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1 INTRODUCTION

Medisort Limited operates a High-Temperature Treatment Plant; this fire prevention plan has three main objectives.

- Minimise the likelihood of a fire happening.
- Aim to extinguish the fire within 4 hours.
- Minimise the spread of fire within the site and surrounding area.

Site Location

This facility provides a critical part of the national clinical waste incineration fleet, and its location, being near a high population and medical waste producers' sites, offers minimal transport distance and, thereby, low haulage emissions. The site is located at Hillingdon Hospital, Pield Heath Road, Uxbridge, Middlesex, UB8 3RD. The centre of the site is at National Grid Reference TQ 06932 82150. The permitted area covers 0.24 Ha. And can be seen in **document D007.1 Green Line site boundary HH.**

Access to the site is via Kirby Way off Royal Lane; the site is boarded to the South by Crispin Way to the North by Kirby Way and Colham Road to the East. A 2-metre-high fence surrounds the site, and the nearest residential building is 3 metres from Kirby Way, which is in Rutherford Close. The site is staffed 24 hrs a day, seven days a week.

2 MANAGEMENT

The directors of Medisort Ltd are responsible for the site's day-to-day operations. These responsibilities include, as a minimum, compliance with the site permit and supporting documents, including legislative guidance specific to the acceptance and treatment of clinical wastes. The prevention of fire because of their business operations and protection of the environment and local amenities within the proximity of their business.

The directors shall ensure that all management and staff at the facility are aware of the conditionsof this FPP (Fire Prevention Plan), and records of training in this regard will be maintained on-site and reviewed as part of their internal auditing system. Site induction procedures for third parties and new members of staff shall include details of its fire prevention plan (FPP).

This Fire Prevention Plan should be read in conjunction with the EMS and Site Permit to ensurea comprehensive understanding of the facility's requirements and its safe operation are attained by management and individuals associated with the day-to-day running of the facility.

A technically competent manager (TCM) holding the relevant qualification to manage a treatment and transfer facility will be in attendance as required by the Environment Agency guidelines and shall maintain continued competence and accreditation by the Waste Management Training & Advisory Board (WAMITAB).

3 WASTE ACTIVITIES

The site is permitted for waste activities Permit Number EPR/YP340SE

AR1: Incineration of Clinical Waste Hazardous and Non-Hazardous and associated EWCs.

- 8,000 tonnes per annum

AR4 and AR5: Repackaging and Waste Transfer:

- A maximum of 50 tonnes at any one time for Hazardous Waste.
- A maximum of 120 tonnes at any one time for Non-Hazardous Waste.

Table S2.2 Permitted waste types and quantities for Activity AR1, Incineration of Hazardous and Non-hazardous waste	
Maximum quantity	**8,000 tonnes per annum**
Waste code	**Description**
02	**WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING**
02 01	**wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste

02 01 03	plant-tissue waste
02 01 99	wastes not otherwise specified
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 01	sludges from washing and cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 99	wastes not otherwise specified
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing, conserve production, yeast and yeast extract production, molasses preparation and fermentation**
02 03 04	materials unsuitable for consumption or processing
02 03 99	wastes not otherwise specified
02 05	**wastes from the dairy products industry**
02 05 01	materials unsuitable for consumption or processing
02 05 99	wastes not otherwise specified
02 06	**wastes from the baking and confectionery industry**
02 06 01	materials unsuitable for consumption or processing
02 06 99	wastes not otherwise specified
07	**WASTES FROM ORGANIC CHEMICAL PROCESSES**
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 13*	solid wastes containing hazardous substances
07 05 14	solid wastes other than those mentioned in 07 05 13
07 05 99	wastes not otherwise specified
15	**WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 09	textile packaging
15 01 10*	packaging containing residues of or contaminated by hazardous substances
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**

16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 21*	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
16 02	**wastes from electrical and electronic equipment**
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 03	**off-specification batches and unused products**
16 03 03*	inorganic wastes containing hazardous substances
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 05*	organic wastes containing hazardous substances
16 03 06	organic wastes other than those mentioned in 16 03 05
18	**WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE)**
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**
18 01 01	sharps (except 18 01 03)
18 01 02	Body parts and organs, including non-infectious blood bags and blood preserves
18 01 03*	infectious waste, not contaminated with chemicals or medicines
18 01 04	non-infectious offensive waste – human healthcare
18 01 06*	chemicals consisting of or containing hazardous substances
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 08*	cytotoxic and cytostatic medicines
18 01 09	other waste medicines, excluding cytotoxic and cytostatic medicines – human healthcare
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**
18 02 01	sharps (except 18 02 02)
18 02 02*	infectious waste, not contaminated with chemicals or medicines
18 02 03	non-infectious anatomical waste, not chemically preserved non-infectious offensive waste non-infectious gypsum wastes (for example, plaster casts and moulds)
18 02 05*	chemicals consisting of or containing dangerous substances
18 02 06	Chemicals other than those mentioned in 18 02 05*
18 02 07*	cytotoxic and cytostatic medicines
18 02 08	other waste medicines, excluding cytotoxic and cytostatic
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**

19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 09*	solid combustible wastes containing hazardous substances
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 02 99	wastes not otherwise specified
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 10	clothes
20 01 31*	cytotoxic and cytostatic medicines – municipal, separately collected fractions not from healthcare or research-related sources
20 01 32	other waste medicines, excluding cytotoxic and cytostatic medicines – municipal, separately collected fractions not from healthcare or research-related sources
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)
20 02	**garden and park wastes (including cemetery waste)**
20 02 01	biodegradable waste
Table S2.3 Permitted waste types and quantities for Activities AR4 and AR5, Repackaging and Waste Transfer	
Maximum quantity	**A maximum of 50 tonnes at any one time for Hazardous Wastes** **A maximum of 120 tonnes at any one time for Non-Hazardous Wastes**
Waste code	**Description**
07	**Wastes from organic chemical processes**
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 13*	solid wastes containing hazardous substances
07 05 14	solid wastes other than those mentioned in 07 05 13
09	**Wastes from the photographic industry (Note [1])**
09 01	**wastes from the photographic industry**
09 01 02*	water-based offset plate developer solutions
09 01 03*	solvent-based developer solutions

09 01 04*	fixer solutions
09 01 05*	bleach solutions and bleach fixer solutions
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 09	textile packaging
15 01 10*	packaging containing residues of or contaminated by hazardous substances
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
18	**WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE)**
18 01	**wastes from natal care, diagnosis, treatment or prevention of disease in humans**
18 01 01	sharps (except 18 01 03)
18 01 02	body parts and organs including blood bags and blood preserves (except 18 01 03)
18 01 03*	infectious waste, not contaminated with chemicals or medicines
18 01 04	non-infectious offensive waste – human healthcare
18 01 06*	chemicals consisting of or containing hazardous substances
18 01 07	chemicals other than those mentioned in 18 01 06
18 01 03* and 18 01 06* or 18 01 07	infectious waste, contaminated with chemicals
18 01 03* and 18 01 09	infectious waste, medicinally contaminated (not cytotoxic or cytostatic) – (may contain sharps) sharps from vaccinations delivered in hospitals or GP surgeries
18 01 08*	cytotoxic and cytostatic medicines
18 01 09	medicines other than those mentioned in 18 01 08
18 02	**wastes from research, diagnosis, treatment or prevention of disease involving animals**
18 02 02*	infectious waste, not contaminated with chemicals or medicines

18 02 03	non-infectious anatomical waste, not chemically preserved non-infectious offensive waste non-infectious gypsum wastes (for example, plaster casts and moulds)
18 02 02* and 18 02 05*	infectious waste, contaminated with chemicals
18 02 05*	chemicals consisting of or containing hazardous substances
18 02 06	chemicals other than those mentioned in 18 02 05
18 02 07*	cytotoxic and cytostatic medicines
18 02 08	medicines other than those mentioned in 18 02 07
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 01	paper and cardboard
20 01 02	glass
20 01 10	clothes
20 01 31*	cytotoxic and cytostatic medicines
20 01 32	medicines other than those mentioned in 20 01 31
20 01 99	other fractions not otherwise specified
Note 1. Limited to wastes arising from medical practices or associated with research activities.	

4 WASTE STORAGE

Storage of Hazardous waste before transfer to a more suitable disposal site will be within the High-Temperature Treatment (HTTP) building; the storage area will be over the ground floor and a mezzanine floor area with a total bin storage capacity of 250 x 770 Ltr wheeled bins **D002.1 WASTE STORAGE.**
Storage will be in UN-approved standard industry wheeled bins; the transfer of waste will be in the same UN-approved standard industry wheeled bins or bulk transfer of bagged waste onto an UN-approved transport unit. The transfer of any bulk waste in bags to the UN-approved transport unit will take place from the HTTP building at either one of the waste reception areas. Medisort's waste tracking system **MediTrack E007.5.9 i4 MediTrack Waste Booking & Tracking Procedure** monitors bin numbers, weights, and time on site.

Storage of non-hazardous waste before transfer to a more suitable disposal site will occur in the yard within the permitted area highlighted in document **D007.1**. **Site Location Plan - HH** All containers will be closed and or covered to avoid escaping waste except while loaded and unloaded. There will be no more than 120 tonnes of Non-Hazardous stored on-site at any one time, and these levels are monitored by Medisort's site waste tracking system MediTrack **E007.5.9 i4 MediTrack Waste Booking & Tracking Procedure.**

Incinerator Bottom Ash.
Bottom ash from the incineration process is transferred from the quench pit to an outside storage area via an auger conveyor system; the outside storage area will be a lidded 42-yard skip.

Storage of waste containing POPs.
Any waste containing POPs that Medisort would store on site would likely be mattresses or small soft furnishings from a healthcare environment consigned as infectious or non-infectious waste. The mattresses consigned as infectious would be stored in the HTTP building for a minimal time. The aim would be to incinerate this waste as soon as possible to reduce the storage to a minimum. The non-infectious waste will be stored with the other non-infectious waste in the 42yrd metal skips in the yard, and again the aim would be to reduce the storage before onward disposal to a minimum.

5 FIRE PREVENTION MEASURES

Fire prevention measures have been formulated to support the findings from the Fire Risk Assessment **H002.10.4** and the guidance issued by the Environment Agency. These control measures shall be kept under continuous review by site management. Adherence to this Fire Prevention Plan forms the basis of Medisort's fire preventionpolicy. It constitutes a safe and effective working environment when enacted with the EMS and operational risk assessments.

Control of Ignition Sources

To reduce the risk of fire-starting, ignition sources will be kept away from combustible waste; the waste on site is stored in 770 Ltr UN-approved standard industry-wheeled bins.

Any ignition source, such as electrical cables and lighting, is installed and maintained by a competent person. Any ignition source is subject to a risk assessment before being sited in or around the waste material. Every shift will have a fire marshal on duty

The following are considered potential Ignition sources:

- **Arson/Vandalism**

The site is not accessible by the public and has a 2-metre-high fence surrounds the site; the approach road to the does have a barrier fitted; the nearest residential building is 3 metres from Kirby Way, which is in Rutherford Close there is a 7-foot wall between the access road and Rutherford Close.

The site is covered by CCTV inside and outside, monitored from the plant room, and can be monitored via a phone app.

The site is staffed 24/7.

The EA does share intelligence, if they receive any, regarding the activities of any activist groups.

- **Plant and Equipment**

A maintenance regime and active cleaning programme coupled with regular checks negate the potential of a fire starting from plant and equipment. **(H003.30 i8 Maintenance Daily Weekly Checklist HH, H003.32 i4 Maintenance Monthly Checklist HH, H003.33 i2 Maintenance Quarterly Checklist HH).**

- **Electrical Faults**

Regular inspections will be undertaken as detailed in (**H003.30 i8 Maintenance Daily Weekly Checklist HH, H003.32 i4 Maintenance Monthly Checklist HH, H003.33 i2 Maintenance Quarterly Checklist HH).** As a rule, power cables are located at high points and secured to the building framework.

- **Smoking**

No Smoking policy **(P001 Personnel Manual)** is in force across the site for visiting drivers and site staff. The policy will be rigidly enforced, and an immediate ban will ensue should anyone be caught smoking away from approved areas. Dedicated smoking areas are provided outside of the permitted boundary.

The no-smoking policy also applies to "e" cigarettes.

- **Reaction Between Wastes**

Due to the majority of the waste being stored in 770 Ltr wheeled bins, some waste will be stored on pallets in their containers and not stored loose. It's not known that clinical waste, waste streams react with each other for extra security; clinical waste is packaged in sacks and one-way burn bins. Also, the palletised waste is shrink-wrapped for storage.

There is a very low potential for a fire risk from a reaction between wastes.

- **Hot Works**

No **'Hot Works'** will be allowed to commence without the appropriate forms being processed **(H003.19 HOT PERMIT TO WORK);** personnel involved in the activity are fully briefed, and their work area is explained.

Hot works permit can only be issued by senior members of staff who have undergone the relevant training and whose names appear on the authorised personnel register. Hot works are carried away from waste in clean and prepared areas for the activity. During the operational day, hot works will be supervised by a member of staff who has previously been made aware of the conditions under which the work can commence. In all cases, the plant undergoing hot works will be left and supervised for some time before returning to active duties.

- **Leaks and Spillages**

During daily checks (**H003.30 i8 Maintenance Daily Weekly Checklist HH, H003.32 i4),** the site plant and equipment should include fluid leaks, which must be reported if found and the appropriate action taken. Fluid leaks can ignite when coming into contact with hot surfaces.

Spillages must be dealt with following the procedures set out for this event.

- **The build-up of loose Debris and combustible materials**

Good housekeeping is essential for health and safety compliance and averting apotential fire from accumulated materials (**H003.30 i8 Maintenance Daily Weekly Checklist HH, H003.32 i4)**

- **Industrial heaters**

  It's not Medisort's policy to use industrial heaters on-site.

- **Hot and lit Debris from the Hearth**

  There can be a scenario where lightweight lit material can be caught up in the waste ram's reverse stroke; a water control system is in place to prevent lit material from escaping the hearth pit.

- **Mobile Plant/Hot Exhausts**

  The only mobile plant that is used on site is a forklift which is subject to daily/shift checks (**H003.5.35 Forklift Inspection Shift Checklist)**

6 SITE SECURITY

The site is not accessible by the public and has a 2-metre-high fence surrounds the site; the approach road to the does have a barrier fitted; the nearest residential building is 3 metres from Kirby Way, which is in Rutherford Close there is a 7-foot wall between the access road and Rutherford Close.

- The site is covered by CCTV inside and outside, monitored from the plant room, and can be monitored via a phone app.
- The site is staffed 24/7.
- All visitors must be pre-booked and, on arrival, sign in on entry by reporting to the site office, where senior staff will be informed of their presence. All visitors must be accompanied around the site and not enter restricted areas.
- Contractors arriving to carry out work will undergo a separate induction**. (H003.3 Contractor Safety Instructions and Declaration)**
- Drivers delivering waste must be booked before arriving and stay with their vehicles if asked.

7 RISKS TO NEIGHBOURING BUSINESSES

- The site has no business neighbours as the site is the grounds of the Hillingdon Hospital Trust.
- Our nearest neighbours are in residential buildings in Rutherford Close; there is a 7-foot wall between the access road and Rutherford Close.

8 COMBUSTIBLE MATERIALS STORED ON SITE

Trade Name	Substance	Solid / liquid/gas/powder	Container size(s)	Maximum Quantity Held
	Hydraulic Oil	Liquid	25 ltr Drums	250ltr
	Activated Carbon	Powder	25 ltr Bags	800ltr
	Gas (CEMMS)	Gas	25 Kgs Gas cylinders	50 Kgs

- There will also be a range of domestic cleaning products for general housekeeping.
- Dedicated gas cage is on-site for storing gas cylinders.
- Dedicated storage areas for flammable materials and bunded areas for chemicals and liquids.

9 FIRE DETECTION ALARM

- The site has an internal zoned fire detection system that is monitored from the plant room and positions around the HTTP Building; the system includes audible and visual indicators, heat detection, and manual call points.

- Staff are trained to be fire vigilant, which will be covered from their induction day forward.

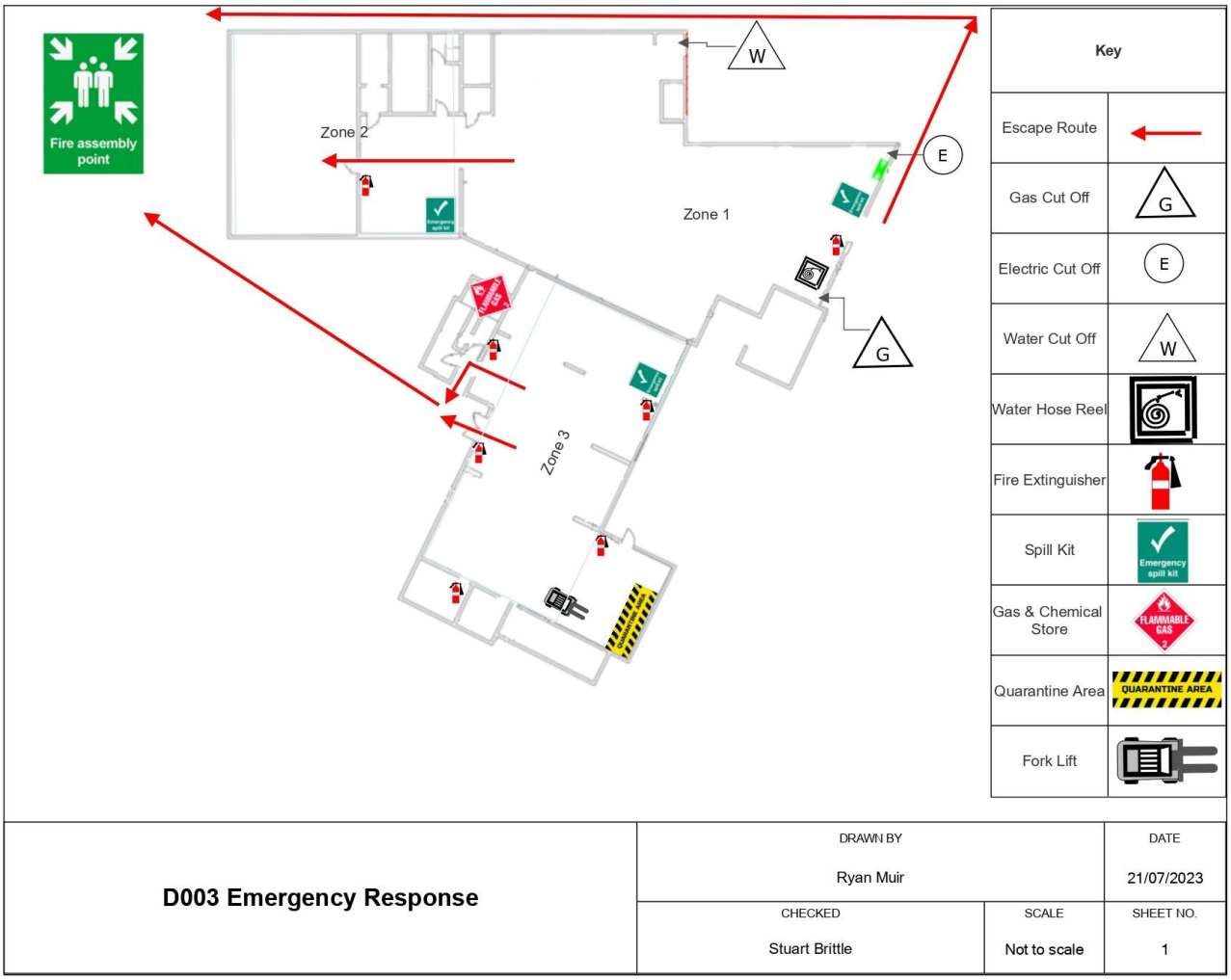
10 FIRE FIGHTING

Medisort staff are not expected to put themselves in danger or at risk in a firefighting situation. Still, as a precaution to help reduce the risk of fire spreading and assist in a life-threatening situation, Medisort plant staff and management will be trained to use handheld fire extinguishers, including a wall-mounted reel fire hose.

On-site Firefighting resources.

- Wall-mounted hose reel.
- Fire extinguishers stand points.

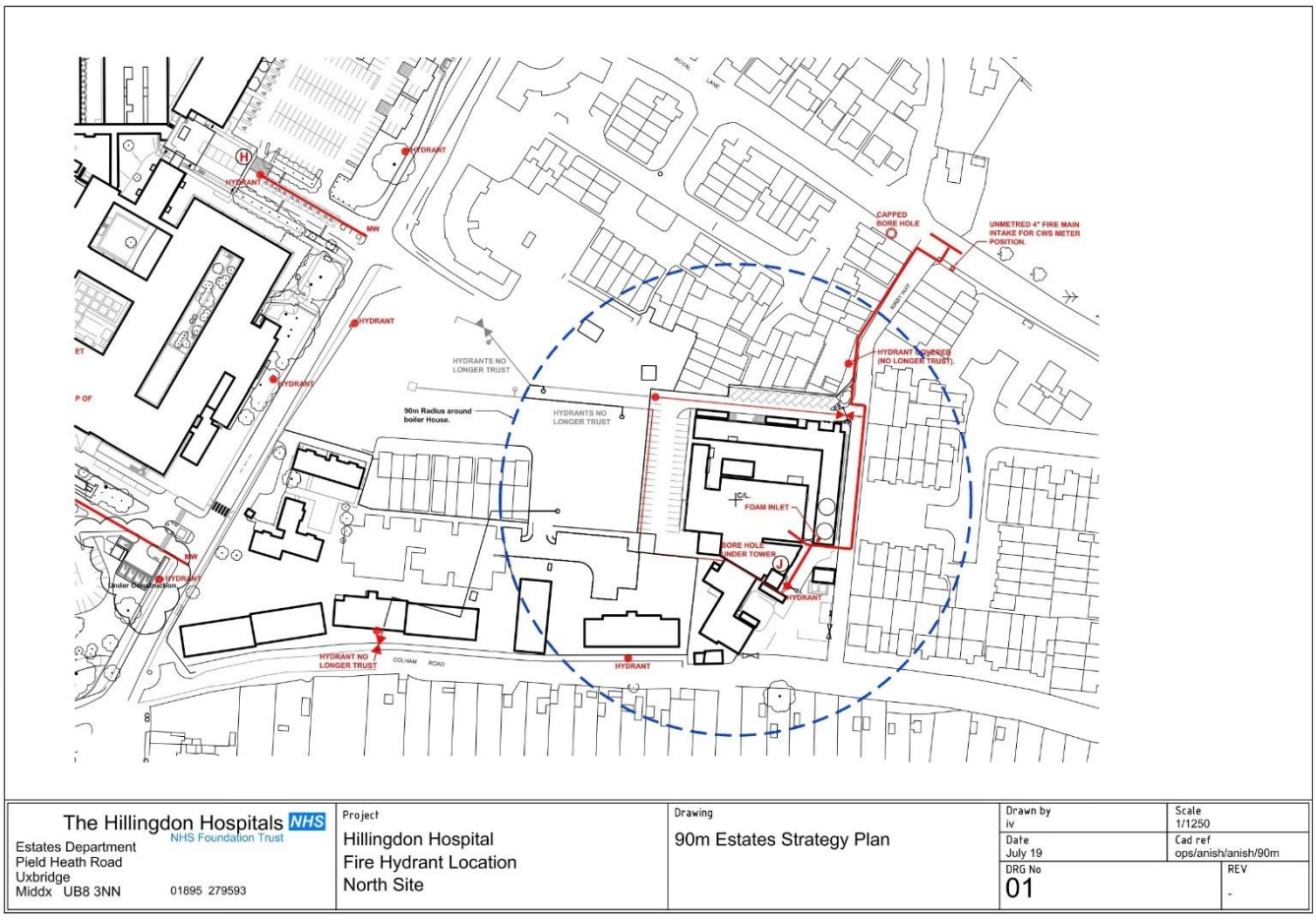
Location of on-site Firefighting equipment:



There are four fire hydrants within 90 meters of the plant building:

- At the base of the water tower (1 Meter)
- Colham Road SE of the plant building (Est 80 Meters)
- Top part of Kirby Way North of the plant building (Est 80 Meters)
- Car park to the NW of the plant building (Est 80 Meters)

Location of fire hydrants:

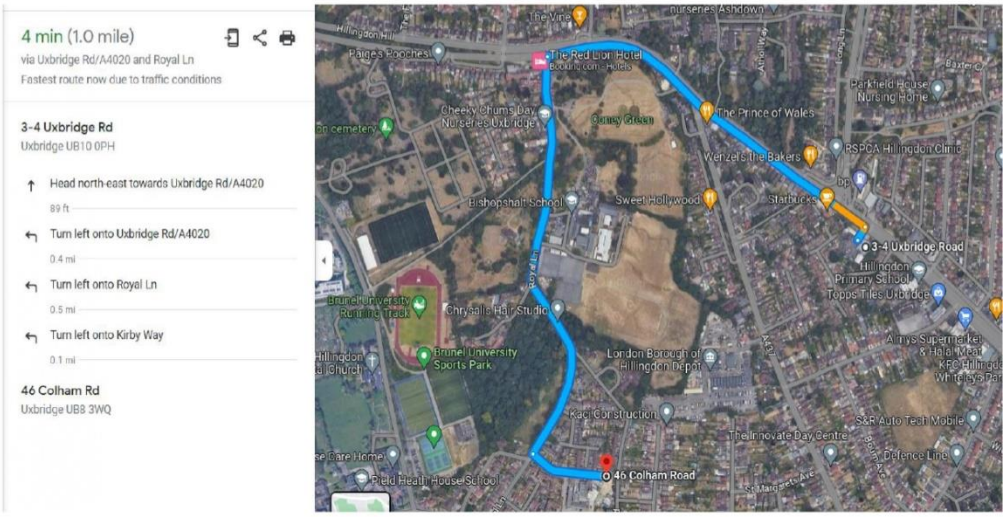


Off-site Firefighting resources.

- Emergency services
- The nearest Fire station is 1.3 miles by road, with a 6-minute travel time to the site.

Access for the emergency services will be via Royal Lane into Kirby Way; the site is located at the end of Kirby Way, which is a dead end; the emergency services have no vehicle access to the site if approached via Colham Lane unless the gate at the junction of Kirby Way Colham Lane is breached.

D003.2 Fire Service Access Route



D003.2 Fire Service Access Route

11 FIRE PREVENTION

Medisort takes fire prevention seriously and understands how an uncontrolled fire could impact the local environment, residents, and our business. To assists in fire prevention at our site, we have the following measures in place.

- Fire prevention is covered in the induction process of all new staff.
- Fire prevention will be refreshed every 12 months via Tool-Box Talks.
- Daily site checks **(H003.30 i8 Maintenance Daily Weekly Checklist HH, H003.32 i4).**
- The promotion of good levels of general daily housekeeping.
- That waste waiting for disposal via HTTP or transfer is sorted in 770 UN-approved wheeled bins.
- Enforced a no-smoking policy, which includes e-cigarettes.
- Medisort waste audit and acceptance procedures.

12 STAFF TRAINING

All permanent and temporary site staff must be familiar with this Fire Prevention Plan; the following procedures are in place to achieve this.

- Regular Tool-Box-Talks relating to selected topics taken from this FPP.
- Management must ensure all staff know the FPP and sign an acknowledgement slip to affirm their understanding.
- The FPP is reviewed six monthly to ensure it remains effective and relevant to activities.
- The FPP forms part of the site induction process for new/temporary staff.
- Regular emergency drills are enacted to create familiarity with the event of a fire and a record made of the outcome with actions for continual improvement.

The site supervisor and staff designated as the initial stage fire response team will conduct regular stress tests. The purpose is to test equipment and familiarise the team with engaging a fire at various locations around the site.

On completion of the enactment, a debriefing meeting will ensure to discuss the outcome of the enactment, how equipment is performed in certain circumstances and the comments/suggestions from those involved. Minutes will be taken of the meeting and passed to the site manager / TCM, who will act upon any recommendations. ?

13 SHUTDOWNS/PLAN/UNPLANNED

Due to the design of the plant and the vertical placement of the boiler, maintenance shutdowns will be required 36 hours per week; the plant will shut down late on the Friday shift and look at starting again on the early Monday shift; this will be extended once a year for an additional 36 hours of yearly maintenance the site is permitted for waste transfer this activity will continue during maintenance shutdowns and any unplanned shutdowns this allows Mediosrt to continue to accept waste and still control waste levels on-site within permit limits.

13 EMERGENCY PLAN

The following Emergency Plan will be implemented should a fire start and take hold.

FIREFIGHTING STRATEGY

Initial firefighting/containment will be conducted by trained staff. If a fire is beyond the abilities of the trained staff, then the Fire & Rescue Services will take control.

The F&RS and or Environment Agency will take any decision for a controlled burn as the site does not employ a Fire Safety Officer with relevant knowledge to make this decision. It is company policy for staff not to put themselves or others at undue risk.

This document has been prepared to assist the emergency services in their role and will be continually reviewed and updated upon any consultation or advances derived from industry best practices.

The site office maintains a plan detailing the location of all fire extinguishers, alarms, hose, and assembly points **(D003.1 Emergency Response HH)**. A fire extinguisher icon on the external door clearly marks buildings and containers storing fire extinguishers. Key members of staff, the site manager and shift supervisor, will assist the fire emergency services by appraising them of the prevailing situation and providing specific details such as the location of fire hydrants, on-site water sources, building layout and construction and confirmation that buildings have been evacuated and all personnel accounted for.

14 FIRE WATER MANAGEMENT

In the event of a fire, fire water would be contained by the retaining walls of the building. Then it will be removed from the site as contaminated waste via an approved contractor following liaison with the local Environment Agency. A water barrier system would be employed at building access points to prevent fire water from escaping into the wider environment. Drain covers would also stop fire water from entering the drainage system. The plant floor and yard are made up of an impermeable surface.

The nearest residential building is 3 metres from Kirby Way, in Rutherford Close, protected by a 6-meter brick wall. A borehole is on-site under the water tower; the borehole is no longer used and capped off.

15 FIRE SPREAD INTERNAL

To reduce the likelihood of a fire spreading internally, the 770 UN-approved wheeled bins would be moved out to the yard if safe to do so, along with any palletised waste; this would greatly reduce combustible material inside the building, the main gas to supply to the incinerator also can be isolated if needed.

16 FIRE SPREAD EXTERNAL

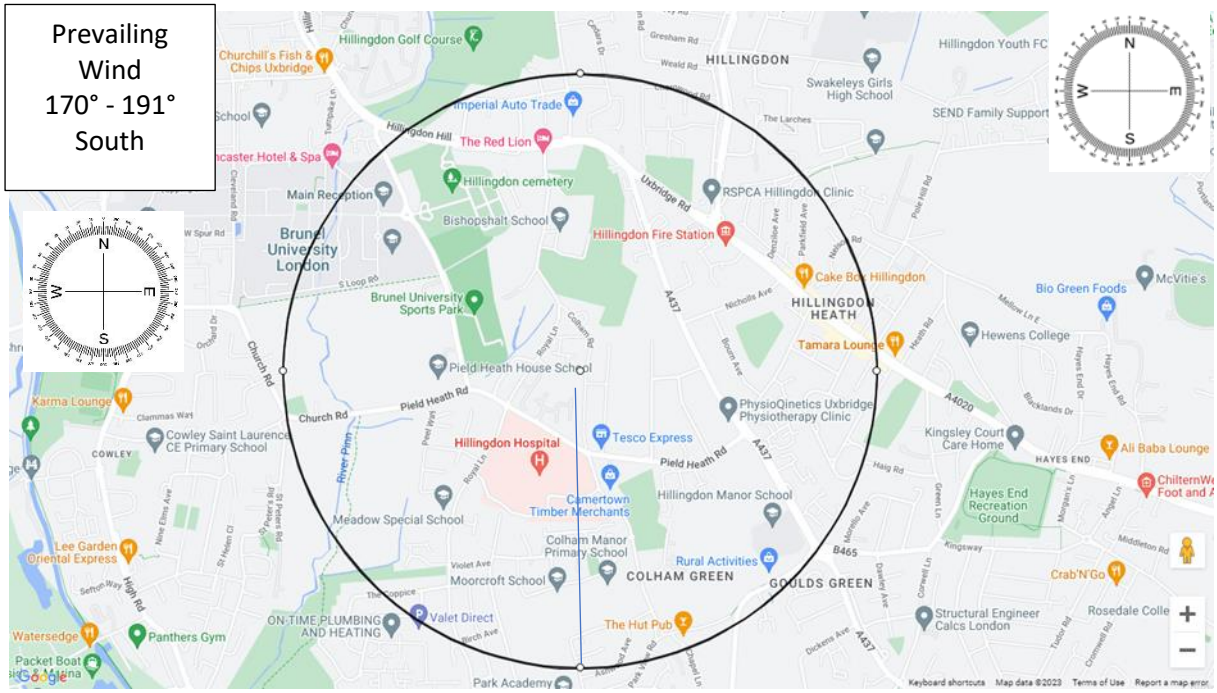
The spread of fire externally from waste would be very unlikely as all the non-hazardous waste is stored in 42-yard metal-lidded bins. The attached building is the boiler house, and the rest of the immediate area comprises a concrete yard.

17 IMPACT ON PEOPLE

The site is located at Hillingdon Hospital, Pield Heath Road, Uxbridge, Middlesex, UB8 3RD. The centre of the site is at National Grid Reference TQ 06932 82150. The permitted area covers 0.24 Ha, as seen in the document **(D007.1 Green Line site boundary HH).** The nearest residential building is 3 metres from Kirby Way, which is in Rutherford Close to the rear of the building is the Hospital site engineering department and boiler house; the site is in a residential area. Any smoke from an uncontained fire would cause inconvenience to the residents and the hospital engineering department, also the surrounding roads, the main which are the A4020 and the A437, which are towards the east of the site and are at the crosswind to the site.

In most cases, any smoke would get caught up in the warm air updraft of the fire and be taken above the height of any residential area.

18 SENSITIVE RECEPTORS (Within 1 Km of the site)



Receptor	Direction from Site	Approximate Distance from Site	Wind Direction from Site
Uxbridge Grove Nature Reserve	NW	241 Meters	Up Wind
Hillingdon Hospital	South	300 Meters	Down Wind
Pield Heath Rd (Road) Runs West to East from the site*	South	302 Meters	Down Wind
The Grove	North	390 Meters	Up Wind
Care Home Marian House	East	396 Meters	Cross Wind
A437 (Road) Runs North to South of the site*	East	396 Meters	Cross Wind

Pield Heath House School	West	450 Meters	Cross Wind
Bishopshalt School	North	479 Meters	Up Wind
Meadow Special School	South	616 Meters	Down Wind
Hillingdon Fire Station	NE	649 Meters	Cross Wind
Colham Manor Primary School	South	692 Meters	Down Wind
Moorcroft School	South	718 Meters	Down Wind
River Pinn	West	742 Meters	Cross Wind
A4020 (Road) Runs North to site of the site*	East	747 Meters	Cross Wind
Stockley Park Country Park	South	800 Meters	Down Wind
Red Lion (Pub)	North	820 Meters	Up Wind
Hillingdon Manor School	South	837 Meters	Down Wind
Brunel University London	South	873 Meters	Up Wind
Philpot's Farm Open Space	SW	924 Meters	Cross Wind

*Medisort has listed the three main road arteries that run within 1km of our site; Medisort also acknowledges that there are many other smaller roads and thoroughfares within 1km of the site, which makes it impractical to list them all.

19. WINDROSE

Windroses from Heathrow Airport 2017-2021