



CSG.C2.5e

CSG RECOVERY

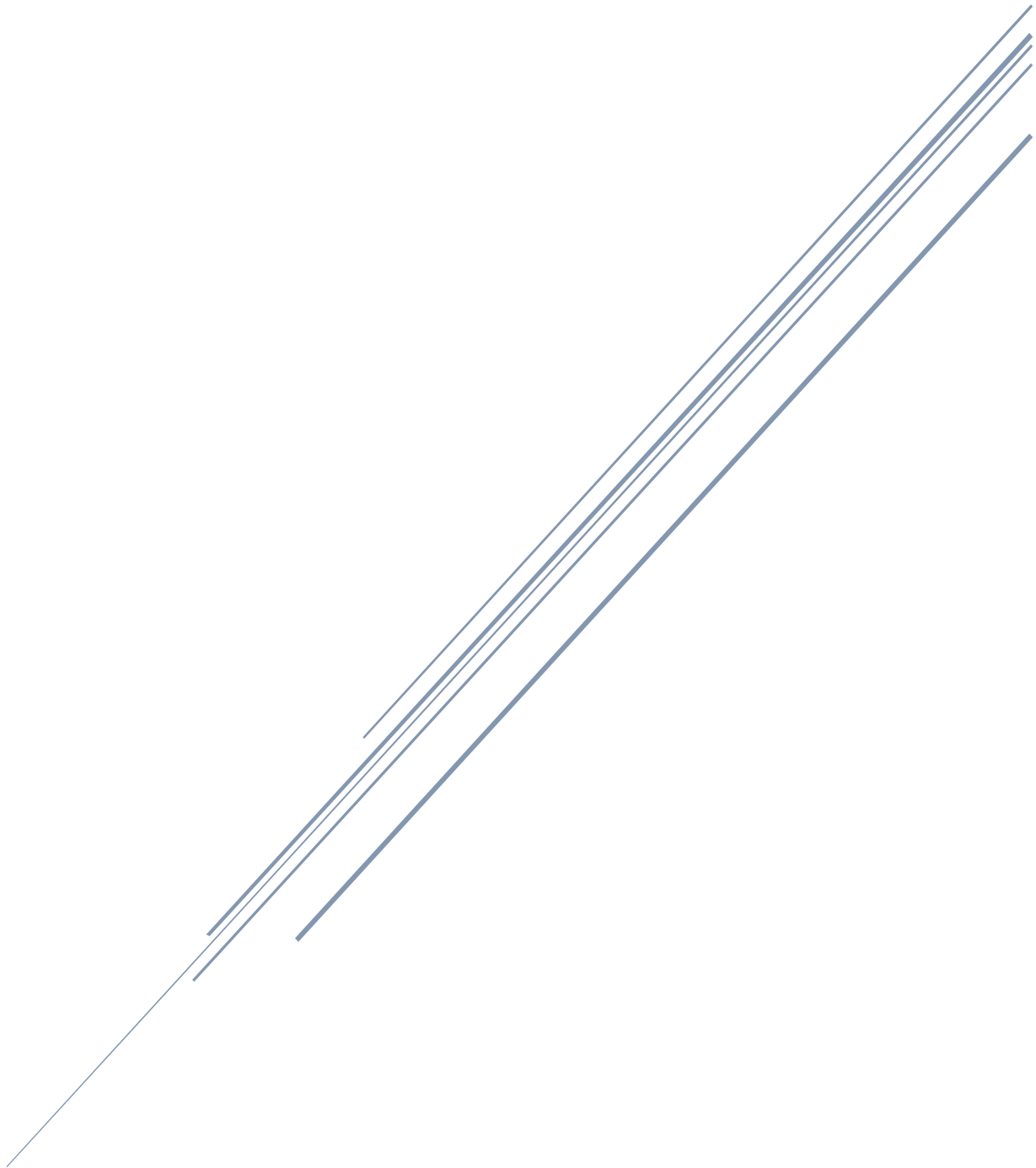
Fire Prevention Plan

STANLEY STREET BLACKBURN

BB1 3BW

PLAN VERSION :- 02

12/04/2021



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Site overview and objectives of this plan

This plan is designed to inform and provide information relating to the site layout, activities carried out, safety measures and controls in place to prevent and minimise the risk regarding an incident which involves an outbreak of Fire at the site.

The site (refer to attached plan's) is fronted by a main road and is adjacent to three industrial units at each side and at the rear of the site and the site perimeter is bounded by a wire fence on the northern side, a stone wall on the south perimeter and a stone wall with a substantial solid metal fence on the eastern edge.

Main access to the site is via the corner of Stanley Street and Gorse street. There is a pedestrian gate with emergency access to the back of the offices also onto Gorse street.

The site is served by an oil/water interceptor which all site drains run into and there are two warehouse type buildings and a small office block.

There are fire and call points provided in all buildings also outside (refer to site plan) and smoke/heat detectors as well as two thermal cameras in building A1.

CCTV is present on site and is monitored constantly from an external location which also includes the thermal cameras. PSM contact tel ; **01942 366291**

Technical Operations Manager **07500843339**

In the event of the Fire Alarm being raised the assembly point is adjacent to the office block unless circumstances dictate that for reasons of safety this is not practicable then this must be outside the boundary of the site.

Combustible materials on site: -

The intended use of the site will be predominantly be for the transfer, checking, bulking of the following waste types.

Oil contaminated Solids (Rags, Filters, and Booms etc.)

WEEE

Dental Amalgam

X-ray film

Photographic waste

Gypsum

Batteries

Pharmaceuticals & Medicines (Hazardous & Non-Hazardous)

Clinical Waste

Flammable Waste (Paint, Glue, Resin & Related material)

The storage arrangement for these waste streams can be found on the site operational plan

Other combustible materials

As well as the above listed items there will also combustible material that is not waste related. These items include:

Empty IBC's
Pallets
Empty Drums

The Aerosol storage container (A11) is vented both top and bottom and is positioned 10m away from the nearest building with self-closing doors.

Fuel Tanks – There is a diesel tank has been installed at the location marked BTS on the Site Operational Plan. This consists of two internal storage tanks with a capacity of 5,000 litres red diesel and 17,000 litres white diesel with a fully sealed outer bund tank, which incorporates 110% volume of the inner tanks. The maximum fuel storage determined for these tanks is 1500L which has been determined in risk assessment CSG/REC/05. The larger, outer white diesel tank is not currently in use.

Using this fire prevention plan

This plan will be available on site in a designated area in the offices. There is also a copy stored on our server allowing all staff over the various sites to be able to access this report.

Regular fire alarm testing takes place weekly with fire alarm response times being carried out on regular interval to check the staff knowledge of the plan and the correct procedures to follow in the case of an actual fire. Fire drills will be conducted at least once per annum.

Activities at the site

The sites intended use will predominantly be for the transfer, checking, bulking, consolidation of the following waste types; -

Oil contaminated Solids (Rags, Filters, and Booms etc.)
WEEE
Dental Amalgam
X-ray film
Photographic waste
Gypsum
Batteries
Pharmaceuticals & Medicines (Hazardous & Non-Hazardous)
Clinical Waste
Flammable Waste (Paint, Glue, Resin & Related Material)

The site plan shows where each of these waste streams are stored at any one time. Regular training is given to staff members regards the hazards against materials on site.



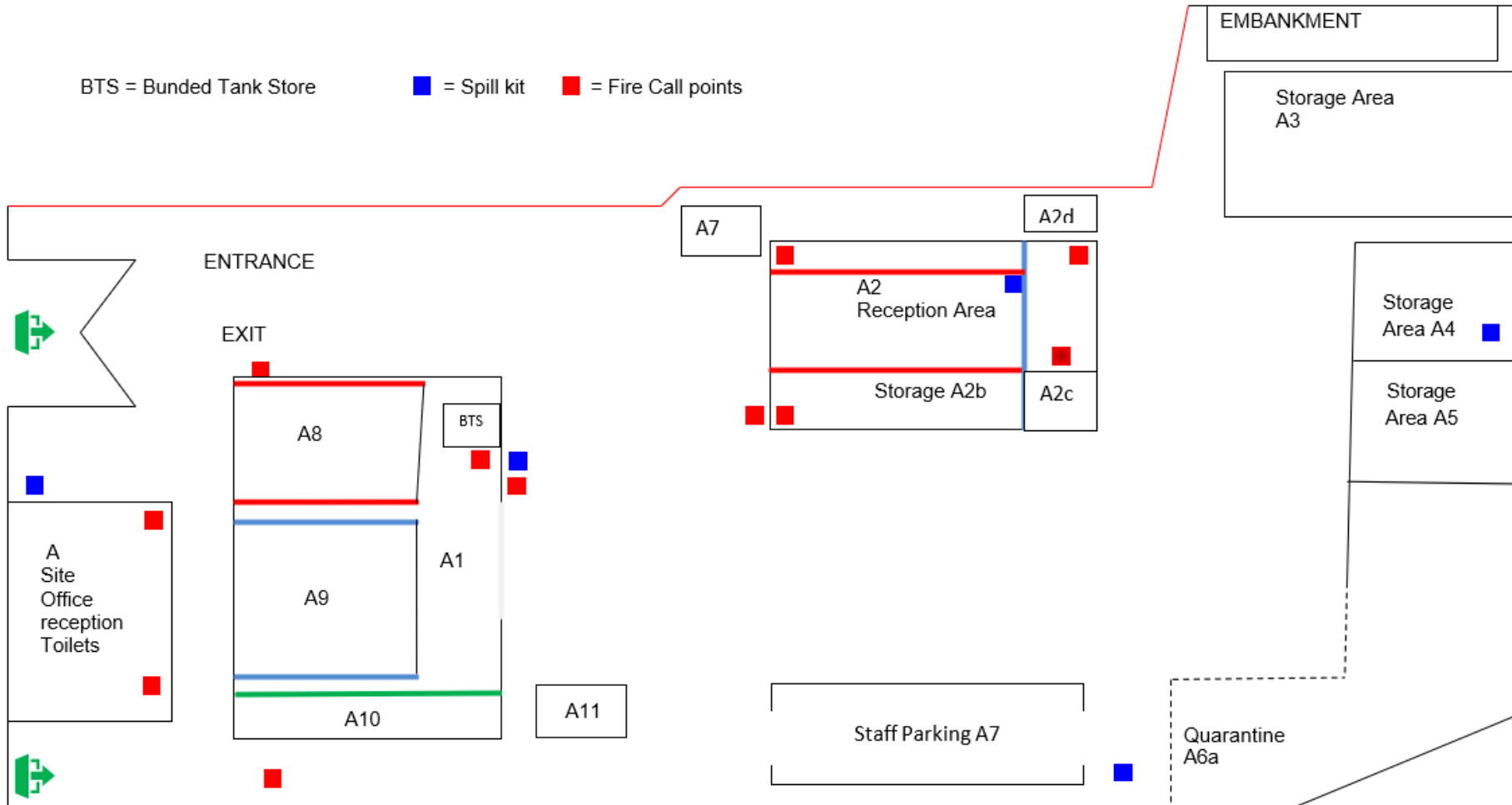
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STANLEY STREET TRANSFER STATION SITE OPERATIONAL PLAN

BTS = Bunded Tank Store










■ = Spill kit

■ = Fire Call points

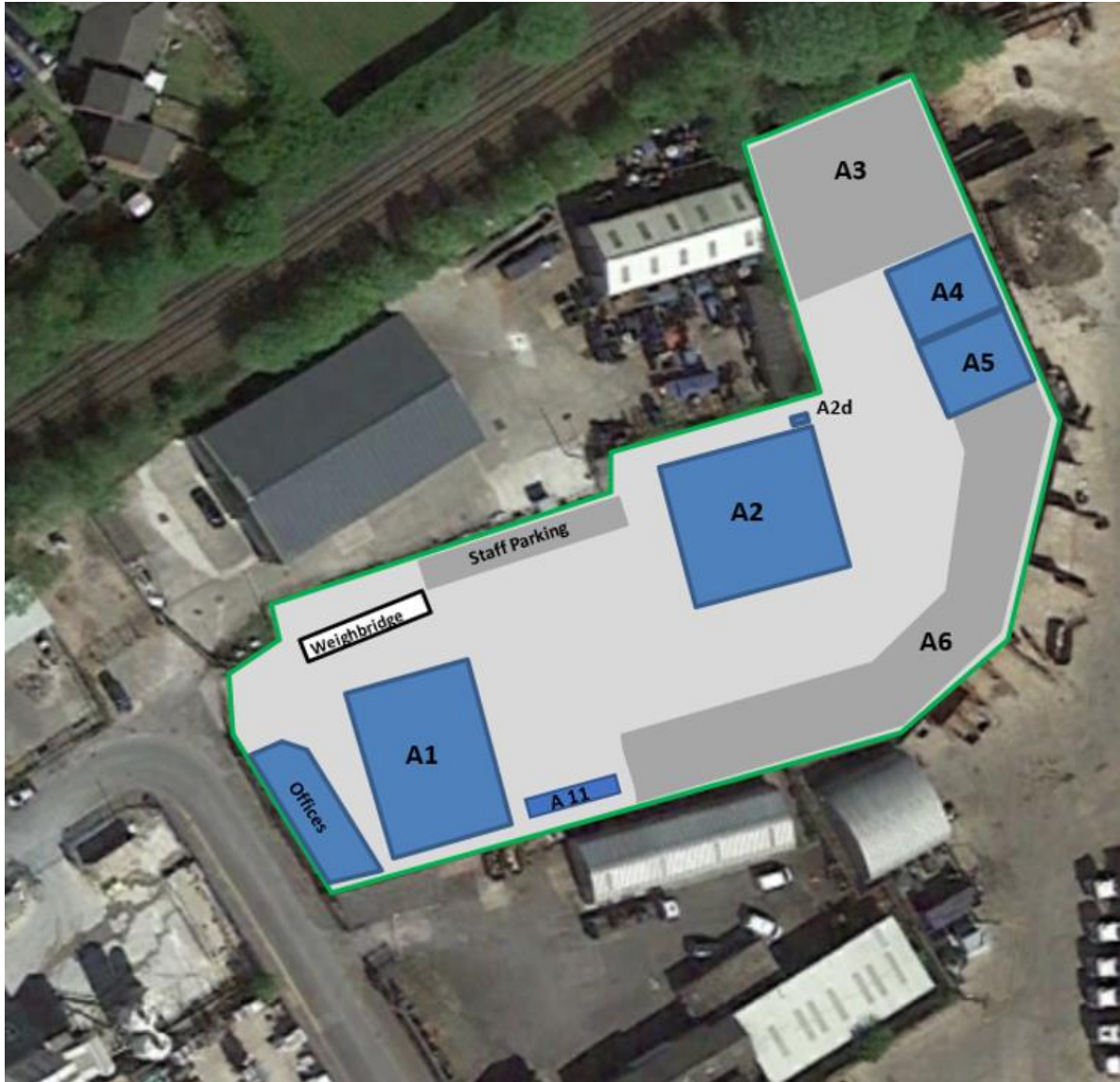




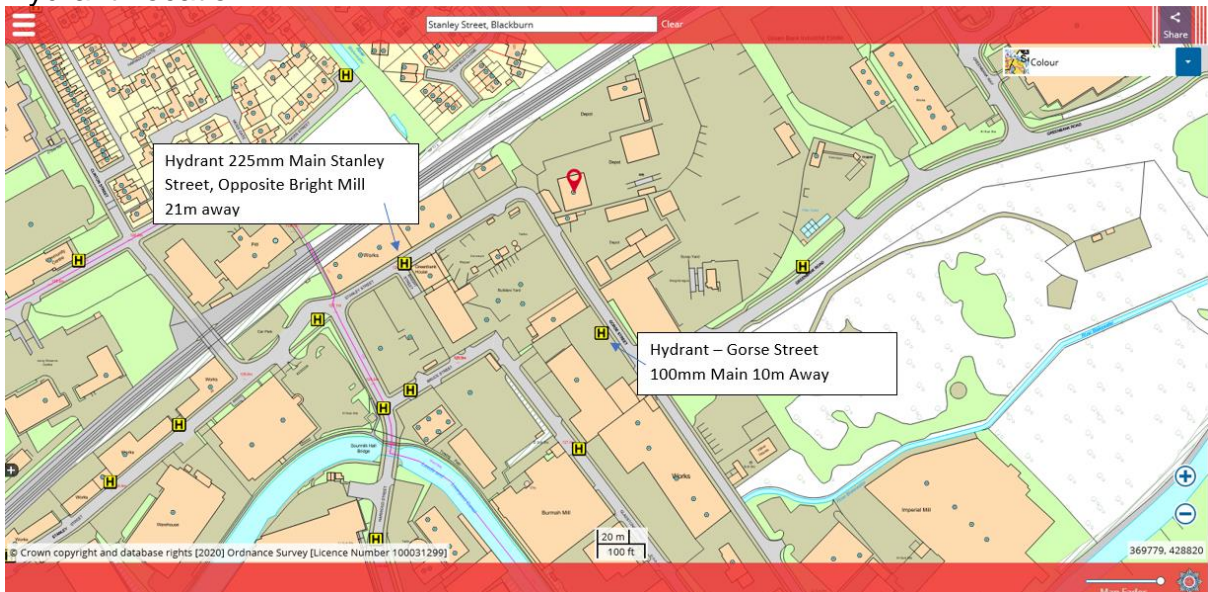
SITE OPERATIONAL PLAN

Storage Area	Hazard	Description
A		Site Office, Reception and Welfare facilities. The construction is of brick with steel cladding roof.
A1	See Below	Hazardous Waste Transfer Station, approx. 4,000 square feet. The construction is of brick with steel cladding roof, reinforced concrete floor and concrete reinforced walls to 5 feet at the sides and 8 feet steel reinforced at the front. See A8 to A10 below for internal storage areas
A2	   	Warehouse & Storage, approx. 5,000 square feet, the construction is of steel with steel cladding & corrugated sheet roof. Storage within A2 is for Hazardous Pharmaceuticals, Clinical, Medical, medicines, non-hazardous wastes such as WEEE and Pharmaceuticals. (Class 6, 8, 9, Non-class). Storage A2b is for the storage of WEEE & batteries (Class 8, 9, non-classified). A2c for the storage of batteries (class 8, 9, non-class) and A2d is a sealed cabinet for the storage of oxidizing materials inadvertently accepted into the site (Class 5).
A3	Non – hazardous Consumables	Storage for consumables empty drums, IBC's, Pallets etc. Not yet in operation for the storage of waste
A4	 	Area for the storage of WEEE, Paint, and paint related material – waste in sealed drums, IBC's and enclosed packaged waste. (non-classified, class 3, class 4 & class 9)
A5		Area for the storage of non-dangerous and miscellaneous waste Oily contaminated material, waste in sealed drums, IBC's, and enclosed packaging. (non-classified & class 9)
A6	Non – hazardous Consumables	Area for the storage of non-dangerous and miscellaneous waste consumables, empty containers, empty skips, and Non-Hazardous material. This area may also be used as a Quarantine area for the temporary storage of wastes inadvertently accepted into the site. (non-classified). A6a may also be used for the storage of a sealed asbestos skip. Not yet in operation for the storage of waste
A7		Parking area for employees and private cars
A8		Bulk Area for the storage and processing of Non-Hazardous Solids & Oily solids
A9	Reception	Reception - Segregation/Storage/Sorting/Bulking/consolidation area within A1 for wastes containing non- dangerous, Flammable, WEEE, Pharmaceutical, Gypsum, X-ray film, Dental amalgam, Batteries, Oily Rags & related – drummed and packaged waste. (Class 2, 3, 4, 5, 6, 8, 9, non-classified)
A10	Process area	Processing/repacking area including drum crusher, compactor, and container washing station. This area may also be used for bulking liquids into IBC's.
A11		Vented steel container for the storage of Aerosols (Class 2, non-classified)
BTS	Non dangerous	Bunded Tank Store consists of two internal steel storage tanks (Capacity 5,000 litres & 17,000 litres) with an outer bund tank which incorporates 110% volume of the inner tanks. The inner tank is assigned for oil/fuel storage (Class 9). The outer tank is not in use.

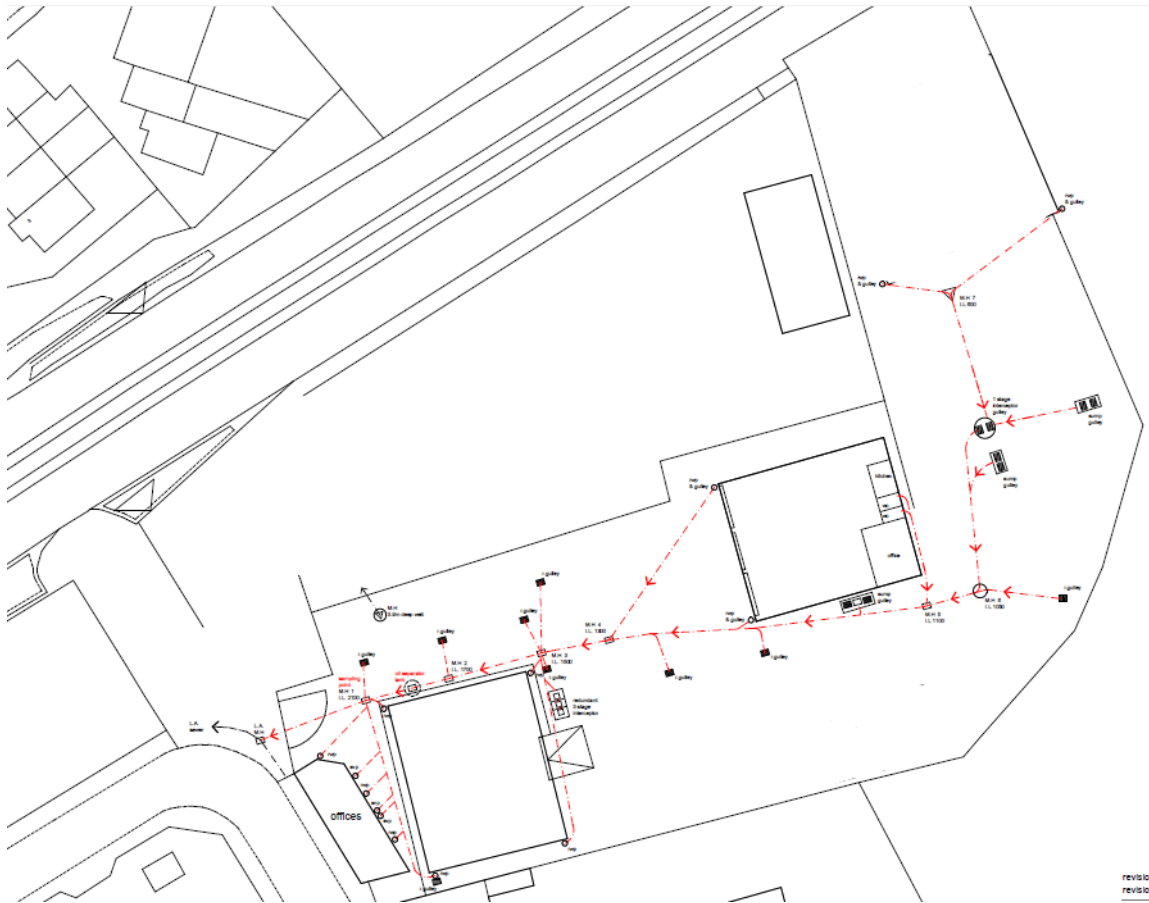
Scale Plan



Hydrant Location



Drainage Plan



The drain plan shows the combined surface water & foul water drainage and interceptor system and direction of flow for the site. The yard area & floor surfaces are constructed from ARC DBSC Mk 2 double reinforced concrete. All hard surfaces are cleaned and inspected on a regular basis. Each storage area is internally bunded.

Plan of sensitive receptors near the site

The East Lancashire railway line runs within 50m to the north of the site. On the opposite side of the railway line 400 metres to the North West of the site is Daisyfield Primary school.

There are no other sensitive receptors within 1Km of the site such as Hospitals, Care homes or protected habitat or species, see hyperlink below.

<https://magic.defra.gov.uk/MagicMap.aspx?chosenLayers=backdropDIndex,backdropIIndex,europelIndex,vmlBWIndex,25kBWIndex,50kBWIndex,250kBWIndex,miniscaleBWIndex,baseIndex&box=369341:428701:370346:429200&useDefaultbackgroundMapping=false>

Managing common causes of fire

Training: -

All staff on site have received instruction and attended a Fire Marshall course as regards use of extinguishers and firefighting techniques, as well as maintain the correct housekeeping standards, spillage control, hot work permits etc.

Arson

On site we have various measures in place to reduce the chance of an arson attack.

Site fencing has been erected from the left-hand side of the entrance to the site, along the boundary line and around the side of the garage. The fencing is 1.8m high PVC coated chain link fencing comprising of 50mm galvanised steel posts set 600mm deep in the ground at 3.0m centres in 300 x 300mm concrete foundations with 1.8m high x 50mm green mesh. Chain link complete with 3-line wires stir upped and tied to the face of the posts.

There is a lockable steel framed gate at the site entrance, to prevent unauthorised access. The site gate is kept always locked outside working hours and when the site is not manned.

Daily site checks take place on the site which includes checking the site fencing for any imperfections.

Any temporary repairs required to the fencing shall be made at the end of the same working day that damage is observed or reported. The gates, fencing or walls shall be repaired to their original standard within 14 days.

The premises are fully alarmed, and CCTV controlled both visual and thermal cameras. The CCTV security system is active when the site is not manned via Third Party who operates 24 hours a day, 7 days a week. There are also flood lights on the outside of both transfer station buildings.

In the event of any movement on site out of operating hours. The third-party camera operators will contact a CSG representative and inform us as well as contacting the relevant authorities where needed.

Plant and equipment

All plant and equipment will be regularly managed and serviced according to operating procedures (OP2). These records are kept onsite for reference. Daily checks are carried out on Forklift Trucks and Telehandler

Electrical equipment maintenance arrangements

PAT Testing carried out annually and Fixed Wire Testing is done every 3 years to the required regulatory standards.

Smoking on site policies

Smoking on site is not allowed except in the designated area which is adjacent to area A7.

Hot works safe working practices

Hot work will only be carried out on site under a signed permit to work (OP5).

Hot exhausts and engine parts

There are two Forklift Trucks on site and a Telehandler, and the exhaust and engine parts are enclosed and/or shielded to prevent contact with flammable materials, these are left parked overnight away from such contact.

Ignition sources

- 1) Smoking materials
- 2) Electrical sources
- 3) Hot work
- 4) Arson
- 5) Failure of plant and machinery

Leaks and spillages of oils and Fuels

Forklift Truck & Vehicle Movements will be restricted wherever possible, to prevent the risk of accidental collision and damage to containers containing liquid hazardous waste. Spillages will be cleaned up immediately.

Buildup of loose combustible waste and dust

All loose waste or litter will be gathered and swept up by site personal on a continual basis and by no later than the end of each working day. A 'Site Check Sheet' will be completed each working day monitoring site cleanliness, security, and repair (OP3).

Reactions between wastes

Wastes, which may react adversely together on contact, will be stored, and kept at sufficient distance to prevent the likelihood of any reactions. See Factory Procedure (FP2). Each Storage area will be clearly marked and signed with regards to the quantity and hazardous characteristics of the waste stored therein.

Regarding WEEE waste; Batteries will be placed in separate securely lidded approved containers. Batteries & accumulators have electrical connections isolated. Discarded equipment containing chlorofluorocarbons (Fridges/freezers/water coolers/air conditioning etc) will be stored no more than 2 high from the floor of the area to protect from impact with vehicles & machines. Prior to storage fridges will be checked to ensure that there is no leakage. If leaking, the items will be quarantined and arrangements for them to be de-gassed will be made as soon as possible.

Prevent self-combustion

General self-combustion measures

- 1) Regular monitoring of thermal cameras (see below)
- 2) Stock control, oily rags are removed from site ideally within a week of arriving on site and not left in a pile for prolonged period of time ,rags in sealed metal drums are deemed to be relatively safe.
- 3) The use of a hand held thermal camera is used in conjunction with the fixed thermal camera's to determine any possible hot spots.
- 4) Waste piles are to be managed by not tipping onto the floor for longer than is required ideally as late as possible up to being removed from site. The maximum size of waste pile will not exceed 50 cubic meters.

Monitor and control temperature

The temperature of the A1 building is monitored via thermal camera outside of the operating hours of the site. The site also carries out multiple temperature checks throughout the day especially in building A1 in which oily rags are stored.

Waste stored in containers

All waste must be stored in appropriate containers created for purpose. Type / Accessibility / Moving in case of a fire.

Prevent fire spreading

Separation distances / Fire Walls / Storage Bays

Quarantine area

Non-compliant containers will be moved to a dedicated quarantine area (A6) unless, the hazards are identified, and the waste can be safely stored in a general storage area with other compatible wastes whilst the non-conformance is investigated. The waste will be labeled as non-compliant containers to identify that they are quarantined.

Detecting fires

Detection systems in use include the provision of thermal cameras in Building A1 and smoke and thermal detectors in all buildings.

FIRE POINT	LOCATION	TYPES	WEIGHT
1	INTERNAL OFFICES ,RECEPTION	CO2/FOAM	2Kg/6 Ltr
2	INTERNAL OFFICES , REAR DOOR	CO2/FOAM	2Kg/6 Ltr
3	EXTERNAL BY FUEL TANKS	POWDER	9KG
4	A1 OUTSIDE BY FIRE EXIT	FOAM/CO2	6 Ltr/2Kg
5	A1 INSIDE BY FIRE EXIT	FOAM/CO2	6 Ltr/2Kg
6	A2 MAIN BUILDING	FOAM/CO2	9 Ltr/5Kg
7	A2 MAIN BUILDING REAR DOOR	FOAM/CO2	6 Ltr/2Kg
8	A2 UPSTAIRS CANTEEN	FOAM/CO2	6 Ltr/2Kg
		15 EXTINGUISHERS	

FIRE EXTINGUISHER PROVISION AND LOCATION

Water Supplies

A sufficient water supply is maintained and available with adequate pressure and quantity flow rate accessed just outside the site gates, emergency water supplies could be sourced from the Leeds/Liverpool Canal which is approx. 250m south of the site.

Managing Fire Water

There is an oil/water separator (see drainage plan) on site of approx. 10 cubic meter capacity any excess can be pumped into empty IBC's and held on site until disposal is required.

During and after an incident

In the case of an incident occurring CSG technical and other staff will be available to work in conjunction with the Emergency services to deal with any such incident safely, but the emergency services will be ultimately in control of managing the incident. After the site has been made safe preventative measures will be put in place to prevent a re-occurrence and a full report/ investigation carried out.

Fire fighting water and any other possible pollutants shall be removed from the site via the correct waste routes and disposal facilities.

Waste can be re-directed within the CSG group in the event of the site becoming non-functional as the result of an incident.