented and maintained at the Facility as the guidance applies to operators who store any amount of combustible waste.

1.1.3. The Facility comprises an area within the Depot. Activities undertaken by CC include street sweepings, bin emptying, fly tip waste removal and grounds maintenance for the Council parks and open spaces. The Depot is the base for operational staff and plant, provides office and welfare facilities along with parking for staff and visitors.

1.1.4. No processing of waste will occur at the Facility, and the hazardous waste storage will not exceed 50 tonnes at any one time.

1.1.5. Due to the waste codes to be accepted at the Facility, a bespoke waste operation Environmental Permit is required as the activities fall under Schedule 9 of the Environmental Permitting (England and Wales) Regulations 2016 as amended ("EP Regulations").

1.1.6. This report follows the EA's FPP guidance[1] and the fire prevention measures have been designed to meet the three objectives:

- minimise the likelihood of a fire happening;
- aim for a fire to be extinguished within 4 hours; and
- minimise the spread of fire within the site and to neighbouring sites.

1.1.7. The FPP identifies measures to be employed to reduce the likelihood of fires at the Facility. In addition, the FPP identifies measures to be employed in the event of a fire in order to limit the damage caused to the environment or human health.

1.1.8. Under current fire safety legislation[2], a responsible person must carry out, or appoint a competent person to carry out, a suitable and sufficient assessment of the risks of fire to employees and others who may be affected by a fire at the Site. A Fire Risk Assessment ("FRA") will be carried out by appointed specialist fire consultants prior to commencement of activities, as well as on an annual basis, or in the event of a change to operations at the Facility.

[1] EA Online Guidance – '*Fire prevention plans: environmental permits*'. Available at: https://www.gov.uk/government/publications/fire-prevention-plans-environmental-permits/fire-prevention-plans-environmental-permits, accessed October 2021.

[2] Regulatory Reform (Fire Safety) Order 2005

1.1.9. A number of Environmental Permit application drawings have been prepared as part of this Fire Prevention Plan and are included in Appendix I of this FPP.

1.1.10. The drawings prepared are as follows:

- Site Location Plan – CHBC.01.01-01;
- Site Layout Plan – CHBC.01.01-02;
- Sensitive Receptor Plan – CHBC.01.01-03;
- Fire Prevention and Mitigation Plan – CHBC.01.01-04; and
- Drainage Arrangements Plan – CHBC.01.01-05.

1.2. The Applicant

1.2.1. The Applicant is Chorley Council.

1.3. Fire Prevention Plan Communication and Training

1.3.1. The following persons must read and understand the Fire Prevention Plan:

- all site staff including nominated Fire Wardens; and
- all contractors.

1.3.2. A copy of the FPP will also be shared with the Lancashire Fire and Rescue Service ("FRS"). A laminated copy of the Fire Prevention and Mitigation Plan (CHBC.01.01-04) will be located at the site entrance so that it is available out of hours.

1.3.3. A copy of the FPP will be kept within the site office, as well as being electronically saved on CC's server which all employees can access.

1.3.4. Training will be provided to all site personnel in relation to how to prevent fires on site, how to identify fire risks and how to identify fires on site. Staff members will undertake a fire awareness course and refresher training will be provided at regular intervals.

1.3.5. The Head of Streetscene and Waste will ensure there is always a sufficient number of staff on site when the site is operational in order to ensure the FPP is followed.

1.3.6. All staff and contractors on site will be made aware and understand the contents of the Fire Prevention Plan and the procedures that are in place in the event of a fire on site. This familiarisation training will be undertaken as part of the induction process. Additionally, spot checks will be carried out once a month by the Technically Competent Manager ("TCM") and noted in the site diary. All training records will be maintained on site.

1.3.7. New starters will be given basic fire instruction within the first three days of commencing employment, which will include:

- appropriate procedure if a fire is discovered;
- appropriate procedure if the fire alarm sounds; and
- roll call procedures.

1.3.8. New starters and seasonal hires will be included in the general employee training programme (including FPP training) at the earliest opportunity, as a maximum within 12

months.

1.3.9. A fire drill will be held every 6 months to simulate the processes which would be undertaken in the event of a fire or other similar emergency, this will include deployment of appropriate firewater containment measures. Findings from the drill will be discussed and an action plan to address any opportunities for improvement will be implemented if necessary. Moreover, a detailed fire procedures inspection and procedural assessment will be undertaken annually. This will entail the testing of relevant procedures, analysing how the procedures are implemented and the staff involved.

2. THE SITE

2.1. Site Location

2.1.1. The Facility is centred on National Grid Reference ("NGR") SD 56599 17318. The location of the Facility with the Environmental Permit boundary shown in green is provided on the Site Location Plan (CHBC.01.01-01) which is contained in Appendix I of this document.

2.1.2. The Facility is located within Common Bank Industrial Estate which consists of numerous industrial/commercial units, a sewerage works, quarrying activities and a solar farm. The surrounding land uses are described in Section 2.2 of this FPP.

2.1.3. Access to the Facility is directly from Ackhurst Road with separate dedicated entry and exit points. The access points, in addition to the wider road network, are illustrated on the Site Location Plan (CHBC.01.01-01), which is contained within Appendix I.

2.1.4. The closest Fire Station is Chorley Fire Station located on West Way, Euxton, Chorley PR7 6DH. This station is located approximately 1 mile (3 minute drive) from the Facility.

2.1.5. The Facility will benefit from security fencing and lockable gates. Rise and fall barriers will be in place with an ANPR intercom at the site entrance. All access doors have controls and are locked at the end of each working day. Additionally, the Facility will benefit from Closed Circuit Television ("CCTV") cameras which will be strategically positioned through the site. Footage will be monitored at the Facility.

2.2. Sensitive Receptors

2.2.1. A summary of the immediate environmental site setting is provided in Table 1.

Table 1 Summary of Surrounding Land Uses

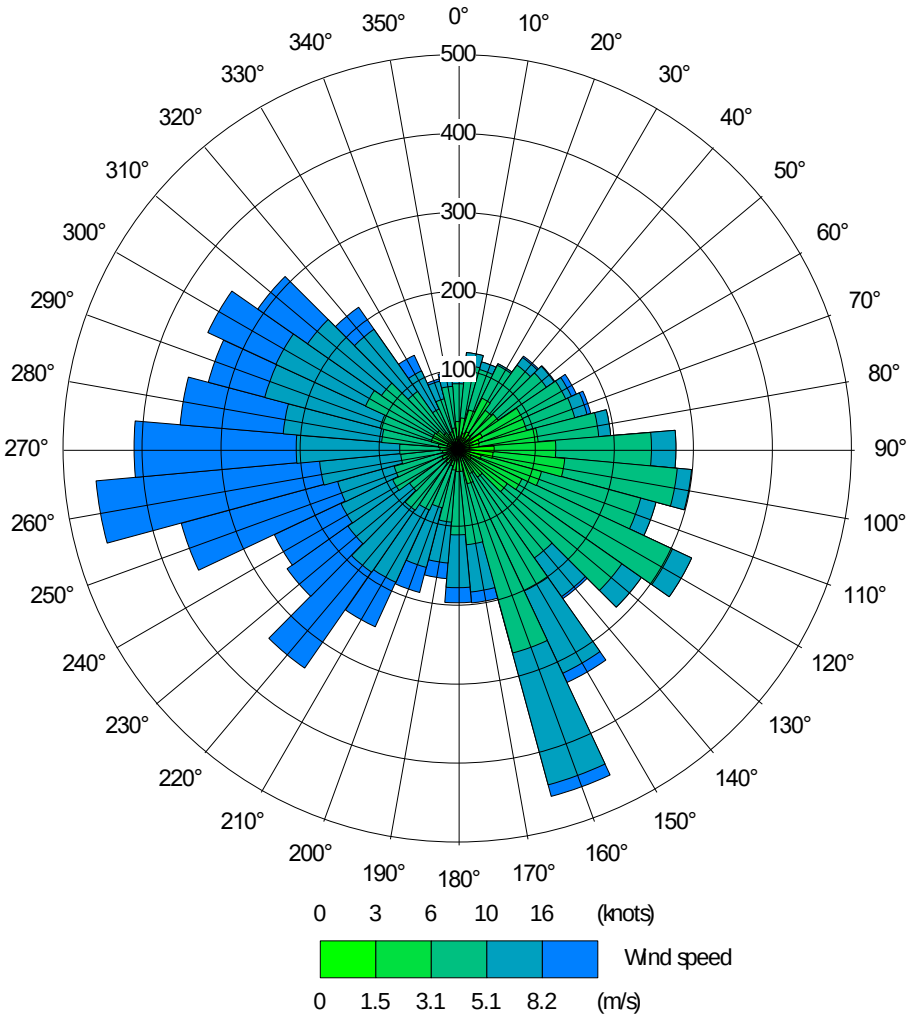
Direction	Description
North	Common Bank Industrial Estate, Waste Water Treatment Works, Ackhurst Business Park, residential areas.
East	Common Bank Industrial Estate, woodland and Chorley residential areas.
South	Ancient Woodland, open fields, farmland, residential area.
West	Solar farm, open fields, railway,

2.2.2. The potential sensitive receptors within a 1km radius of the Environmental Permit ("EP") boundary that could be affected by a fire are shown on the Sensitive Receptors Plan (CHBC.01.01-03) which is contained in Appendix I of this document.

2.3. Windrose

2.3.1. The closest Met Office meteorological station to the Facility, that can provide wind data, is Crosby. Crosby weather station is located approximately 31km to the southwest of the site. The wind rose for 2023, which is provided in Figure 1, shows that the wind directions are predominately westerly and south-easterly.

Figure 1: Annual Wind Rose: Crosby - 2023



2.4. Geology

2.4.1. The National Soils Institute – Soilscapes website[3] describes the regional soils as slightly acid loamy and clayey soils with impeded drainage.

2.4.2. According to the British Geological Survey ("BGS") 'Geology Viewer'[4] the bedrock geology is described as Pennine Lower Coal Measures Formation – mudstone, siltstone and sandstone. Sedimentary bedrock formed between 319 and 318 million years ago during

[3] Cranfield Soil and Agrifood Institute Soilscapes Map, available at https://www.landis.org.uk/soilscapes/# , accessed September 2024
[4] BGS Geology Viewer, available at: https://geologyviewer.bgs.ac.uk/ , assessed September 2024.

the Carboniferous period. Superficial deposits – Till, Devensian – Diamicton. Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

2.5. Hydrogeology and Surface Water

2.5.1. The Multi-Agency Geographical Information for the Countryside ("MAGIC") online mapping tool[5] indicates that the Facility does not fall within a Source Protection Zone ("SPZ").

2.5.2. According to the MAGIC Groundwater Vulnerability Map, the Facility is located within a medium Groundwater Vulnerability Zone ("GVZ").

2.5.3. The nearest watercourse, River Yarrow, is located approximately 36m south of the Facility.

2.6. Flooding

2.6.1. The postcode for the Facility falls within an area possessing a very low risk of flooding from rivers and the sea. An area at very low risk of flooding is defined by the EA as having less than 0.1% chance of flooding annually. Additionally, the Facility is at very low risk of flooding from surface water.

2.7. Ecology

2.7.1. A Nature and Heritage Conservation Report has been obtained from the EA as part of enhanced pre-application advice.

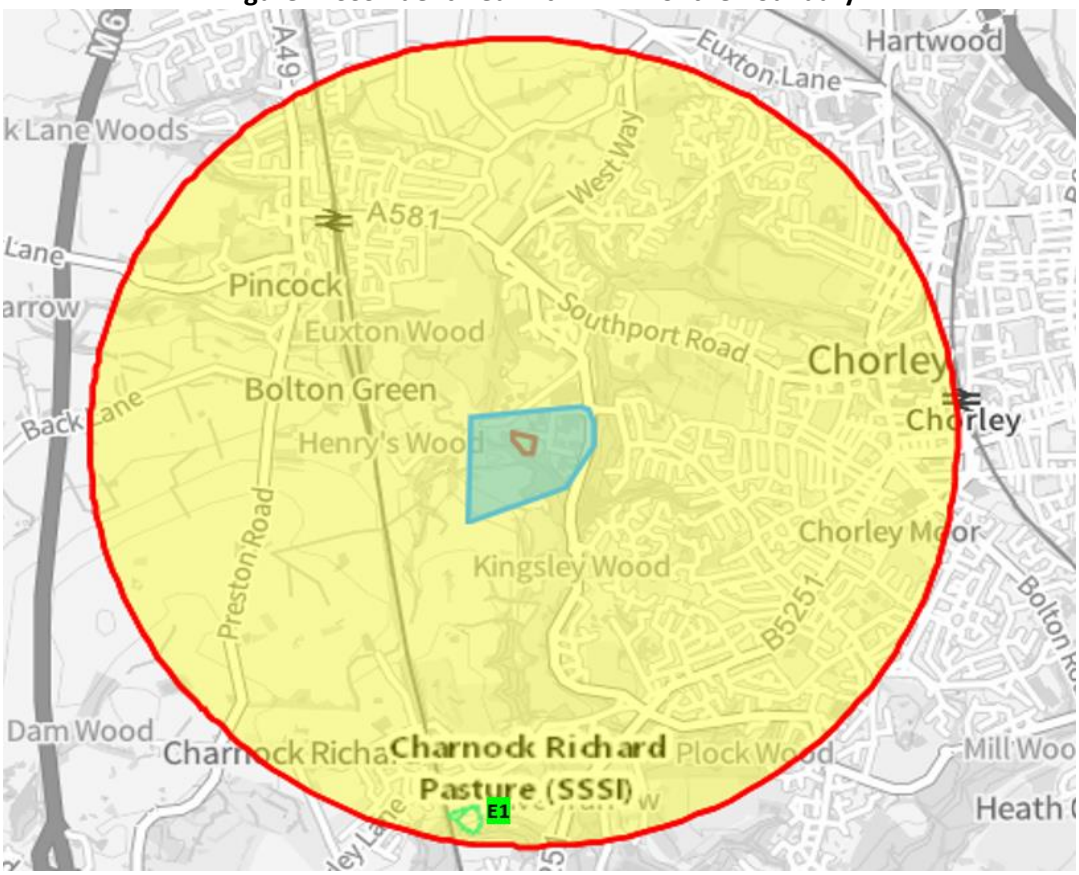
2.7.2. A review of the area using the Multi-Agency Geographic Information for the Countryside[6] ("MAGIC") online tool identified that the Facility is not located within 10km of any Ramsar Convention on Wetlands of International Importance ("Ramsar"), Special Area of Conservation ("SAC") or Special Protection Area ("SPA").

2.7.3. No National Nature Reserves ("NNR") or Local Nature Reserves ("LNR") are located within 2km of the boundary.

2.7.4. One Site of Special Scientific Interest ("SSSI") was identified within 2km of the proposed boundary, namely Charnock Richard Pasture, as shown in Figure 2.

[5] MAGIC Map Online Mapping Tool, available at: https://magic.defra.gov.uk/MagicMap.aspx , accessed August 2023
[6] Department for Environment, Food and Rural Affairs ("DEFRA") MAGIC Online Mapping Tool, available at: https://magic.defra.gov.uk/magicmap.aspx, accessed September 2024.

Figure 2: SSSI identified within 2km of the Boundary



2.7.5. The Ordnance Survey ("OS") National Grid Reference ("NGR") of the identified ecological receptor, at the approximate nearest point to the Facility, is provided in Table 2.

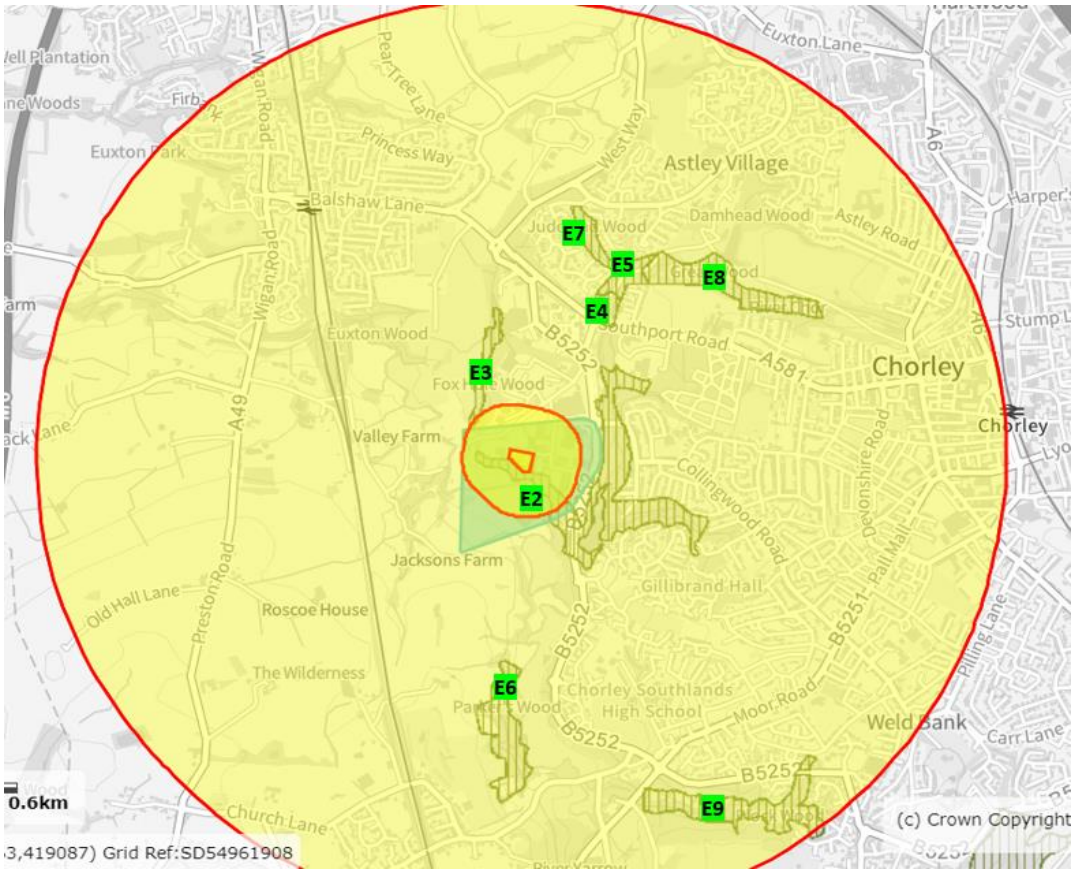
Table 2: SSSI identified within 2km of the Facility Boundary

Ref	Description	Designation	Easting (X)	Northing (Y)	Distance from Facility* (km)	Heading (°)
E1	Charnock Richard Pasture	SSSI	356328	415407	1.91	188

* Distances are calculated as the crow flies from the specified receptor coordinates to on-site NGR: SD 56590 17301.

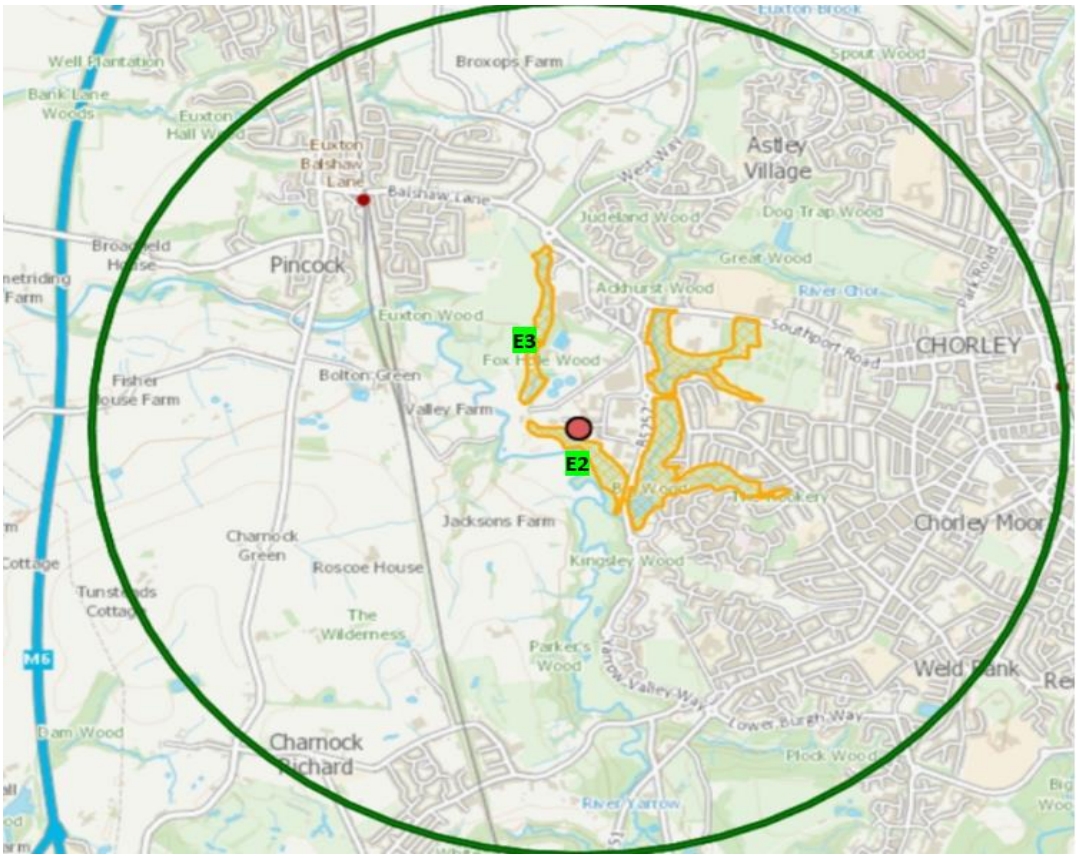
2.7.6. Eight Ancient Woodland ("AW") sites have also been identified within 2km of the Facility. These are shown in Figure 3.

Figure 3: AW within 2km of the Facility Boundary



2.7.7. Two Local Wildlife Sites ("LWS") have also been identified within 2km of the Facility. These are shown in Figure 4.

Figure 4: LWS within 2km of the Facility Boundary



2.7.8. The OS NGRs of the identified ecological receptors, at the approximate nearest point to the Facility, are provided in Table 3.

Table 3: AW and LWS identified within 2km of the Facility Boundary

Ref	Description	Designation	Easting (X)	Northing (Y)	Distance from Facility* (km)	Heading (°)
E2	Wallets Wood / Copper Works Wood	AW/LWS	356586	417248	0.05	184
E3	Fox Hole Wood	AW/LWS	356386	417441	0.25	304
E4	Ackhurst Wood	AW	356957	418001	0.79	28
E5	Not named	AW	357000	418095	0.89	27
E6	Parker's Wood	AW	356537	416369	0.93	183
E7	Judeland Wood	AW	356900	418274	1.02	18
E8	Great Wood	AW	357160	418125	1.00	35
E9	Plock Wood	AW	357139	415821	1.58	160

* Distances are calculated as the crow flies from the specified receptor coordinates to on-site NGR: SD 56590 17301.

2.7.9. In addition to the above, other potentially sensitive land uses within 1km of the Facility were also considered. A review of the area using the MAGIC tool indicated that none of the following sensitive land uses are located within a 1km radius of the Facility:

- Scheduled Monuments;
- World Heritage Sites;
- Areas of Outstanding Natural Beauty;
- Groundwater Source Protection Zones; or
- Nitrate Vulnerability Zones.

3. SITE ACTIVITIES

3.1. Overview

3.1.1. CC is proposing to operate a hazardous and non-hazardous waste transfer station under a bespoke waste operation Environmental Permit.

3.1.2. CC will accept a maximum of 4,000 tonnes of waste per annum. The List of Waste ("LoW") codes to be accepted at the Facility are detailed in Table 1.

Table 4:LoW to be Accepted

Code	Description	Activity
13 02 04 *	mineral-based chlorinated engine, gear and lubricating oils	Waste Transfer Station accepting non-hazardous waste and bulking up
13 02 08*	hazardous engine, gear and lubricating oils	
13 03 01*	insulating or heat transmission oils containing PCBs	
13 07 01*	fuel oil and diesel	
13 07 02*	petrol	
16 01 03	end-of-life tyres	Waste Transfer Station accepting non-hazardous waste and bulking up
16 01 07*	oil filters	Waste Transfer Station accepting non-hazardous waste and bulking up
16 01 14*	antifreeze fluids containing hazardous substances	
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC	
16 05 04*	gas cannisters	
16 06 01*	lead batteries	
16 06 02*	nickel cadmium batteries	
16 06 03*	mercury containing batteries	
20 01 13 *	solvents	
20 01 21*	fluorescent tubes and mercury containing waste	
20 01 23*	discarded equipment containing chlorofluorocarbons	
20 01 27*	paint, inks, adhesives and resins containing hazardous substances	
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	Waste Transfer Station accepting non-hazardous waste and bulking up
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Waste Transfer Station accepting non-hazardous waste and bulking up
20 01 34	batteries and accumulators other than those mentioned in 20 01 33	Waste Transfer Station accepting non-hazardous waste and bulking up

Table 5: Waste Codes to be Accepted

Code	Description	Activity
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Waste Transfer Station accepting non-hazardous waste and bulking up
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	Waste Transfer Station accepting non-hazardous waste and bulking up
20 01 40	metals	
20 02 01	biodegradable waste	
20 03 01	mixed municipal waste	
20 03 03	street-cleaning residues	
20 03 07	bulky waste	
20 01 99	non-infectious offensive waste – municipal, separately collected fractions not from healthcare or research-related sources. non-infectious sharps, not contaminated with chemicals or medicines – not from healthcare or research-related sources. infectious waste, not contaminated with chemicals or medicines – municipal, separately collected fractions, not from healthcare or research-related sources (may contain sharps).	Waste Transfer Station accepting non-hazardous waste and hazardous waste and bulking up

3.1.3. The locations of operational, bulking up and storage areas are shown on Site Layout Plan (CHBC.01.01—02) contained within Appendix I of this FPP.

3.1.4. Main operational hours will be as follows:

- Monday to Friday – 05.00-20.30.

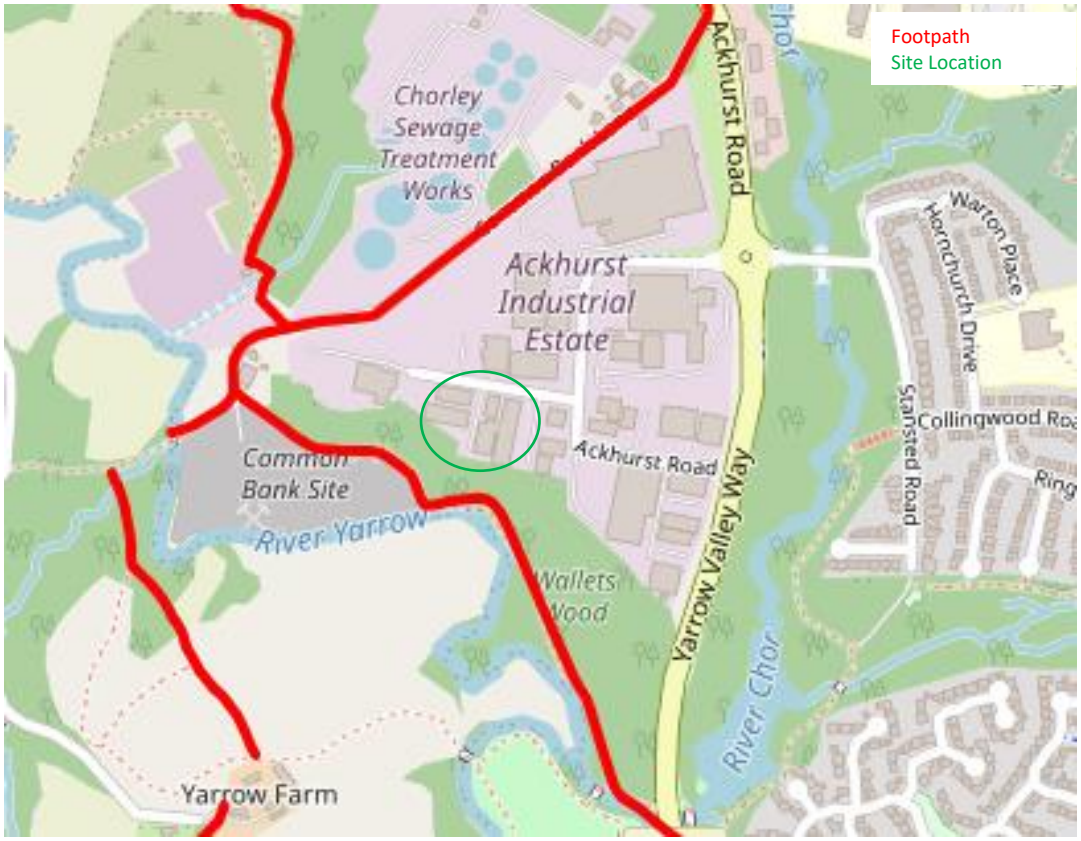
3.1.5. The Facility will be closed on weekends and bank holidays.

3.1.6. The Site will be manned by a minimum of two employees during operating hours. All visitors are required to report to the site office and sign the visitor's register upon arrival and departure. The visitor register is located in the site office.

3.1.7. No public rights of way cross the Facility as shown in Figure 6 below[7].

[7] Rowmaps Public Rights of Way Map, available at: https://www.rowmaps.com/, accessed September 2024

Figure 5: Public Rights of Way



3.2. Description of Site Activities

3.2.1. There will be no treatment undertaken at the Facility.

3.2.2. Waste will only be accepted at the Facility as a result of CC's duties and operations as a Local Authority, this may include waste generated during parks and garden maintenance, street cleaning and the removal and disposal of fly tipped material. CC has a Statutory Duty to undertake such tasks, consequently, the wastes accepted at the Facility are not from waste producers, but are the results of the CC's statutory duties.

3.2.3. Waste will be inspected to ensure it is suitable to be accepted at the Facility. It is then directed to the specific storage area. Site operators will also check that the storage area has the physical capacity to accept the waste.

3.3. Storage Arrangements and Types of Combustible Wastes

3.3.1. The combustible waste types and quantities stored at any one time at the Facility are provided in Table 6 below.

Table 6: Waste Volumes Stored

Storage Area	Waste Material	EWC Waste Codes	Storage Description	Width (m)	Depth (m)	Height (m)	Maximum Waste Pile (m3)	Maximum Storage Duration
G2	Haz waste storage	13 02 04* / 13 02 08* / 13 03 01* / 13 07 01* / 13 07 02*/16 01 07* 16 01 14* / 16 02 11* / 16 05 04* / 16 06 01* / 16 06 02* / 16 06 03* / 20 01 13* / 20 01 21* / 20 01 23* / 20 01 27* / 20 01 28 / 20 01 33* / 20 01 34 / 20 01 35*/ 20 01 99	Covered mesh compound and 12 yard WEEE skip surrounded by a Firewall	6.25	6.5	2.5	102	less than 3 months
G3	WEEE Skip	20 01 36		n/a	n/a	n/a	9	less than 3 months
G4	Street Cleansing Residue	20 03 03	35 yard skip and Concrete bay surrounded by a Firewall	6.15	6.5	2.5	100	2 days
G8	Street Cleaning Residue	20 03 03		n/a	n/a	n/a	27	2 days
G5	Green Waste	20 02 01	35 yard skip and Concrete bay surrounded by a Firewall	3.5	6.5	2.5	57	1 week Oct - March, 1 month April - Sept
G9	Green Waste	20 02 01		n/a	n/a	n/a	27	1 week Oct - March, 1 month April - Sept
G6	General Waste	20 03 01	Concrete bay and 35 yard skip surrounded by a Firewall	4.5	6.5	2.5	73	2-3 days
G7	General Waste	20 03 01		n/a	n/a	n/a	27	2-3 days
G10	Scrap Metal	20 01 40	35 yard skip surrounded by a Firewall	n/a	n/a	n/a	27	less than 3 months
G17	Domestic Waste Containing Persistent Organic Pollutants	20 03 07	35 yard container surrounded by a Firewall	n/a	n/a	n/a	27	less than 3 months

Table 7: Waste Volumes Stored

Storage Area	Waste Material	EWC Waste Codes	Storage Description	Width (m)	Depth (m)	Height (m)	Maximum Waste Pile (m3)	Maximum Storage Duration
G18	Tyres	16 01 03	Concrete bay surrounded by a Firewall	3.2	3.125	2.5	25	less than 3 months
G24	Non Conforming Waste / Quarantine Area / Hot Loads	n/a	Concrete bay surrounded by a Firewall	4.5	4.5	2.5	51	less than 3 months

3.4. Persistent Organic Pollutants

3.4.1. Waste with the potential to contain Persistent Organic Pollutants ("POPs") will be stored as described in Table 6.

3.5. Other Combustible Materials

3.5.1. There are no other combustible materials stored within the Facility EP boundary.

3.6. Waste Accessibility

3.6.1. The accessibility of each waste type in a fire fighting situation is shown on the Site Layout Plan (Drawing Reference CHBC.01.01-02) contained in Appendix I of this document.

3.6.2. The configuration of the Facility has been designed to enable easy access for fire engines and firewater application during active firefighting to ensure a fire is extinguished within 4 hours.

3.6.3. The metal skip is stored in such a way so as to provide accessibility if a fire inside it needs to be extinguished. The type of container selected will allow the lid to be closed to prevent a fire from spreading at the Facility. The container will be moved either to the dedicated quarantine area or another suitable location depending on the location of the fire at the Facility and the access required to other areas of the Facility to aid in firefighting efforts.

3.6.4. FRS instruction and advice will be followed.

3.7. Waste Storage and Quarantine Area

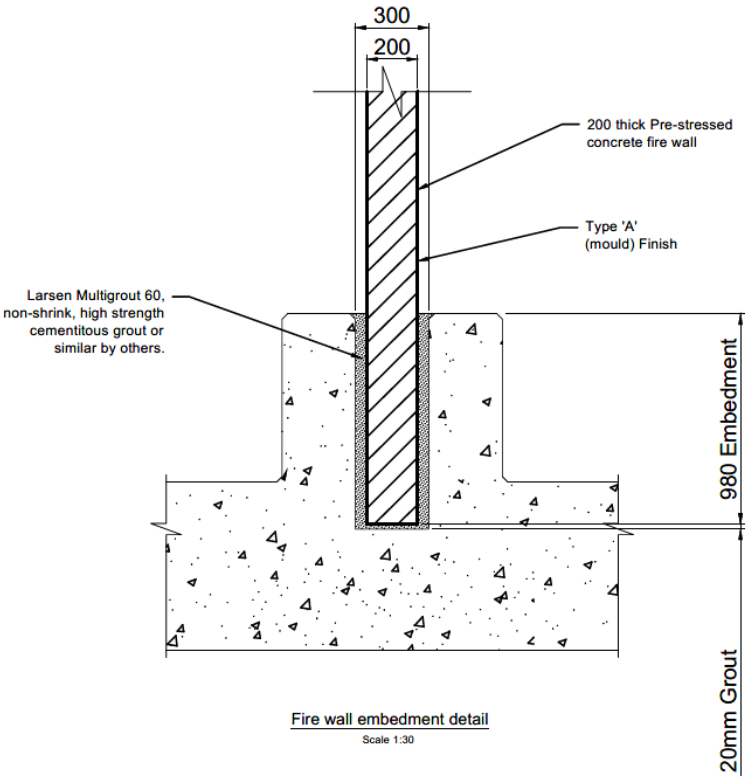
3.7.1. Waste will be transported to the Facility and stored in the appropriately designated areas. The locations of waste are shown on Fire Prevention and Mitigation Plans (Drawing Reference CHBC.01.01-04) which has been drawn to scale and the fire-resistant bund walls clearly labelled.

3.7.2. Due to the constraints of the Facility, separation distances of 6m cannot be achieved, consequently, the proposed firewalls will resist fire (both radiative heat and flaming) and will have a fire resistance period of at least 120 minutes to allow waste to be isolated and enable the fire to be extinguished within four hours.

3.7.3. Further detail is shown on Drawing Reference CHBC.01.01-04 contained in Appendix I of this FPP.

3.7.4. The firewalls shall be a 200mm thick pre-stressed concrete fire wall as shown in Figure 6. Walls will be 3.5m high, with a freeboard of 1m to prevent fire spreading across the bays.

Figure 6: Firewall detail



3.7.5. The Fire Prevention Plan Quarantine Area will be used in the event of a fire on site and will be kept clear at all times. The proposed location is shown on the Fire Prevention Plan (Drawing Reference CHBC.01.01-04) and can be used to place burning wastes for it to be extinguished.

3.7.6. The Fire Prevention Plan Quarantine Area has a storage capacity of 51m^3 which is 50% of the volume of the largest waste storage area (102m^3/2) and is surrounded by a firewall.

4. POTENTIAL SOURCES OF FIRE RISK

4.1. Common Causes of Fire

4.1.1. As per the EA's FPP online guidance, the following potential sources of fire risk have been identified, based on the hypothetical scenario of the absence of any risk management measures and strategies being employed:

- **Arson:** Industrial Estates and factories can commonly be affected by arson, which is a serious issue as the ensuing fire can easily spread to another unit. This is particularly true of sites where proper fire control measures have not been employed.
- **Plant and equipment:** When not properly maintained, plant and equipment can pose a serious fire hazard. This is particularly true of mechanical equipment, due to the potential for friction to develop between moving parts of the equipment.
- **Electrical Faults (including damaged or exposed electrical cables)**: Faulty electrics and non-compliant electrics are one of the most common causes for fires in the workplace. The main hazards include wiring not meeting the relevant standards, exposed wiring, overloaded circuits and power outlets, extension cords, and static discharge. All of these have the potential to generate a spark, which has the potential to act as an ignition source.
- **Discarded smoking materials**: Smoking materials have the potential to ignite a fire if they come into contact with flammable or combustible materials.
- **Hot works**: Hot works, commonly including welding and torch cutting, have the potential to cause a fire as a result of the sparks and molten material which are generated during their operation. These can become hot, and could ignite a fire if they come into direct contact with flammable/combustible materials.
- **Industrial heaters**: Industrial Heaters can become a potential fire hazard if a fault develops, allowing issues such as over-heating to develop within the device. This hazard is worsened by the heaters being left turned on and unattended.
- **Hot exhausts and engine parts**: The settling of dust on hot exhausts and hot engine parts can cause a fire as a result of the heating up of the materials. This could become a hazard both during operation and post-operation.
- **Ignition sources**: Other ignition source such as naked flames must be kept away from combustible or flammable materials.
- **Batteries:** batteries are safe during normal use but present a risk when over-charged, short-circuited, submerged in water or damaged.
- **Leaks and spillages of oils and fuels**: Oils and fuels are flammable (and potentially explosive), therefore if they leak or are spilled within the site's EP boundary they are liable to present a risk of fire should an ignition source interact with it.
- **Build-up of loose combustible waste, dust and fluff**: Loose combustible waste creates more opportunity for interaction with potential ignition sources, increasing the likelihood of a fire starting.
- **Reaction between Wastes**: If incompatible wastes are stored together, they have the potential to react and potentially lead to a hazardous situation. Common outcomes of the mixing of hazardous wastes include heat generation, flammable gas generation, explosions or fire.
- **Hot loads:** wastes at elevated temperatures or containing contaminants can lead to ignition.
- **Hot and dry weather:** external heating of waste during hot and dry weather can increase the risk of fire occurring.

5. PREVENTION MEASURES

5.1. Table of Measures

5.1.1. Table 3 provides a summary of the preventative measures to be implemented at the Facility in order to reduce the risk posed by the common causes of fire outlined in Section 4 above.

Table 8: Preventative Measures

Cause	Preventive Measure
Waste Pile Sizes	• See Table 2 for volumes of waste stored on site any one time and the associated dimensions of the waste storage areas / waste types. • Markers will be drawn onto bay walls/floors to indicate maximum waste storage areas/ sizes; and • Waste will be stored in designated areas as indicated on the Fire Prevention Plans (Drawing Reference CHBC.01.01-04).
Arson and Vandalism	• The Facility will benefit from a perimeter security fence with a lockable sliding gate; • The access doors and gates are permanently locked out of hours and can only be opened by a limited number of site personnel to restrict unauthorised access; • The Facility will be covered by CCTV for security purposes and monitored 24/7 who shall alert senior management to any unusual activity, such as movement from intruders. Senior Management will also be able to view live footage of the CCTV. Out of hours arrangements are in place for duty managers to attend site immediately if required. The CCTV cameras will survey all areas of the site including entrance gate, buildings and waste operational areas. The exact locations are not shown on the site plans as this document will be made available on the public register and therefore, would be a security concern if exact CCTV locations are marked; • A visitor sign-in system will be in place. In the event of a breach of security at the Facility, the cause will be investigated and appropriate mitigation measures implemented; and • Records will be maintained and will include inspections and maintenance of security fencing and doors, breaches of security, investigations and actions taken. In the event that damage or deterioration is sustained to site infrastructure, repairs will be made by the end of the working day. If this is not possible, suitable measures will be taken to prevent any unauthorised access to the Facility and permanent repairs will be made as soon as practicable.
Storage Duration	• All wastes will be stored on impermeable surfacing; • Maximum waste storage times are detailed in Table 6. The aim is to process the incoming material and arrange for its export off site as soon as practically possible to minimise over-stocking which in-turn minimises the risk of overheating and spontaneous combustion. • All waste will be tracked with date received and will be processed in date order; • Waste will be checked and monitored on a daily basis by the Site Manager; and • There are no seasonal variations in opening times.

Table 6: Preventative Measures (Cont.)

Cause	Preventive Measure
Training	• Training will be provided to all site personnel in relation to how to prevent fires on site, how to identify fire risks and how to spot fires on site. Staff members will undertake a fire awareness course. Refresher training will be provided at regular intervals. • The Site Manager will ensure there is always a sufficient number of staff on site when the site is operational; • All staff and contractors on site will be made aware and understand the contents of the Fire Prevention Plan and the procedures that are in place in the event of a fire on site. This familiarisation training will be undertaken as part of the CC's induction process and staff will be required to provide a signature to confirm and record that they have read and understood the contents of the FPP and associated procedures; and • A fire drill will be held every 6 months to simulate the processes which would be undertaken in the event of a fire or other similar emergency. Findings from the drill will be discussed and an action plan to address any opportunities for improvement will be implemented if necessary; • All employees have a training matrix which details the training required to be undertaken for their particular role and responsibilities. This includes general CC management training, health, safety and environmental (including spill response) training, as well as specific training courses such as WAMITAB and plant and equipment operation (e.g. forklift truck operation). The training matrix for each employee details the frequency required for refresher training to ensure all employees are able to competently undertake their roles.

Employee Awareness	• All employees will complete a fire awareness course.
	• Employees will be made aware of:
	  ◦ the actions to be taken on discovery of fire and on hearing a fire alarm;
	  ◦ the location of manual fire alarm call point and the method of operation;
	  ◦ the location of firefighting equipment and the method of operation;
	  ◦ all escape routes within the building;
	  ◦ evacuation procedures for the Facility and the location of the assembly point.
	• All employees will be aware of the methods of fire prevention as detailed below:
	  ◦ should an employee consider that something or someone presents a fire risk, they will report the matter to the Site Manager;
	  ◦ employees will not allow the accumulation of large amounts of combustible materials around workplaces or escape routes;
	  ◦ employees will not obstruct fire escapes, fire exits or any fire-related equipment; and
	• Smoking is prohibited inside the buildings or in the waste storage areas.

Table 6: Preventative Measures (Cont.)

Cause	Preventive Measure

Monitoring	• No waste will be stored on site longer than 3 months;
	• Site operatives will undergo training on the management of waste, including, recognising hot spots within waste and managing hotspots.
	• The following action will be taken should a hotspot be identified:
	  ◦ the waste will be turned to bring the hotter areas to the surface to cool; and
	  ◦ water sprays will be utilised;
	  ◦ in order to ensure waste within the storage areas is sufficiently rotated and waste storage time is minimised, site operatives will ensure that the oldest materials is always processed and removed and a clear method to record and manage the storage of all waste on site; and
	  ◦ waste will be visually inspected throughout the day and where appropriate findings logged within the Site Diary at the end of each working day as a minimum.

Actions to Limit Self Heating	• Effective stock management limits the likelihood of the self-combustion of materials stored on site. As such, CC will have waste acceptance and stock management procedures which are followed by all employees;
	• Stocks of waste materials will be managed as follows, to minimise self-combustion:
	  ◦ waste volume, height and storage times will be minimised on site and hence stored materials will be rotated whilst held on site; and
	  ◦ where possible and practicable, material is stored in its largest form prior to processing.
	• the following measures will be implemented on site to reduce self-combustion:
	  ◦ separation of materials;
	  ◦ isolation of combustible materials; and
	  ◦ restricting storage times and first in first out principle processing waste at the rear of the bay then moving towards the front.

Plant and Equipment	• Mobile plant is limited to a tractor with bucket.
	• Plant and equipment are located away from combustible materials, including mobile plant when not in use.
	• Only trained operators will be authorised to operate plant and equipment.
	• Site vehicles will be kept to a minimum;
	• Vehicles will be fitted with fire extinguishers.
	• A number of measures will be implemented to prevent fuel and combustible liquids leaking or trailing from site vehicles:
	  ◦ Site vehicles subject to annual servicing and maintenance checks;
	  ◦ Daily checks, such as evidence of obvious leaks, hydraulic fluid levels, operating systems, undertaken on site vehicles prior to use;
	  ◦ A procedure for reporting any faults or maintenance concerns to prevent any foreseeable breakdowns or leaks; and
	  ◦ A procedure for immediate reporting of fuel leaks or spillages

Table 6: Preventative Measures (Cont.)

Cause	Preventive Measure
Plant and Equipment (Cont.)	• In the unlikely event of a fuel leak, spill kits will be deployed to clean up any fuel spillage and prevent escape off-site; • Any delivery vehicles allowed entry onto site must be serviced and MOT road worthy; and • Any evidence of leaks from these vehicles will be recorded and communicated. Further entry to site will be refused until repairs have been made. • Operatives will be required to complete inspection records for all plant on a regular basis. All plant will be operated, maintained and serviced in line with manufacturer's recommendations and instructions. Instruction Manuals for plant and equipment will be held on site; • A service schedule, as well as records of all servicing and maintenance will be held in the site office; • Inspection of plant and equipment will be undertaken on a weekly basis to check for faults and ensure appropriate safeguards are in place; • Training will be provided to staff in the safe operation of plant and equipment relevant to their role; • In the event of a failure on a piece of equipment or plant, the operator will ensure that the equipment is shut off in a safe manner and not used until the equipment can be repaired or replaced. Any repairs will be made within 24 hours and actions will be recorded and held by the maintenance team; and • At the end of the working day, mobile plant will be stored away from any stocks of waste materials.
Infrastructure and Site Inspections	• The site will be continuously inspected by operatives throughout the working day to identify any dust/debris build up or outbreaks of fire; • Monitoring will be recorded within the Site Diary; • Waste will be visually inspected throughout the day and all findings logged in the Site Diary at the end of each working day. All staff will be trained in how to identify fires and fire hazards on site; • As part of the Environmental Management System ("EMS"), daily, weekly and monthly infrastructure inspections will be carried out, including integrity checks of the impermeable site surfacing; • The Facility will undergo daily inspection and cleaning to prevent the build-up of loose combustible waste, dust and fluff. At the end of each working day the Facility will be visually inspected, and cleaning will be undertaken if required. • The Site Manager or nominated deputy will be responsible for ensuring inspections and cleaning are undertaken with any actions required as a result of the inspection recorded in the Site Diary. During the inspection, site vehicles and equipment will be visually checked for defects, fuel leakages and the build-up of dust. The site yard and internal areas will also be visually inspected and will be swept if required.

Table 6: Preventative Measures (Cont.)

Cause	Preventive Measure
Electrical Faults	• Regular safety checks and daily site inspections will be recorded in the Site Diary; • All buildings electrics will be fully certified by a qualified electrician and inspected on an annual basis; and • Annual Portable Appliance Testing ("PAT") testing of any portable electrical appliances will be carried out. • Any electrical panels will be boxed and will be included in the weekly site inspection.
Ignition Sources	• Sources of ignition will be kept at least 6 metres away from combustible and flammable materials. • Smoking is prohibited inside the permitted area and employees must adhere to the strict smoking policy. Smoking is only permitted in designated areas externally, a significant distance from waste storage areas.
Heat and Spark Prevention	• No burning, reactive/reacting or visibly hot (producing steam or heat) loads will be accepted on site. Loads will be visually inspected at the site entrance to ensure compatibility minimising prohibited wastes. In the very unlikely event that a hot load is identified on delivery, it would be rejected and therefore, not accepted onto site. If this is not possible, the waste would be moved to the fire prevention plan quarantine area where it will be spread out and damped down using the on-site water bowser. The material will then be removed from site to a suitably licenced facility or installation. • Vehicles will be turned off when not in use. Consideration will be given to the high-risk time for hot exhausts (one hour after switch off when dust can settle on hot surfaces) and vehicles will be given time to cool down prior to site staff leaving site at the end of each day; and Flammable/combustible materials will be stored in designated areas away from frequent vehicle movements;
Gas Bottles and Other Flammable Items	• Hot works will only be undertaken in relation to maintenance activities. Any hot works/use of cutting tools will be carried out by subcontractors at a safe distance from combustible materials. If this is not possible, sources of combustible material will be covered by a fire blanket or screen and/or damped down. CC will operate a Permit to Work system to control high risk activities, such as hot works. Only a Competent Person, one that is adequately trained and experienced, is authorised to undertake the welding and cutting on site. The control and preventative measures stipulated on the Permit to Work will be rigorously followed by the Competent Person and the other members of the team. The area will be made safe before the work starts and all the prescribed preventative precautions will be taken whilst the work is in progress. • On completion of the hot work, the area will be cleared and checked. The Competent Person or deputy will re-visit the work area, after a suitable period of time. This will be undertaken one hour after the activity has ceased and at the end of the working day. This is known as a fire-watch and ensures no signs of smouldering embers or hot surfaces are evident which could potentially cause a fire. At regular intervals during working day, as well as at the end of the working day, a fire watch will be carried out.

Table 6: Preventative Measures (Cont.)

Cause	Preventive Measure
Fire Detection and Suppression	• The Facility will be manned throughout the working day and the alarm will be raised immediately on identification of any fire on site. • During out of hours, CCTV coverage would enable a fire to be immediately identified and the Duty Manager would be contacted to attend site. • The fire detection system will consist of a battery-operated manual call fire alarm with siren.
Reactions Between Incompatible Materials	• Strict waste acceptance procedures will be implemented to ensure only permitted materials are accepted at the Facility; • All loads are covered by appropriate waste documentation. Employees are under instruction to reject the load if incoming waste or materials have been identified which have not been previously agreed and included within the Permit. If the non-conforming waste cannot be rejected immediately, it will be removed to the dedicated Quarantine Area prior to removal from site within 24 hours.

Reactions Between Incompatible Materials	• The Facility will only receive waste from CC's own activities and any fly tipped waste. It is unlikely that there would be occasion where incompatible wastes would come into contact. However, to ensure that the risk continues to be minimised, CC will:
	  ◦ consider each waste stream that is due to come onto the site, in terms of what it is likely to contain based on a visual inspection;
	  ◦ determine whether there is potential for combustible material within the waste stream and what potential reactions could occur if the material came into contact with other materials on the site in order to evaluate any potential risks to ongoing activities;
	  ◦ store incompatible wastes away from any known incompatible materials;
	  ◦ accept waste into the specified quarantine area when there is any potential issue or where the potential issues may be unknown at the point of material acceptance.
	  ◦ waste streams and appropriate control measures implemented to limit the reaction;
	  ◦ if there is any evidence of chemical reactions with the materials accepted, the materials will be moved to the quarantine area immediately and appropriate control measures implemented to limit the reaction.

Hot and Dry Weather	• Short turnaround times will limit external heating (2 days to less than 3 months storage time for waste); • Use of water to cool stockpiles can also be undertaken during extreme hot and dry weather to reduce the temperature of the waste being stored externally.

6. FIRE MANAGEMENT AND IMPACT REDUCTION

6.1. Emissions

6.1.1. In the event of a fire, the following emissions would be anticipated:

- combustion gases released to atmosphere – these would be relatively short lived and would not cause any significant adverse environmental effects; and
- potentially contaminated firewater/foam on impermeable concrete immediately surrounding the source of the fire where the firewater/foam would be applied.

6.2. Waste Acceptance

6.2.1. Waste is only accepted at the Facility as a result of CC's operations as a Local Authority, this may include waste generated during parks and garden maintenance, street cleaning and the removal for disposal of fly tipped material. CC has a Statutory Duty to undertake such tasks, consequently, the wastes accepted at the site are not from waste producers, but are the results of CC's statutory duties.

6.2.2. All operatives and contractors must report to the Site reception on arrival.

6.2.3. Waste must be inspected to ensure it is suitable to be accepted at the Facility. It is then directed to the specific storage area (see Table 4). Site operators will also check that the storage area has the physical capacity to accept the waste.

6.2.4. The Site Manager is responsible for all waste delivered to the site, to ensure correct storage and segregation.

6.2.5. Reactions between incompatible waste materials are unlikely, as waste received at the site is delivered from known sources; street litter bins, street cleansing residues, parks green waste or fly tipped items. However, the fly tipped waste has the potential to contain a mix of incompatible materials. All fly tipped wastes arriving at the Facility, are where possible inspected by an operative as they are being deposited within the designated storage area. Any identified hazardous waste that requires separate storage will be removed to the appropriate isolation area within the Waste Transfer Area.

6.2.6. If it is unclear if material received is hazardous or non-hazardous, CC operatives will apply the Precautionary Principal and will class the waste as hazardous. No on-site testing of materials is undertaken.

6.2.7. All waste received on site is deposited in the appropriate bay within the EP Boundary area.

6.2.8. Should any wastes be inadvertently accepted which are not permitted by the Environmental Permit, or are particularly odorous, the waste will be moved to the quarantine area for removal off site to a suitably permitted facility/installation by a suitably licensed carrier.

6.3. Site Infrastructure

6.3.1. The Facility consists of external waste storage areas.

6.3.2. The Site infrastructure is illustrated in the Site Layout Plan Drawing (Drawing Reference CHBC.01.01-02) which is contained in Appendix I of this FPP.

6.3.3. All waste will be stored on impermeable concrete surfacing.

6.4. Drainage

6.4.1. The Facility benefits from impermeable concrete surfacing throughout, therefore, no downward migration of potentially contaminated firewater to either land or groundwater will occur.

6.4.2. All drainage (including clean surface water runoff) from within the permitted boundary will be directed to the foul sewer as shown on Drawing CHBC.01.01-05. A channel drain bounds the south-west boundary of the Facility to capture all surface water runoff, and direct it to the foul drainage system. It will then pass through a full retention separator prior to discharging to the mains sewer.

6.4.3. A penstock valve is located just prior to the mains connection, outside of the permitted boundary but within the wider site maintained, owned and operated by CC. This valve will be closed off in the even of a fire.

6.4.4. Any potentially polluting spillages will be subject to the robust spill emergency response procedure. Spill kits including absorbent granules and pads will be used to contain and capture any spillage. The locations of the site spill kits are illustrated on Drawing CHBC.01.01-04. The spill kit will be checked every 3 months by site personnel and will be replaced as per the manufacturer's defined expiration dates if provided or alternatively, when on visual inspection, it is deemed necessary. All staff will be trained in the spill emergency response procedure.

6.4.5. Spillage containment equipment storage areas are located such that the materials can be retrieved quickly.

6.5. Containing and Mitigating Fires

6.5.1. Portable fire extinguishers compliant with BS 53006 will be provided in designated points on site and within all site mobile plant.

6.5.2. Nominated personnel will be trained in the use of such equipment.

6.5.3. The fire extinguishers will be serviced as part of an annual inspection contract. All extinguishers will also be checked as part of the site inspection programme.

6.5.4. The locations of the firefighting equipment are shown on the Fire Prevention and Mitigation Plan (Drawing Reference CHBC.01.01-04).

6.5.5. An up-to-date site plan will be on display and will detail:

- the site layout;
- waste storage arrangements;
- firefighting equipment locations;
- fire detection equipment; and
- personal protective equipment ("PPE") and firewater containment equipment.

6.6. Site Procedures During a Fire Incident

6.6.1. The following procedures will be in place which will be followed in the event of a major fire onsite:

- Senior CC personnel/ Head of Streetscene and Waste, Site Manager, FRS and adjacent businesses will be notified immediately, the EA will be notified as soon as practicable;
- the Site Manager and Fire Marshalls shall co-ordinate the fire emergency response.
- the burning area will be isolated and attempts will be made to extinguish the fire utilising the onsite fire extinguishers and manual water sprays if safe to do so;
- the storage container will be moved to an appropriate area within the permitted area which will be dependent on the location of the fire at the Facility. The storage container will be moved as soon as reasonably practicable to prevent the fire from spreading using site mobile plant;
- the Site Manager or nominated deputy will divert incoming wastes to alternative sites during a fire;
- firewater will be contained either within the building or externally as the Facility benefits from impermeable kerbing and sleeping policeman (see Section 6.9). Any firewater held will be tested before removal offsite to a suitably licensed Facility once the fire has been extinguished.
- if possible, waste that is unburnt will be dampened down to prevent the fire from spreading further and any contaminated runoff will be held within the temporary storage tanks/areas;
- if possible, unburnt material will be separated from the fire using site plant; and
- depending on the scale of the fire, the site and adjacent business premises will be evacuated.

6.6.2. CC will not continue to accept waste if there is an active fire on site. Waste will be diverted to a nearby suitably licensed site and, if possible, waste producers will be notified in advance to prevent delivery vehicles arriving on site. A CC representative will be stationed at the entrance on the main road to divert any delivery vehicles which were on route when the fire began.

6.6.3. Should fire compromise the stability or integrity of the building, all personnel on site will be immediately evacuated and the FRS will be contacted.

6.7. Notifying Residents and Businesses

6.7.1. A Site Information and Key Contacts List is provided in Appendix II of this document which provides the contact details of internal and external contacts to notify in the unlikely event of a fire on site. Out of hours telephone contact numbers are also provided. It is the responsibility of the Senior CC personnel/ Head of Streetscene and Waste and Site Manager to undertake the necessary liaison with the relevant stakeholders and local community.

6.7.2. An emergency pack including a copy of the Fire Prevention and Mitigation Plan will be located at the main entrance enabling the FRS to quickly access the information required should the site be unattended out of hours. As previously mentioned, a copy of the FPP will also be provided to the FRS for their records.

6.8. Water Supply

6.8.1. Lancashire FRS has confirmed that water to actively fight a fire will be available from 4 fire hydrants located on and near Ackhurst Road. All confirm to BS 750, are all routinely inspected on a 1-year routine inspection. They are not routinely flow tested, however on this size of main they would expect to produce a minimum of 1,200l/m (greater than the 677lmin required).

6.8.2. The email correspondence is provided in Appendix III of this document.

6.8.3. The Fire and Rescue Services Act 2004 states that under Section 38 Duty to Secure Water Supply etc., the FRS authority must take all reasonable measures for securing that an adequate supply of water will be available for the authority's use in the event of a fire and that the FRS authority may use any suitable supply of water for the purposes of extinguishing a fire or protecting life or property in the event of a fire (but must pay reasonable compensation for the water).

6.8.4. The Facility is accessed from Ackhurst Road and the main access points are approximately 7m wide and no height restriction providing adequate space for the FRS appliances (water tender or high reach vehicle).

6.8.5. The emergency service route is displayed on the Fire Prevention and Mitigation Plan Drawing CHBC.01.01-04 contained in Appendix I.

6.8.6. The water supply requirement calculations are provided in Table 7. It is clearly shown that there is enough water available for firefighting to take place and to manage a reasonable worst-case scenario.

Table 9: Water Supply Requirement Calculations

Maximum pile volume	Water supply needed	Overall water supply needed over 3 hours	Total water available onsite
102m^3	Pile volume x 6.67 **680.34 litres/minute**	Water supply per minute x 180 **122,461**	Fire hydrant flow rate available to site: **1,200 litres/minute**

6.9. Firewater Containment Measures and Available Capacity

6.9.1. Any potentially contaminated firewater runoff will be prevented from reaching sensitive receptors and causing pollution to the environment as the penstock valve will be closed contain all firewater on site.

6.9.2. All waste will be stored within the EP boundary, all areas of which benefit from impermeable surfacing, therefore, no downward migration of potentially contaminated firewater to either land or groundwater will occur.

6.9.3. The Facility will benefit from impermeable kerbing and kerbing to create a firewater containment bunded area with a capacity of 127m^3 to contain the 122m^3 of firewater required over 3 hours as calculated for the largest external waste pile proposed (102m^3).

6.9.4. All potentially contaminated firewater will remain in the containment area until contamination testing has been carried out and the firewater can be removed off-site to an appropriately licenced Facility or Installation.

6.9.5. All site personnel will be trained in the use of firewater containment measures. The FPP exercise drills will include differing fire scenarios.

6.10. Fire Incident Recording

6.10.1. After a fire event, the following procedure will be implemented depending on the severity of the fire:

- small and containable fire that can be dealt with in-house using suitably trained staff and firefighting equipment located on site - the fire will be recorded in the site log, including the causes of the fire and methods used to manage the fire.
- *larger fire that requires the presence of the FRS* - if the site operatives have been told to evacuate or cease operations by the EA and/or FRS, the site personnel will wait until told it is safe to re-enter the site. The fire will be recorded in the site log, including the causes of the fire and methods used to manage the fire.

6.10.2. The Head of Streetscene and Waste and the Site Manager will liaise with the EA to determine a plan of action to introduce waste operations at the Facility and the timescales involved to achieve this.

6.11. Fire Damage Extent, Clearing and Decontamination

6.11.1. The extent of the fire damage will be assessed by the Head of Streetscene and Waste and the Site Manager and depending on the scale of the fire; the FRS may also be present.

6.11.2. Should damage be determined to be sufficient to prevent the site from being able to accepted and store waste, CC will cease accepting waste and will divert to a suitably permitted site.

6.11.3. Depending on the scale of the fire, smoke particles may have been transported and deposited onto various surfaces on adjacent buildings. The thermal degradation of certain material can cause corrosive deposits to be omitted within the smoke particulates. It is therefore important that such deposits are effectively neutralised.

6.11.4. A specialist company will be commissioned to undertake post fire clean up and smoke damage decontamination.

6.11.5. The structural stability of fire damaged infrastructure will be assessed and approved by a professional prior to re-entry onto the site.

6.11.6. The FRS may have also isolated gas, electric and water supplies. These will be reconnected by a registered gas engineer, electrician or plumber. The integrity and functionality of the drainage system will also be assessed and approved by a professional prior to recommencement of operation.

6.12. Fire Damaged Waste

6.12.1. A visual assessment will be carried out by the Site Manager to determine how waste can be dealt with on site. Wherever possible, unburnt wastes will be separated from fire damaged areas of waste. If waste has become mixed, then the waste will be removed from site to a suitably permitted facility.

6.12.2. Any quarantined waste, waiting for removal from site, will be stored in a designated area to prevent the contamination of unburnt wastes on the site, as illustrated on the Fire Prevention Plan (CHBC.01.01– 04).

6.12.3. Burnt waste will be removed off site within 24 hours. The Quarantine Area will benefit from firewalls to aid separation and management of wastes during an incident. Site staff will be trained in how to safely move quarantined waste to this area.

6.13. Recommencing Operations

6.13.1. An assessment will be carried out to determine whether further mitigation measures could have prevented the fire. Any outcomes to be implemented on site will be incorporated within this Fire Prevention Plan and the EMS as required.

6.13.2. Once this work has been undertaken, the Head of Streetscene and Waste and the Site Manager will visit the Site to ensure all of the above have been undertaken and CC can recommence operations. The EA will be kept informed throughout this process.

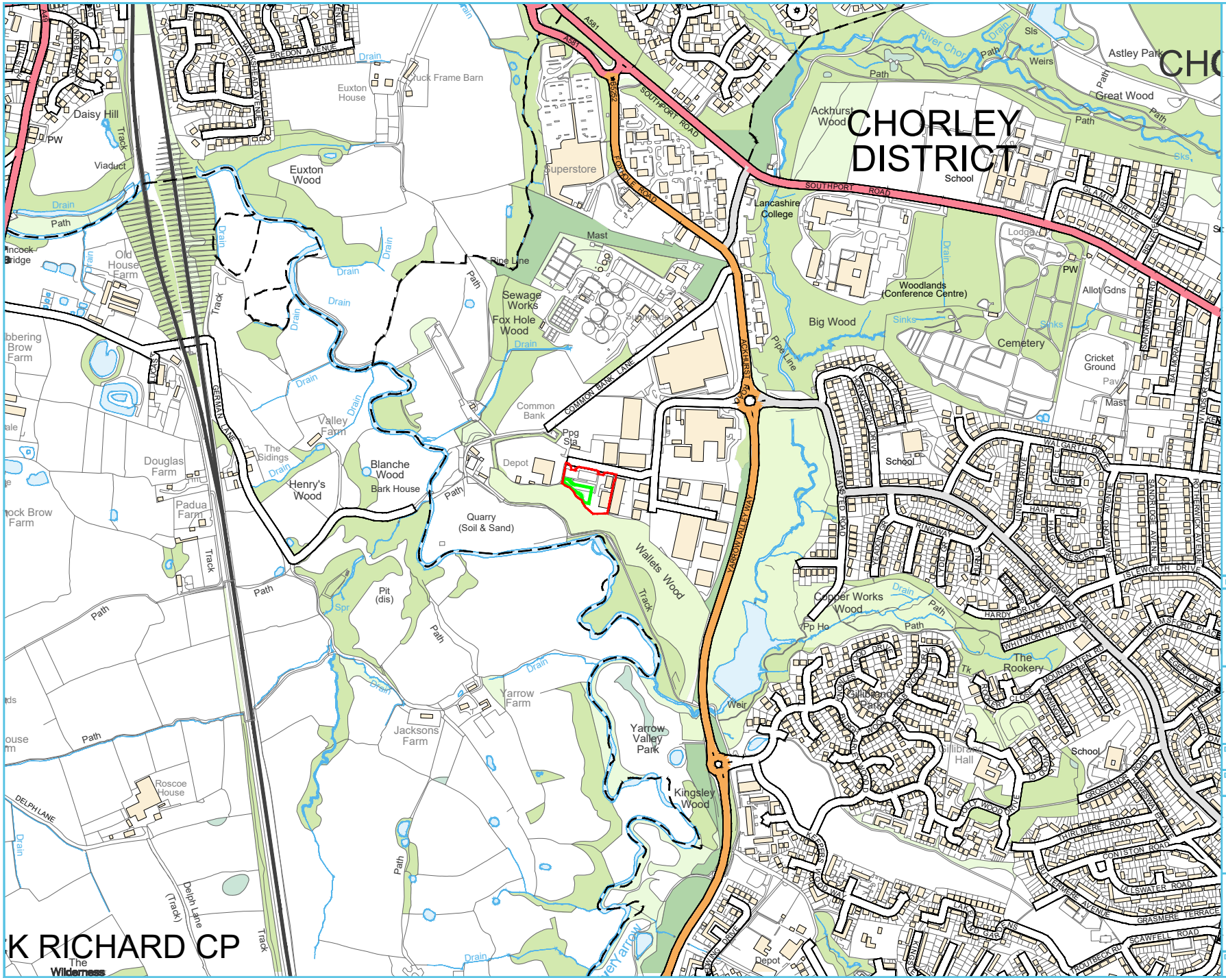
7. CLOSURE

7.1.1. This FPP is considered to be a 'working' document that will be reviewed and updated annually or as required should any of the following occur:

- a fire on site;
- a change or review of legislation;
- if the site is instructed to do so by the EA; or
- a change to the contacts detailed in Appendix II.

7.1.2. It will be the responsibility of the Site Manager to maintain this FPP and to ensure it is adhered to in the event of a fire on site. This includes the measures to follow as outlined in the plan.

APPENDIX I
DRAWING



N

LEGEND

- SITE BOUNDARY
- ENVIRONMENTAL PERMIT BOUNDARY

Rev	Date	Details	Chkd

Environmental Compliance Ltd.
Unit G1
The Willowford
Main Avenue
Treforest Industrial Estate
Pontypridd.
CF37 5BF

Tel: 01443 801215
Email: info@ecl.world
Web: www.ecl.world

Client

Chorley Council

Date	Scale	Drawn by	Checked by	Approved by
19/12/2024	1:10K @ A4	GTB	SC	SC

Drawing Status

WORKING DRAWING

Project Title

ENVIRONMENTAL PERMIT APPLICATION
CHORLEY COUNCIL
ACKHURST BUSINESS PARK
ACKHURST ROAD
CHORLEY. PR7 1NH

Drawing Title

SITE LOCATION PLAN

Drawing Number	Rev
CHBC.01.01-01	-

0m 10m 20m 30m 40m 50m

N

BAYS

G2	HAZARDOUS WASTE COVERED MESH COMPOUND 6.25m(W) x 6.5m(D) X 2.5m(H)
G3	WEEE SKIP 12 YARD SKIP 3.7m(W) x 1.75m(L) X 1.7m(H)
G4	STREET CLEANING RESIDUE CONCRETE BAY 6.15m(W) x 6.5m(D) X 2.5m(H)
G5	GREEN WASTE CONCRETE BAY 3.5m(W) x 6.5m(D) X 2.5m(H)
G6	GENERAL WASTE CONCRETE BAY 4.5m(W) x 6.5m(D) X 2.5m(H)
G7	GENERAL WASTE 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G8	STREET CLEANING RESIDUE 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G9	GREEN WASTE 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G10	SCRAP METAL 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G17	DOMESTIC WASTE CONTAINING PERSISTENT ORGANIC POLLUTANTS 35 YARD CONTAINER 2.44m(W) x 6.09m(L) X 2.1m(H)
G18	TYRES CONCRETE BAY 3.2m(W) x 3.125m(D) X 2.5m(H)
G24	NON CONFORMING WASTE / QUARANTINE AREA / HOT LOADS CONCRETE BAY 4.5m(W) x 4.5m(D) X 2.5m(H)
H2	VEHICLE WASH, WATER RUN OFF TO GO THROUGH INTERCEPTORS, SUMP WASTE COLLECTOR REQUIRED.
H3	VEHICLE WATER FILL

LEGEND

- SITE BOUNDARY
- ENVIRONMENTAL PERMIT BOUNDARY
- BAY FIRE WALLS
- BUILDINGS

SURFACING

CARRIAGEWAY CONSTRUCTION

40mm	SURFACE COURSE SMA 10 SURF 40/60
60mm	BINDER COURSE AC20 HDM DENSE BIN 40/60
120mm	BASE COURSE AC32 DENSE BASE 40/60
230mm	TYPE 1 SUB BASE (FOR FROST SUSCEPTIBILITY)

CAR PARK CONSTRUCTION

40mm	SURFACE COURSE SMA 10 SURF 40/60
90mm	BINDER COURSE AC20 HDM DENSE BIN 40/60
320mm	TYPE 1 SUB BASE (FOR FROST SUSCEPTIBILITY)

FOOTWAY CONSTRUCTION

20mm	SURFACE COURSE AC6 CLOSE SURF 100/150
50mm	BINDER COURSE AC20 DENSE BIN 160/220 REC
150mm	TYPE 1 SUB BASE

CONCRETE HARDSTANDING

200mm	THICK GRADE C32/40 AIR ENTRAINED CONCRETE SLAB WITH 1 LAYER A252 FABRIC (75mm BOTTOM COVER, 400mm LAPS), ON 1000 GAUGE POLYTHENE SLIP MEMBRANE,
250mm	TYPE 1 SUB BASE

SOFT LANDSCAPING

150mm	TOPSOIL AND SEED AS REQUIRED

EXISTING SEWER EASEMENT

Rev	Date	Details	Chkd

Environmental Compliance Ltd.
Unit G1
The Willowford
Main Avenue
Treforest Industrial Estate
Pontypridd.
CF37 5BF
Tel: 01443 801215
Email: info@ecl.world
Web: www.ecl.world

Client: Chorley Council

Date	Scale	Drawn by	Checked by	Approved by
19/12/2024	1:500 @ A3	GTB	SC	SC

Drawing Status: WORKING DRAWING

Project Title:
ENVIRONMENTAL PERMIT APPLICATION
CHORLEY COUNCIL
ACKHURST BUSINESS PARK
ACKHURST ROAD
CHORLEY. PR7 1NH

Drawing Title: SITE LAYOUT PLAN

Drawing Number	Rev
CHBC.01.01-02	-

LEGEND

- SITE BOUNDARY
- ENVIRONMENTAL PERMIT BOUNDARY
- 1000m OFFSET BOUNDARY
- EDUCATIONAL BUILDINGS
- COMMUNITY / MEDICAL CENTRES
- DOMESTIC DWELLINGS
- COMMERCIAL / INDUSTRIAL PREMISES
- GRASS / SHRUB
- TREES / WOODS
- ROAD FEATURES
- RAILWAY FEATURES
- SURFACE WATER FEATURES

Rev	Date	Details	Chkd

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CF37 5BF

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Email: info@ecl.world
Web: www.ecl.world

Client: Chorley Council

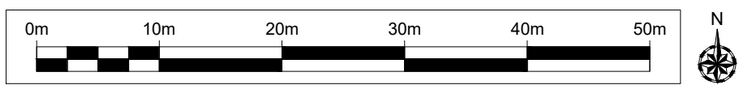
Date	Scale	Drawn by	Checked by	Approved by
19/12/2024	1:7.5K @ A3	GTB	SC	SC

Drawing Status: WORKING DRAWING

Project Title:
ENVIRONMENTAL PERMIT APPLICATION
CHORLEY COUNCIL
ACKHURST BUSINESS PARK
ACKHURST ROAD
CHORLEY. PR7 1NH

Drawing Title:
SENSITIVE RECEPTOR PLAN

Drawing Number	Rev
CHBC.01.01-03	-



BAYS

G2	HAZARDOUS WASTE COVERED MESH COMPOUND 6.25m(W) x 6.5m(D) X 2.5m(H)
G3	WEEE SKIP 12 YARD SKIP 3.7m(W) x 1.75m(L) X 1.7m(H)
G4	STREET CLEANING RESIDUE CONCRETE BAY 6.15m(W) x 6.5m(D) X 2.5m(H)
G5	GREEN WASTE CONCRETE BAY 3.5m(W) x 6.5m(D) X 2.5m(H)
G6	GENERAL WASTE CONCRETE BAY 4.5m(W) x 6.5m(D) X 2.5m(H)
G7	GENERAL WASTE 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G8	STREET CLEANING RESIDUE 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G9	GREEN WASTE 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G10	SCRAP METAL 35 YARD SKIP 2.44m(W) x 6.1m(L) X 2.39m(H)
G17	DOMESTIC WASTE CONTAINING PERSISTENT ORGANIC POLLUTANTS 35 YARD CONTAINER 2.44m(W) x 6.09m(L) X 2.1m(H)
G18	TYRES CONCRETE BAY 3.2m(W) x 3.125m(D) X 2.5m(H)
G24	NON CONFORMING WASTE / QUARANTINE AREA / HOT LOADS CONCRETE BAY 4.5m(W) x 4.5m(D) X 2.5m(H)
H2	VEHICLE WASH, WATER RUN OFF TO GO THROUGH INTERCEPTORS, SUMP WASTE COLLECTOR REQUIRED.
H3	VEHICLE WATER FILL

LEGEND

- SITE BOUNDARY
- ENVIRONMENTAL PERMIT BOUNDARY
- BAY FIRE WALLS
- BUILDINGS
- EMERGENCY VEHICLE ACCESS
- FIRE PREVENTION PLAN EMERGENCY PACK
- FIRE HOSE
- SPILL KIT
- FIRE EXTINGUISHER
- FIRE HYDRANT

Rev	Date	Details	Chkd

Environmental Compliance Ltd.
Unit G1
The Willowford
Main Avenue
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Pontypridd.
CF37 5BF
Tel: 01443 801215
Email: info@ecl.world
Web: www.ecl.world

Client: Chorley Council

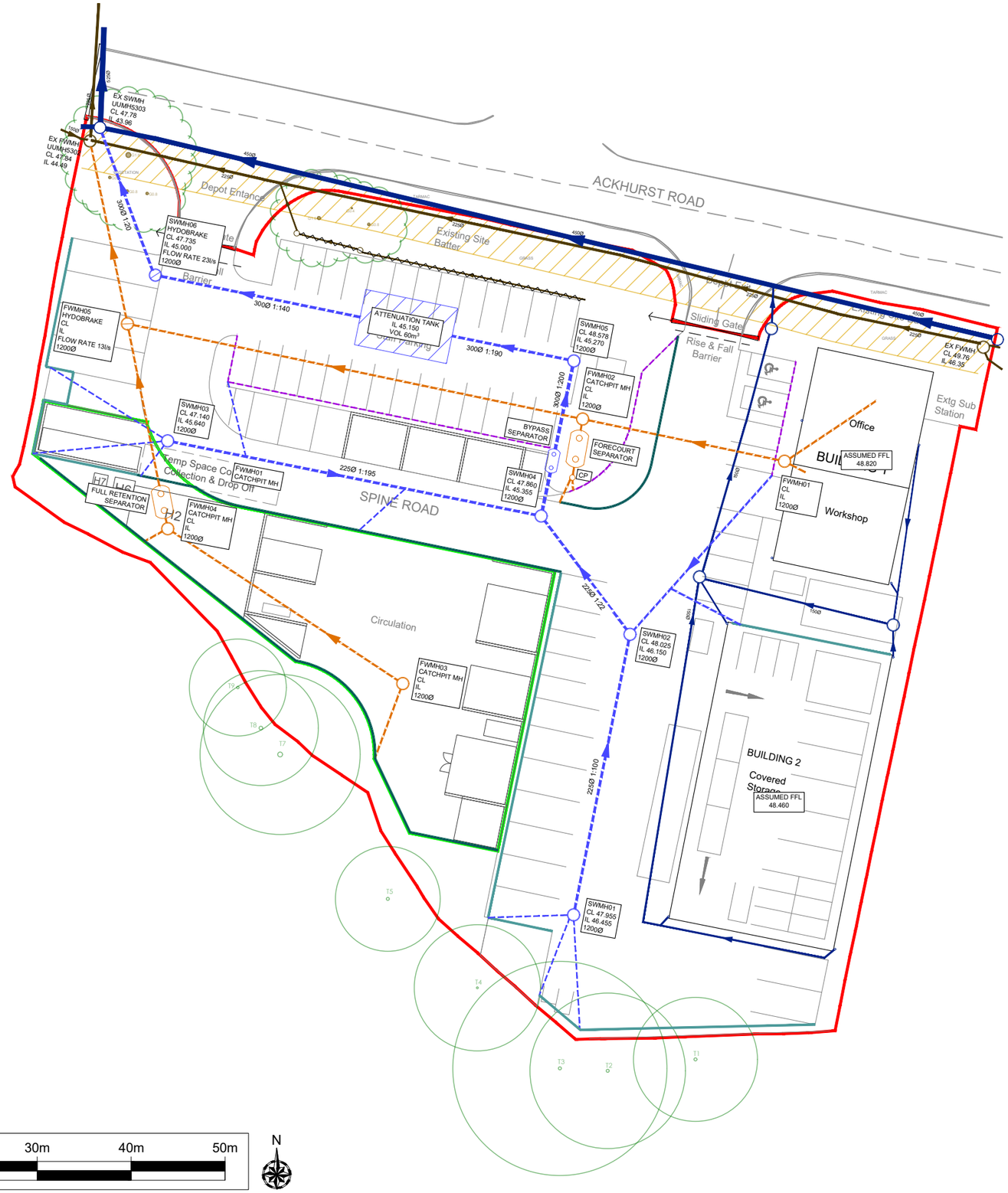
Date	Scale	Drawn by	Checked by	Approved by
06/01/2025	1:500 @ A3	GTB	SC	SC

Drawing Status: WORKING DRAWING

Project Title:
ENVIRONMENTAL PERMIT APPLICATION
CHORLEY COUNCIL
ACKHURST BUSINESS PARK
ACKHURST ROAD
CHORLEY. PR7 1NH

Drawing Title:
FIRE PREVENTION AND MITIGATION PLAN

Drawing Number	Rev
CHBC.01.01-04	-



0m 10m 20m 30m 40m 50m

N

LEGEND

- SITE BOUNDARY
- ENVIRONMENTAL PERMIT BOUNDARY
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL WATER DRAINAGE
- PROPOSED KERB DRAIN
- PROPOSED CHANNEL DRAIN
- PROPOSED FILTER DRAIN
- EXISTING SURFACE WATER DRAINAGE (ASSUMED SURFACE WATER SEWER)
- EXISTING FOUL WATER DRAINAGE (ASSUMED FOUL SEWER)
- ABANDONED FOUL WATER DRAINAGE
- EXISTING SEWER EASEMENT

Rev	Date	Details	Chkd

Environmental Compliance Ltd.
Unit G1
The Willowford
Main Avenue
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Pontypridd.
CF37 5BF
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Client: Chorley Council

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19/12/2024	1:500 @ A3	GTB	SC	SC

Drawing Status: WORKING DRAWING

Project Title:
ENVIRONMENTAL PERMIT APPLICATION
CHORLEY COUNCIL
ACKHURST BUSINESS PARK
ACKHURST ROAD
CHORLEY. PR7 1NH

Drawing Title:
DRAINAGE ARRANGEMENTS PLAN

Drawing Number	Rev
CHBC.01.01-05	-

APPENDIX II

SITE INFORMATION AND KEY CONTACTS LIST

Site Address	ACKHURST WASTE TRANSFER STATION, ACKHURST ROAD, CHORLEY, PRESTON , PR7 1NH		
Site Operator	**CHORLEY BOROUGH COUNCIL**		
Contact	**Description**	**Office Hours**	**Out of Hours**
Internal			
Chris Walmsley	Head of Streetscene and Waste	07970218820	
Doug Cridland	Waste Services Manager	07595848331	
Steve Ainscough	Technically Competent Manager	07791226691	
External – Emergency Services			
Lancashire Fire and Rescue Service	**Fire - Emergency**	**999**	
	Fire - Non-emergency	01772 862545	
Medical Assistance	**Ambulance Service (emergency only)**	**999**	
	Non-Emergency	111	
Police	**Police - Emergency**	**999**	
	Police - Non-Emergency	101	
External - Regulator			
Environment Agency	Environmental Regulator 24 Hour Hotline	0800 80 70 60	
	Site Inspector	TBC	-
Health and Safety Executive	Health and Safety Regulator Incident Hotline (Fatal or Major Injury)	0345 300 9923	0151 922 9235
External – Key Contacts and Services			
United Utilities	Water Supplier	0345 672 3723	
	Sewerage Provider		
National Grid Electricity Distribution	UK Power Network - Energy	0800 6783 105	105
Neighbouring Sites	Chorley Volvo Centre	01257460460	
	Regency Hair Supplies	01257263943	
	Ruttle Plant Hire	01257266511	
	AK Roof Windows	01257793349	
	Clayton Brook Garages	01257262966	
	Northwest Waterjet	01257650050	
	NCC Limited	01257266696	
	Thomas Hardie Vehicle Solution	01257492820	
	Construction Techniques	01617259396	
	Taylor Transformers	01257271273	
	YCFS Garage	01257271273	

APPENDIX III
FRS - FIRE HYDRANT CORRESPONDENCE

LANCASHIRE FIRE AND RESCUE SERVICE **FORM HYD1**
PROVISION OF HYDRANT INFORMATION

By completing this form the requester agrees to the following terms:

- The hydrant information provided by Lancashire Fire and Rescue Service (LFRS) will only be used for the creation of an Environmental Permit, and any relevant Risk Assessments.
- The hydrant information will only be provided to the consultant's client (as required) and shared with the Environment Agency as part of this process.
- The hydrant information must not be shared with any other parties and must not be released into the public domain (in contravention of Section 24 of the Freedom of Information Act).
- The hydrant information remains the property of LFRS.

Part 1 – Details for the requesting Consultant and their Client (to be completed by the requester).

Consultant: Environmental Compliance Limited
Contact Name: Sarah Cann Company Name: ECL Address: Unit G1, Main Avenue, Treforest Industrial Estate, Pontypridd, CF37 5BF, Contact's Email Address: s.cann@ecl.world Contact's Telephone Number: 07799 692750

Details of the site that hydrant information is required for:
Company Name: Chorley Council Address: Ackhurst Road, Chorley, Preston, PR7 1NH - site NGR SD 56702 17308

Information required: *Please detail below the information required, please note that LFRS might not hold all of the requested information.*
• NGR of the nearest fire hydrant to the site. • confirmation that the fire hydrant conforms to British Standard 750 or equivalent • confirmation that the fire hydrant is regularly serviced and maintained by the FRS or other suitably qualified provider • fire hydrant water flow rate.

Part 2 – Hydrant information relating to the above site

Hydrant Information provided by LFRS:

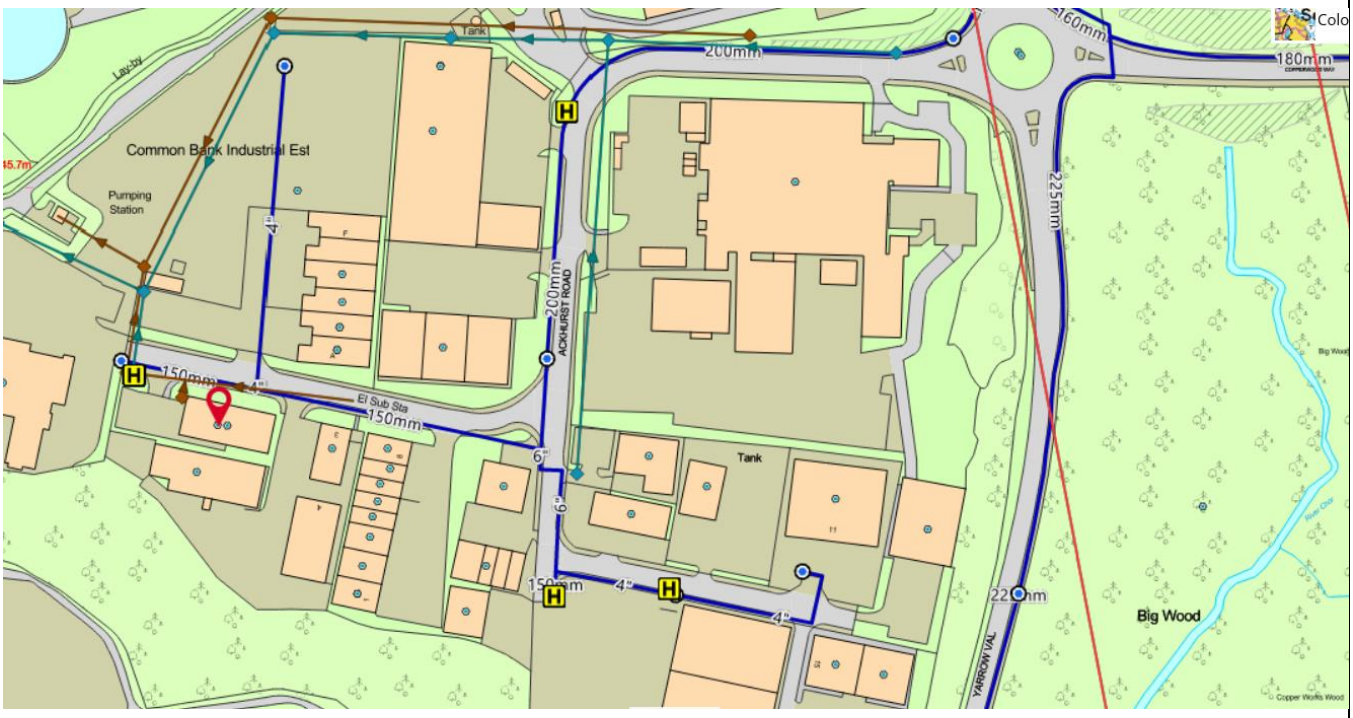
There are 4 fire hydrants on and near Ackhurst Road all confirm to BS 750, are all routinely inspected on a 1-year routine inspection. They are not routinely flow tested, however on this size of main they would expect to produce a minimum of 1200lpm.

On the bend outside Hydes
356727.00,417455.00

Outside FED EX
356722.00,417264.00

Outside SAL Abrasives
356767.00,417267.00

Outside Ruttle Plant Hire
356556.00,417351.00



Part 3 – Signatures

Requesting Consultant:
By signing this form you are agreeing to the terms laid out on page 1of this form.

Name: Sarah Cann

Date: 11.11.2024

Signature: 

Please return this form to dp&foi@lancsfirerescue.org.uk

Signed on behalf of LFRS:

Name:

Date:

Signature: