

Royal Preston Hospital

Non-Technical Summary

Ref: RPH.PT.NTS.2307.v2

July 2023

Royal Preston Hospital is seeking to vary the existing standard rules permit Ref: ZP3191CY/V002 to a bespoke permit for the clinical waste transfer station to enable the permitted area to accept clinical waste from customers outside the Royal Preston Hospital and to store waste outdoors. The permitted area is a small scale operation that will accept up to 1,750 tonnes of clinical waste per annum. The average weekly tonnage will be 34 tonnes.

The permitted area comprises of an external yard with 770 litre wheeled bins used for storage, a bin tipper and scales for weighing waste upon arrival which is under cover, and an indoor refrigerator unit with additional 770 litre wheeled bins for storage and a quarantine area. The indoor refrigerator unit is equipped with air conditioning.

The site accepts seven different waste streams consisting of offensive waste, sharps waste, infectious waste, cytotoxic/cytostatic waste, medicine waste and anatomical waste. Each waste stream is clearly identified by the type of waste bag/container it is stored in, as well as the bin tag. External waste will be received and immediately loaded into 770 litre wheeled bins. Trust waste will already be contained within 770 litre wheeled bins. The bins are moved to the weigh scales which are under cover to the north of the permitted area to be weighed. Once weighed, each wheeled bin of waste is labelled with the appropriate bin tag indicating source, weight, date, and waste type.

It is crucial to note that all of the 770 litre wheeled bins are clearly labelled with the type of waste stream they are assigned for. Each wheeled bin is locked and accessed by the use of a bin key. Once opened and the waste stored inside, each wheeled bin is equipped with an automatic closing and locking mechanism, and therefore the waste will have very little exposure.

All waste will be stored within bags and containers according to waste stream within 770 litre wheeled bins on the impermeable concrete surface. Also, it is crucial to note that some infectious waste, waste containing traces of medicines, and anatomical wastes, are stored within the 770 litre wheeled bins within the refrigerator unit which is indoors and equipped with air conditioning. The remaining 770 litre wheeled bins are stored externally.

Non-conforming waste is defined as waste that the site is not permitted to accept under the planning permission and the environmental permit. If non-conforming waste is identified prior to unloading, site management will be alerted immediately. If it is customer waste, the customer will have to remove this waste from the site, or return to the site to collect the waste. For Trust non-conforming waste this will be separated transferred to the quarantine area pending further investigation and appropriate disposal.

The weekly average anticipated throughputs are as follows:

Material Type	Form	Amount (Weekly)
Clinical Waste – various streams	Sealed bags and containers	Average: Up to 34 tonnes

The site is located within a larger site consisting of hospital buildings situated in an urban setting. The larger hospital site is surrounded by residential housing. The nearest residential housing is approximately 100m to the southeast. The site's operating hours are as follows:

Monday – Friday: 08.00 – 15.00

Saturday – Sunday: No customer waste received.

Non-Hazardous Waste

The site handles non-hazardous waste in the form of medicines and offensive waste. Customer waste is collected using the customer's own transport. Upon arrival, the waste is inspected by site management. External waste will be received and immediately loaded by the customer into 770 litre wheeled bins. Trust waste is already contained within 770 litre wheeled bins. The bins are moved to the weigh scales which are under cover, to the north of the permitted area to be weighed. Once weighed, each wheeled bin of waste is labelled with the appropriate bin tag indicating source, weight, date, and waste type. Clinical waste is received in six different waste streams; offensive waste, sharps waste, infectious waste, cytotoxic/cytostatic waste, medicine waste and anatomical waste. Each waste stream is clearly identified by the type of waste bag/container it is stored in, as well as the bin tag.

It is crucial to note that all of the 770 litre wheeled bins are clearly labelled with the type of waste stream they are assigned for. Each wheeled bin is locked and accessed by the use of a bin key. Once opened and the waste stored inside, each wheeled bin is equipped with an automatic closing and locking mechanism.

Hazardous Waste

The site handles hazardous waste in various forms including infectious, anatomical, cytotoxic, cytostatic, and sharps waste. The waste is collected by customers using their own transport. Upon arrival, the waste is inspected by site operatives. External waste will be received and immediately loaded by the customer into 770 litre wheeled bins. Trust waste is already contained within 770 litre wheeled bins. The bins are moved to the weigh scales which are under cover, to the north of the permitted area to be weighed. Once weighed, each wheeled bin of waste is labelled with the

appropriate bin tag indicating source, weight, date, and waste type. Clinical waste is received in six different waste streams; offensive waste, sharps waste, infectious waste, cytotoxic/cytostatic waste, medicine waste and anatomical waste. Each waste stream is clearly identified by the type of waste bag/container it is stored in, as well as the bin tag.

On arrival, hazardous waste is inspected at the gate by the site operatives to ensure that the waste delivered to the site meets the following criteria:

- EWC Code on the waste transfer note conforms to the waste inside the container.
- Permit waste acceptance criteria – waste meets with the criteria of the environmental permit and the planning permissions for example, waste accepted would be within the permissible tonnage and waste type acceptance criteria.

If non-conforming hazardous waste is identified upon arrival, the load will be rejected immediately. In the event that non-conforming waste is identified, it will be segregated from the load immediately and transferred to the quarantine area within the refrigerator unit. The non-conforming waste will be removed from site as soon as possible to a suitable permitted facility. If the non-conforming waste is from a customer, they are required to remove the waste from site.

It is crucial to note that some infectious waste, waste containing traces of medicines, and anatomical wastes, are stored within the 770 litre wheeled bins within the refrigerator unit which is indoors and equipped with air conditioning. The remaining 770 litre wheeled bins are stored externally.

European Waste Code (EWC)	Product Description	Destination within Facility		Process
		External Yard 770 litre wheeled bins	Refrigerator unit	
18 01 02/03*	Body parts and organs including blood bags and blood preserves (except 18 01 03)	No	Yes	Sorting and storage
18 01 03*	Wastes whose collection and disposal is subject to special requirements	Yes	No	Sorting and storage

	in order to prevent infection.			
18 01 03*/09	Wastes whose collection and disposal is subject to special requirements in order to prevent infection. Medicine contaminated sharps	Yes	No	Sorting and storage
18 01 04	Wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers).	Yes	No	Sorting and storage
18 01 08*	Cytotoxic and cytostatic medicines	No	Yes	Sorting and storage
18 01 09	Medicines other than those mentioned in 18 01 08.	No	Yes	Sorting and storage
20 01 99	Other fractions not otherwise specified.	Yes	No	Sorting and storage