Recycling and recovery UK

Taunton Depot

Transfer Station

1.2 Operations and Emissions Management Plan

August 2024

General

DOCUMENT DETAILS

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DOCUMENT REVIEW HISTORY

Date	Description	Summary of Changes
August 2024	Version 1.0	New document developed for variation to integrate S1 and S2 activities and accept clinical waste.

CONTENTS

FIGURES

APPENDICES

1 INTRODUCTION

1.1 Operational Hours

1.1.1 The operational hours of the site are detailed within the Planning Permission and all specified waste management activities will be undertaken within the hours specified including restrictions on hours for loading/unloading and movement of wastes.

1.2 Permitted Activities

1.2.1 The site holds an Environmental Permit (permit) with the reference EPR/HB3705GN. The site is permitted as a transfer station for the storage and treatment of household, industrial and commercial wastes prior to recycling and/or recovery.

1.2.2 The waste types permitted to be accepted at the site are detailed in Appendix A and comprise source-segregated kerbside dry recyclables and food waste, separately collected Tetrapak containers, small electrical items, batteries, textiles, clinical waste subject to kerbside collection (for example sharps and medicine packaging), and residual waste. Hazardous wastes accepted at the site will be limited to WEEE items, batteries and limited clinical wastes.

1.2.3 The maximum permitted annual tonnage of waste accepted at the site shall not exceed 75,000 tonnes.

1.2.4 The D and R activity codes that will be carried out on site are detailed below:

D9	Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12
D14	Repackaging prior to submission to any of the operations numbered D1 to 13
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)
R3	Recycling/reclamation of organic substances which are not used as solvents
R4	Recycling/reclamation of metals and metal compounds
R5	Recycling/reclamation of other inorganic materials
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

2 OPERATIONS

2.1 Activities & Processes

2.1.1 The following activities and processes are carried out at the facility:

- Waste acceptance
- Unloading waste
- Manual sorting and separation of waste
- Treatment of waste
- Storing waste
- Loading waste

2.1.2 Treatment shall be consistent with those permitted under Standard Rules SR2008 No.3 and consists of only of manual sorting, separation, screening, baling, shredding, crushing or compaction of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.

2.1.3 Biodegradable kitchen and canteen waste is stored in sealed containers in roofed areas and shall not be stored on site longer than 48 hours unless otherwise agreed in writing with the Environment Agency.

2.1.4 Textile waste is stored in weatherproof textile bins and shall be stored for a maximum of 3 – 5 days.

2.1.5 Batteries are stored in weather-proof battery containers, and WEEE waste is stored in a metal container that is covered when not in use. WEEE and battery waste is stored for a maximum of 1 month.

2.1.6 Clinical waste is stored in lockable lidded bins and maximum storage times will be limited to 1 month, in line with the appropriate measures for cytotoxic and cytostatic drugs and other medicines or drugs.

2.1.7 No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste codes 16 01 03 and 19 12 04) shall be stored at the site.

2.1.8 No more that 10 tonnes of hazardous waste shall be received at the site per day.

2.2 Waste Acceptance

2.2.1 Waste acceptance, rejection and dispatch procedures are detailed in IMS - Duty of Care. Procedures associated with hazardous waste are detailed in IMS – Hazardous Waste.

2.2.2 In addition to the waste acceptance procedures, an evaluation of the incoming waste is undertaken at the weighbridge to ensure effective waste handling and storage management to prevent any potential amenity effects.

2.2.3 Any non-conforming loads will either be rejected from the site and redirected to an appropriate permitted facility or placed in quarantine prior to removal from site. A record will be made in the Site Diary.

2.3 Unloading Waste

2.3.1 Waste deposition will generally be undertaken by those delivering the waste. Site staff will direct and assist drivers as necessary.

2.3.2 Waste delivered to the site in separately collected fractions will be deposited in the appropriate deposition area, bay or container for each waste type.

2.3.3 All areas internal and external to the site which are used by visiting traffic are constructed from impermeable concrete surface so generation of mud on external highways and roads from activities on site is considered to be low risk.

2.3.4 Visiting drivers are required to inspect their vehicles before exiting the transfer station to ensure there is no debris on the wheels, nuts or other parts of the vehicle.

2.4 Waste Storage and Treatment

2.4.1 Wastes are stored with the aim of ensuring that different types of waste accepted are stored separately where possible to ensure they do not contaminate each other, they can be reused more easily and transfer notes can be completed correctly. All wastes delivered and accepted to the site are directed to specific areas for storage (or treatment prior to storage).

2.4.2 All wastes on site are stored safely and securely using suitable designated areas, bays or containers to ensure waste will not escape. Where wastes are stored in containers they are labelled correctly and covers are utilised where possible to prevent litter and rainfall infiltration and the potential for contaminated surface water run-off.

2.4.3 Wastes are stored to ensure there is no mixing of incompatible wastes.

2.4.4 The site has a storage area comprising a series of covered bays and a bale storage area for the storage loose and baled waste.

2.4.5 Mechanical treatment of waste undertaken within the baler building.

2.4.6 A separate covered three-sided building is used for the storage of the sealed food waste storage containers.

2.4.7 Tetrapak and WEEE are stored in separate appropriate metal containers. WEEE waste is covered when not in us

2.4.8 Batteries are stored in weatherproof battery containers.

2.4.9 Textiles are stored in weatherproof textile banks.

2.4.10 Kerbside collected clinical wastes will be stored in dedicated rigid lidded bins.

2.4.11 The site layout plan (Figure 1) details the location of the waste storage bays and containers on site.

2.4.12 The storage method, maximum storage time, maximum volume and maximum height for any waste storage pile is detailed in Appendix B.

2.4.13 No waste types are stored on site for longer than 3 months.

2.4.14 The key control at site to ensure wastes are stored for the minimum timescales is the use of the principle of “first in, first out”. Materials are handled and removed from site in order of receipt therefore ensuring a frequent turnover of materials.

2.4.15 Daily inspections are undertaken at the waste storage areas as set out in Section 3.1. Inspections will include checks for any leaks and spillages and an assessment of pests, odour, dust, litter and noise.

3 MATERIALS STORED IN STOCKPILES

3.1.1 Stockpile sizes are managed via inventory control.

3.1.2 Visual aids are used to ensure stockpile sizes are not exceeded. Bays are provided with a visual marker system demonstrating both the maximum height and depth that materials within a bay must not exceed to ensure the maximum stockpile size (Appendix B) is not exceeded. Bays are then emptied prior to any exceedance of the marker indicators.

3.1.3 Stock rotation is demonstrated via continuous operation and the implementation of a visual system and is fully recorded via the use of weighbridge tickets.

3.2 Quarantine

3.2.1 Staff will carry out ongoing visual inspection of the wastes on delivery. Any non-conforming waste will either be rejected from the site and redirected to an appropriately permitted facility or placed in quarantine prior to removal from site. A load rejection form will be completed in all cases and a record kept in the site diary and the customer informed.

3.2.2 If wastes not permitted by the site permit are discovered amongst a load after deposit, the waste will be isolated to prevent the processing of this waste. The incident and time of discovery will be recorded in the site diary. The waste will be placed in a quarantine area or, if small and removeable, a lockable container. Arrangements will be made for the disposal of such wastes at a suitably permitted disposal facility as soon as practicably possible.

3.2.3 Records will be kept of any rejected or quarantined waste.

3.3 Waste Loading

3.3.1 All wastes stored on site are dispatched by road.

3.3.2 Wastes stored in bulk in the transfer station are primarily dispatched from site after being loaded into articulated lorries (or other large haulage vehicles).

3.3.3 All loose are loaded using the site's loading shovel and baled loads are loaded using a bale clamp.

3.3.4 The removal of materials and waste from the site will be subject to Duty of Care legislation. A record will be kept of:

- Vehicle registration number
- Time of departure
- Type of waste
- Other records (weight and carrier registration)

4 INSPECTION, EMERGENCY PREPAREDNESS & MANAGING NON-CONFORMANCE

4.1 Site Inspections

4.1.1 Daily inspections of the site infrastructure are undertaken in line with SUEZ IMS Procedure - *Site Inspection, Audit & Reporting.* Any required site and equipment maintenance is carried out in line with the site's maintenance plan.

4.1.2 Site inspections are recorded on the Daily/ Weekly QEMS checklist or in accordance with the relevant Vision App SOP.

4.1.3 The daily inspections will include checks for the below key risks:

- Leaks and spillages
- Litter
- Dust/particulate matter
- Odour
- Noise
- Pests
- Fire

4.2 Emergency Preparedness

4.2.1 Emergency preparedness and response measures are set out within SUEZ IMS Procedure - *Emergency Preparedness & Response* including:

- Spillages
- Fire

4.2.2 Detailed procedures for the prevention of fire and emergency measures to be taken in the event of a fire are described fully within the separate site-specific Fire Prevention Plan.

4.2.3 General accident management measures are listed in the Accident Prevention and Management Plan and business continuity measures are listed in the Business Continuity and Contingency Plan.

4.3 Managing Non-Conformance

4.3.1 Procedures for identifying, reporting, investigation and remediation of non-conformances are set out in SUEZ IMS Procedure - *Managing Non-Conformance, Corrective and Preventative Action*.

4.4 Complaints

4.4.1 All complaints are managed in line with SUEZ IMS Procedures Complaints, Managing Non-Conformance, Corrective and Preventative Action, Amenity Control and Monitoring and Amenity Complaints.

4.5 Leaks & Spillages

4.5.1 Any spillages or leaks will be dealt with promptly according to the emergency procedures detailed within IMS Section - *Emergency Preparedness and Response*.

4.6 Site & Equipment Maintenance

4.6.1 The selection process of plant and equipment used on site will ensure that it is fit and suitable for the relevant work activity, can be maintained safely, is CE marked and provided with test certificates where necessary.

4.6.2 All equipment will be inspected, maintained and serviced in accordance with the manufacturer's/ supplier's instructions and any relevant statutory requirements. Maintenance of plant, equipment and infrastructure will be scheduled as necessary, and implemented and recorded on the site-specific Maintenance Planner.

4.6.3 The maintenance schedule will include all items which are critical to environment and industrial risk.

5 EMISSIONS MANAGEMENT AND MONITORING

5.1 Summary

5.1.1 A summary of the potential emissions from the site and type of emission is in the table below:

Emission Type	Fugitive	Channelled
Clean surface water	No	Yes
Contaminated surface water	No	Yes
Litter	Yes	No
Mud and Debris	Yes	No
Dust and Fibres	Yes	No
Odours	Yes	No
Noise and Vibration	Yes	No
Pests	Yes	No

5.1.2 The only channelled emissions from site are clean surface water to the surface water system via an interceptor.

5.2 Surface and Foul Water Management and Monitoring

5.2.1 The entire site operational area is constructed with reinforced concrete of a sufficiently durable construction to withstand the weight of the waste and containers stored at the facility, and the operational vehicles using the facility.

5.2.2 The concrete surface provides an impermeable barrier to protect the underlying ground/groundwater from the transmission of potential contamination by the site activities.

5.2.3 In addition, the drainage system in place ensures that no liquid will run off the surface other than via the system; except where those discharges may otherwise be permitted.

5.2.4 Foul water from the welfare cabin and office flows to a septic tank which is emptied periodically.

5.2.5 The baler building and material storage bays are connected to a leachate tank which is emptied monthly.

5.2.6 Run-off from operational external areas (i.e. where waste vehicle operates and waste is stored in containers) drains to the sites interceptor and attenuation tank.

5.2.7 Clean site surface water flows via an interceptor to the outfall. The interceptor is pumped out on a six-monthly basis.

5.2.8 The integrity of hardstanding/impermeable surfaces and drainage systems will be inspected as a minimum on a weekly basis. Inspections will be recorded on the site inspection checklist.

5.2.9 Solid matter and/or silt accumulating in the drainage infrastructure will be removed as and when required by a suitably experienced and registered waste disposal contractor. As a minimum the site interceptors will be cleaned every 6 months.

5.3 Litter

5.3.1 Wastes with a high risk of litter will be stored and processed within the confines of the buildings or covered storage bays, with the use of netting as necessary to prevent escaping materials.

5.3.2 It will be the responsibility of the site staff to monitor the site for signs of escaping materials either from vehicles delivering or removing materials to and from the site.

5.3.3 Any material escaping from the operational area or adhering to perimeter fencing will be swept or picked up on an ongoing basis. Particular emphasis will be placed on ensuring that material is not allowed to escape onto local highways.

5.3.4 A final inspection around the site at the end of the working day and removal of litter from perimeter fences, access road and operational areas will be part of the site staff's daily routine.

5.3.5 In the event that there is an escape of litter from the confines of the site and into the local environment, it will be the responsibility of the site staff to arrange for litter picking of the affected areas by the end of the working day. The operation or delivery generating the escape of litter will be stopped and any container/stockpile releasing fugitive material will be covered or removed from site immediately.

5.3.6 Any excessive spillage of materials anywhere within the site with the potential to generate fugitive emissions will be dealt with immediately by sweeping of the surface and litter picking if required. Such a spillage and the action taken will be recorded in the site diary.

5.4 Mud and Debris

5.4.1 All attempts will be made to keep the site access roads free from mud and debris. There is limited opportunity for vehicles using the site to collect mud and debris on wheels due to the hard surfacing of the site.

5.4.2 As part of the site operating procedures and those established within the IMS, a maintenance programme will be employed to keep the site clean and tidy at all times. Should any mud or debris be tracked onto the access roads or highway it will be immediately cleaned by site staff.

5.4.3 Operational vehicles will be sheeted (if necessary) on entry and exit from the site. After discharge and prior to leaving the site, vehicles will be checked to ensure that no mud, waste or other materials are likely to be tracked or dropped onto the highway.

5.4.4 Site staff will also make spot checks to ensure compliance. Any vehicle not achieving the required standard of cleanliness will be manually cleaned off before leaving the site.

5.4.5 The access and adjacent public roads will be checked for mud, waste or other materials from the site. Where mud and debris originate from the site activities, then arrangements will be made to ensure it is cleaned up.

5.5 Dust and Fibres

5.5.1 The measures in place to minimise dust/particulate matter escaping beyond the site boundary include:

- Wastes are stored inside a building, or in external storage bays, or in external containers.
- Physical treatment of waste is undertaken within baler building.
- Water mist sprays or manual watering by hose pipe of waste stockpiles as necessary.
- The ongoing maintenance and sweeping of any surfaced roads to ensure they remain free from dust generating materials, in addition to the water spraying of site roads/hardstanding during dry conditions.
- The cleaning of vehicles before leaving site when necessary.

5.5.2 Daily dust inspections will be undertaken as a matter of routine by site staff during the working day. Any incidence of dust problems or complaints will be recorded in the site diary and investigated as necessary. If required, dust monitoring procedures will be instigated and the results reported to the Environment Agency.

5.6 Odour

5.6.1 The site predominately accepts non-biodegradable separately collected recyclable materials that have a low potential for odour impact. The primary potential source of odour at the site is food waste; however, this is delivered to site and stored in sealed containers. Limited amounts of residual waste may also be stored at site.

5.6.2 Under normal operations, putrescible waste is stored for no longer than 48 hours (72 hours over Bank Holiday weekends).

5.6.3 Waste acceptance checks are carried out to ensure particularly odorous wastes are not accepted, and regular checks are made of the facility and waste stockpiles to ensure that odour emissions are not occurring.

5.6.4 If particularly odorous wastes are identified at any stage, they will be prioritised for removal from site.

5.6.5 Regular housekeeping is undertaken at the site to prevent build-up of materials which may give rise to odour.

5.6.6 Routine olfactory monitoring will be undertaken daily by an appointed person to detect any odours that may have the potential to migrate beyond the site boundary. Monitoring will be undertaken by site operatives during waste handling operations.

5.6.7 Odour checks will also be undertaken by site management in accordance with the daily and weekly checklist. The records of the daily and weekly checks are kept on site.

5.6.8 Any identified odour issues or complaints will be recorded in accordance with IMS procedures on non-conformance and amenity complaints.

5.7 Noise and Vibration

5.7.1 The site staff will ensure that the delivery, treatment and loading of waste takes place in a controlled manner so that noise generation is kept to a minimum.

5.7.2 Increases in plant noise are often indicative of future mechanical failure, as such all relevant plant will be regularly and effectively maintained by trained personnel in accordance with the maintenance plan. This will reduce the risk of mechanical failure and therefore any possible noise increase.

5.7.3 The qualitative monitoring of noise levels generated by the operation will be carried out on a daily basis by the site staff and will be recorded as required by IMS procedures. Additional monitoring will be undertaken on a risk-based approach.

5.8 Pests

5.8.1 The management procedures in place to mitigate the risk posed by pests include:

- Minimise storage times for materials likely to attract pests and vermin
- Rapid turnaround of biodegradable wastes

5.8.2 Site staff will undertake continuous monitoring as part of daily operations, and an appointed person will undertake an inspection on a weekly basis.

5.8.3 In addition to the continuous monitoring by site staff, a specialist contractor will periodically attend site and in response to any specific incidence of pests, to ensure eradication.

6 STAFF COMPETENCY & TRAINING

6.1 Summary

6.1.1 All sites operating under an environmental permit are required to ensure sufficient staff and resources are available to operate the site effectively and in compliance with the Permit/Integrated Management System.

6.1.2 All sites are required to ensure:

- all relevant tasks are undertaken by competent personnel.
- appropriate records of education, training, skills and experience are held.
- all personnel performing work on behalf of SUEZ are aware of the SUEZ Integrated Management System (IMS) policies and procedures.

6.2 Staff Competence & Training

6.2.1 All new and existing personnel are adequately trained to perform the tasks assigned to them, preventing potential environmental or personal harm.

6.2.2 The following table details the roles undertaken on site, with primary and secondary responsibilities listed.

Tasks	Primary Responsibility – Role	Secondary Responsibility - Role
Waste Acceptance		
Manning weighbridge system - vehicles in and out	Weighbridge Operator	Site Supervisor
Receiving Duty of Care	Weighbridge Operator	Site Supervisor
Checking of EWC codes	Weighbridge Operator	Site Supervisor
Waste acceptance checks	Weighbridge Operator / Mobile Plant Operatives	Site Supervisor
Waste spot inspections	Site Operatives / Weighbridge Operator / Mobile Plant Operatives	Site Supervisor
Waste Storage		
Daily plant cleaning	Site Operatives / Mobile Plant Operatives	Site Supervisor
Cleaning of reception hall	Site Operatives	Site Supervisor
Daily plant checks	Mobile Plant Operatives	Site Supervisor

Tasks	Primary Responsibility – Role	Secondary Responsibility - Role
Site Inspections	Site Supervisor / Responsible & Competent Person	Site Manager
QEMS checks	Site Supervisor / Responsible Competent Person	Site Manager
Supervisor checks	Site Supervisor	Site Manager
Managers monthly checks	Site Manager	Operations Manager
WEEE checks	Site Operatives / Mobile Plant Operatives	Site Supervisor
Hazardous waste checks	Site Operatives / Mobile Plant Operatives	Site Supervisor
Liquids checks	Site Operatives / Mobile Plant Operatives	Site Supervisor
Waste Processing		
Arrange haulage for waste to be removed from site	Site Supervisor	Site Manager
Operating mobile plant to move & load waste materials	Mobile Plant Operatives	Site Supervisor
Mobile plant checks	Mobile Plant Operatives	Site Supervisor
Fixed Plant Checks	Mobile Plant Operatives	Site Supervisor
Maintenance		
Liaise with door contractor	Site Supervisor	Site Manager
Arranging proactive and reactive maintenance	Site Supervisor	Site Manager
Baler quality checks	Site Supervisor	Site Manager
Arrange for fuel and chemical deliveries	Site Supervisor	Site Manager
Monitoring		
Managing surface water	Site Operatives / Mobile Plant Operatives	Site Supervisor
Amenity Checks		
Liaise with pest control	Site Supervisor	Site Manager
Liaise with fogging	Site Operatives/ Mobile Plant Operatives	Site Supervisor

Tasks	Primary Responsibility – Role	Secondary Responsibility - Role
Litter picking internal and external where required	Site Operatives / Mobile Plant Operatives	Site Supervisor
Odour checks	Site Operatives / Mobile Plant Operatives	Site Supervisor
Daily site cleaning	Site Operatives / Mobile Plant Operatives	Site Supervisor
Noise checks	Site Operatives / Mobile Plant Operatives	Site Supervisor
Reporting		
Waste returns	Site Manager	Operations Manager
Reportable breaches	Site Manager	Operations Manager / EIR Manager
Procedure updates	Site Manager	Operations Manager

6.2.3 Records of the Technically Competent Manager (TCM) attendance for the site are recorded and available for inspection as necessary.

6.2.4 The procedures used to ensure appropriate training (initial and refresher) and/or qualifications and associated records of training staff and contractors are detailed within the following sections of the IMS:

- Training, Awareness and Competence

7 RESIDUES MANAGEMENT

7.1 Summary

7.1.1 The residues management plan aims to:

- Minimise the generation of residues (waste arising from the ancillary activities to the permitted waste operation, e.g. office operation)
- Optimises the reuse, regeneration, recycling, or energy recovery of residues, including packaging
- Ensures the proper disposal of residues where recovery is technically or economically impractical

7.1.2 All wastes generated by the site are managed in line with the waste hierarchy.

7.1.3 SUEZ look to move materials up the waste hierarchy wherever possible and have processes on site to facilitate this (waste sorting, other treatment etc).

7.1.4 SUEZ look to ensure that waste generated by ancillary activities (office etc) is reduced as much as possible. Where this is produced, it is managed in line with the waste hierarchy.

8 DECOMMISSIONING PLAN

8.1 Plant & Equipment Decommissioning

8.1.1 There are currently no identified long term non-productive or redundant items on site that require decommissioning or removal.

8.1.2 During the operational life of the facility, equipment may no longer be required or will reach the end of its useful life. Any such equipment will be deinstalled (as necessary) by suitably qualified personnel and disposed of appropriately. Where possible equipment will be repaired or reused.

8.2 Site Decommissioning

8.2.1 The actions detailed in the table below will be undertaken on cessation of waste processing activities prior to the surrender of the Environmental Permit.

Item	Action
Waste materials	All waste materials will be removed from site. Any hazardous wastes (oils, batteries, WEEE etc.) will be suitably consigned.
Drains / Gullies	All drains will be checked to ensure that they are clear and free flowing. Any blockages will be removed.
Interceptors	Interceptors will be cleaned and all silt removed for suitable processing / disposal off site.

Item	Action
Plant and Equipment	All waste processing related plant and equipment will be removed. Any items suitable for repair or reuse will be identified as part of this process. Electricity supplies will be made safe.
Weighbridge	The weighbridge pits will be cleaned and all debris removed from site.
Mobile Plant	All mobile plant will be removed from site.
Building	The inside of the building will be cleaned to remove any remaining waste. High level areas will be cleared of any accumulated dust.
Outside areas / perimeter fencing	Any wastes stored externally, as well as redundant equipment and storage containers will be removed from site. The impermeable surface will be swept with a mechanical sweeper and any debris along the site boundary cleared.

8.2.2 The site condition report will be updated to support any application to surrender the Environmental Permit. This will contain a written description of the activities that have been undertaken along with photographs to show that the actions detailed in the table above have been completed to the necessary standard.

FIGURES

Figure 1 - Site Layout Plan and Permit Boundary

Industrial Park

N

CHEMICAL STORAGE

BALER BUILDING

COVERED STORAGE BAYS

COVERED STORAGE BAYS

GLASS BAY

GLASS BAY

COVERED FOOD AND BALE STORAGE

FOOD

FUEL TANK

18.2m

12.7m

6m

TETRAPAK STORAGE CONTAINER

TEXTILE BANKS

Mast

BATTERY BOXES

CLINICAL WASTE STORAGE

WEEE STORAGE CONTAINER

Drain

M5

HGV ONLY

ENTRANCE/EXIT

WB OFFICE

OFFICE AND WELFARE

STAFF/VISITORS CAR PARKING (16)

MOTORCYCLE / BICYCLE PARKING

BAY No.	WASTE TYPE
1	PAPER
2	PAPER
3	TETRAPAK CONTAINERS
4	CARD
5	CARD
6	CARD
7	MIXED CANS & PLASTICS
8	MIXED CANS & PLASTICS

0 5 10 15 20m 30 40 50

Metres
1:500

Notes

1. Reproduced from the Ordnance Survey Map with the permission of the Controller of Her Majesty's Stationary Office, Crown Copyright, Licence Number 100004910.

- Permit Boundary
- Quarantine Area
- Quarantine Area Offset
- Fire Walls
- Chemsafe Store

- Fire Extinguisher
- Fire Hose
- Alarm Call point
- Assembly Point
- No Smoking Area
- Proposed Smoking Area

suez

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Site: Taunton Depot

Title: Permit Boundary Plan
Site Layout

Scale: 1:500 @ A3

Date: May 2024

Drawing Ref: Ttn-PER-0524-01

Drawn by: JA

Checked by: KH

Rev	subject	date
A	Permit Boundary Amended	Apr 2021
B	MRF Plant Added & Baay Dimensions Added	Oct 2021

APPENDICES

Appendix A – Permitted Waste Types

Recycling and recovery UK

Taunton Depot Transfer Station

Permitted Waste Types

Waste Code	Description
1	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from physical and chemical processing of metalliferous minerals
01 03 06	tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 11	wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
2	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 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 03	materials unsuitable for consumption or processing
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 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 05	wastes from the dairy products industry

Waste Code	Description
02 05 01	materials unsuitable for consumption or processing
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 04	materials unsuitable for consumption or processing
3	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
03 03 10	Fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
4	WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES
04 01	Wastes from the leather and fur industry
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
6	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 09	wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	wastes from the manufacture of inorganic pigments and opacificiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
7	WASTES FROM ORGANIC CHEMICAL PROCESSES

Waste Code	Description
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
9	WASTES FROM THE PHOTOGRAPHIC INDUSTRY
09 01	wastes from the photographic industry
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
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	WASTES FROM THERMAL PROCESSES
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 24	sands from fluidised beds
10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
10 02 02	unprocessed slag
10 02 08	solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	mill scales
10 02 14	filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other filter cakes
10 03	wastes from aluminium thermal metallurgy
10 03 02	anode scraps
10 03 05	waste alumina
10 03 16	skimmings other than those mentioned in 10 03 15
10 03 18	carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29

Waste Code	Description
10 04	wastes from lead thermal metallurgy
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	wastes from zinc thermal metallurgy
10 05 01	slags from primary and secondary production
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	slags from primary and secondary production
10 06 02	dross and skimmings from primary and secondary production
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 05	filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
10 08 09	other slags
10 08 11	dross and skimmings other than those mentioned in 10 08 10
10 08 13	carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	anode scrap
10 08 18	filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 14	waste binders other than those mentioned in 10 09 13
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05

Waste Code	Description
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 14	waste binders other than those mentioned in 10 10 13
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
10 11	wastes from manufacture of glass and glass products
10 11 03	waste glass-based fibrous materials
10 11 10	waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	waste glass other than those mentioned in 10 11 11
10 11 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 05	filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10.12 09
10 12 12	wastes from glazing other than those mentioned in 10.12.11
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 07	filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO METALLURGY
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)
11 01 10	filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes

Waste Code	Description
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
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 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing
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 03	end-of-life tyres
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

Waste Code	Description
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 06	batteries and accumulators
16 06 01*	lead batteries
16 06 02*	Ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc

Waste Code	Description
17 04 05	iron and steel
17 04 06	Tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
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 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
18 01 08*	cytotoxic and cytostatic medicines
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
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 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes

Waste Code	Description
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	off-specification compost
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	Glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	minerals (for example sand, stones)
19 12 10	combustible waste (refuse derived fuel)
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
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 08	biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 21*	fluorescent tubes and other mercury-containing waste
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
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)

Waste Code	Description
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

Appendix B – Waste Storage Details

Taunton Depot – Waste Storage Details

Waste Type	Form	Storage Detail	Quantity Stored at any One Time (Volume - Tonnes)	Maximum Storage Time on Site	Location within Site	Bay Dimensions and Approximate Volume of Waste Pile
Mixed plastics, ferrous and non-ferrous	Loose from Household	In 2 x separate bays with concrete surfacing and walls	2 x 180m^3 (2 x 12t)	48 hours or 72 hours over a bank holiday	Enclosed storage bay	Bay 1: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3** Bay 2: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3**
Hard mixed paper	Loose from Household	In 2 x separate bays with concrete surfacing and walls	2 x 180m^3 (2 x 29t)	48 hours or 72 hours over a bank holiday	Enclosed storage bay	Bay 1: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3** Bay 2: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3**
Paper (news and pamphlets)	Loose from Household	In 2 x separate bays with concrete surfacing and walls	2 x 180m^3 (2 x 100t)	3 – 5 days	Enclosed storage bay	Bay 1: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3** Bay 2: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3**
(Non – combustible) Glass bottles and jars	Loose from Household	In 2 x separate bays with concrete surfacing and walls	2 x 180m^3 (2 x 100t)	48 hours or 72 hours over a bank holiday	Enclosed storage bay	Bay 1: 10m (W) x 12m (L) x 5m (H) (Minus 1m for max stockpile height 50% capacity) Approximate non-combustible stockpile volume **240m^3** Bay 2: 8m (W) x 12m (L) x 5m (H) (Minus 1m for max stockpile height 50% capacity) Approximate non-combustible stockpile volume **240m^3**
Residual (black bag) waste	Bagged	In separate bay with concrete surfacing and walls	180m^3 (70t)	48 hours or 72 hours over a bank holiday	Enclosed storage bay	Bay: 6m (W) x 10m (L) x 5m (H) (Minus 1m for max stockpile height and 75% capacity) Approximate stockpile volume **180m^3**
Food waste	Loose from Household	In 6 x 20m^3 covered skips, which are also under cover	6 x 20m^3 (6 x 10t)	48 hours or 72 hours over a bank holiday	In designated covered bale storage area as shown on site plan	20m^3 covered metal skip
Household batteries	Loose from Household	Secure battery boxes	2t	1 month	External area as shown on site plan	Battery container
WEEE	Loose from Household	Metal container	5t	1 month	External area as shown on site plan	Metal container

Waste Type	Form	Storage Detail	Quantity Stored at any One Time (Volume - Tonnes)	Maximum Storage Time on Site	Location within Site	Bay Dimensions and Approximate Volume of Waste Pile
Textiles	Loose from Household	In 4 x 10m^3 textile banks	6t	3 – 5 days	External area as shown on site plan	10m^3 textile bank container
Clinical Waste (from kerbside collection only)	In containers from household	1 x 180 litre plastic lidded wheelie bins	<1t	Up to one month (although time will be less than this under normal operating conditions)	External area as shown on site plan	180 litre plastic lidded wheelie bins
Mixed plastics	Baled	In designated storage areas with concrete surfacing and separated from the processing plant	60t	One week (in exceptional market circumstances it may be stored for longer than this)	In designated covered bale storage area as shown on site plan	Baled waste in stockpiles – maximum 4m high, 20m width/length and in stockpiles of no more than **180m^3**.
Non-ferrous	Baled	In designated storage areas with concrete surfacing and separated from the processing plant	66t	Up to one month (although time will be less than this under normal operating conditions)	In designated bale storage area as shown on site plan	Baled waste in stockpiles – maximum 4m high, 20m width/length and in stockpiles of no more than **180m^3**.
Ferrous	Baled	In designated storage areas with concrete surfacing and separated from the processing plant	88t	Up to one month (although time will be less than this under normal operating conditions)	In designated bale storage area as shown on site plan	Baled waste in stockpiles – maximum 4m high, 20m width/length and in stockpiles of no more than **180m^3**.
Cardboard	Baled	In designated storage areas with concrete surfacing and separated from the processing plant	75t	2 - 3 days (in exceptional market circumstances it may be stored for longer than this)	In designated bale storage area as shown on site plan	Baled waste in stockpiles – maximum 4m high, 20m width/length and in stockpiles of no more than **180m^3**.