

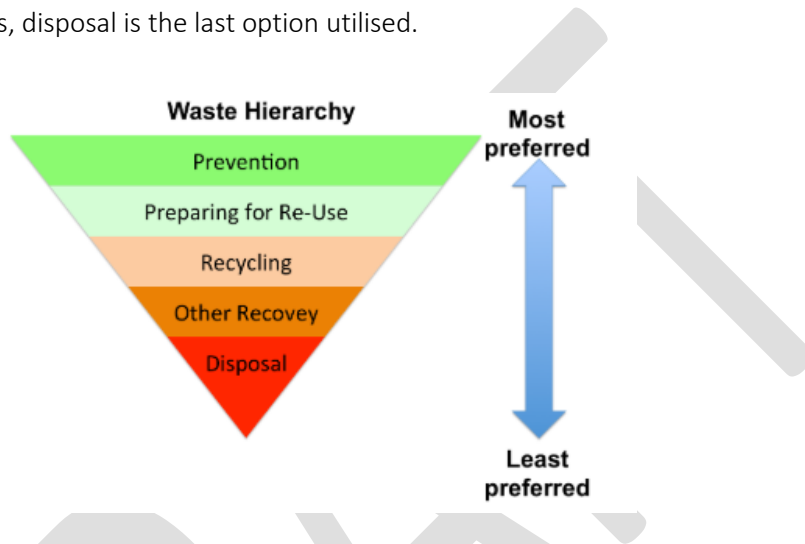
Off Site Waste Transfers

GR-E04

Overview

This procedure provides the necessary information to enable the assessment and off site transfer of waste streams produced by the Graphite Resources Facility.

Graphite Resources actively applies the waste hierarchy as outlined below in all operations where possible. In all cases, disposal is the last option utilised.



The purpose of the facility is to divert wastes that may otherwise have gone to landfill and treat it for re-use as either recyclable materials in itself or as a fuel.

1. Off Site Waste Transfers

Typical materials that are likely to be transferred from the Graphite Resources site on a regular basis include (but are not limited to) the following:

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Table 1: Table of Transferred Wastes

| Waste Type | EWC Code | Source | Site Management | Disposal Route |
|--|----------------------|-------------------------|---|--|
| Metals | 19 12 02 19 12 03 | Metal Separation Unit | Stored in designated skips | Recycled |
| Processed Clinical Wastes | 18 01 04 18 02 03 | Autoclaves | Stored within dedicated fuel bunker | Utilised as a fuel for the pyrolysis units |
| Char | 19 04 01 | Pyrolysis units | Sealed char container | Transferred offsite for recycling as aggregate |
| Inert Materials | Various | Zig zag separator | Stored in designated skip | Transferred offsite for recovery / disposal |
| Scrubber wastes | 19 01 05* | Gas scrubber | Holding tank | Transferred offsite for recovery / disposal |
| Leachate | 19 07 03 | Reception hall | External holding tank | Transferred offsite for treatment |
| Process Effluent | 19 05 99 | Autoclaves and bin wash | Stored in a holding tank | Transferred offsite for treatment |
| Mixed General Waste (non-hazardous) | 19 12 12 | Site offices | Stored in segregated waste bins prior to offsite disposal | Transferred offsite for recovery / disposal |
| Miscellaneous Hazardous wastes e.g. oily rags / hydraulic oils | TBC | Maintenance / Workshop | Dedicated suitable labelled containers | Transfer offsite for recovery / disposal |

All of the above materials are classified as wastes in accordance with The List of Wastes (LOW) Regulations 2005, which transpose the European Waste Catalogue (EWC) into domestic legislation and provide codes for all hazardous and non-hazardous wastes.

All wastes being transferred off site must be consigned to an appropriately qualified carrier. This is legal under the Environmental Protection Act S34 and of the Environmental Protection (Duty of Care Regulations) 1991.

Prior to the offsite transfer of any wastes to a third party a check should be made to ensure that the carrier is appropriately licensed. The link to the national database is provided below:

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(<https://www.gov.uk/access-the-public-register-for-environmental-information>).

Each consignment should be accompanied with an appropriately completed Waste Transfer Note. An example is provided in Annex A below.

The following details will be recorded for each individual load transferred from on site:-

- Date and time of transfer of the load;
- Details and description of the vehicle accepting the waste, the driver's name, and the operator of the vehicle; and
- A description of the waste including type, EWC code and quantity.

The Operations Manager holds the responsibility for the correct description of all consigned wastes from site.

It is the responsibility of the site personnel to correctly log and record any waste transfers from site, ensure that the Carrier is appropriately licensed and that all relevant information is recorded.

All waste transfers should be recorded in the site diary by the Operations Manager. Copies of Waste Transfer Notes are kept for a minimum of 2 years if non-hazardous and 3 years if hazardous.

2. Waste Storage Onsite

Incoming and outgoing wastes are stored onsite in the following areas:

| Table 2: Location of Wastes Onsite | | | |
|------------------------------------|------------------|--------------------|-----------------------------|
| Bay Reference | Location | Volume | Waste Type |
| Interim Store 1 | Reception Hall | 99m ³ | Shredded Clinical Waste |
| Interim Store 2 | Reception Hall | 99m ³ | Shredded Clinical Waste |
| Metering Bin 1 | Mezzanine | 18.7m ³ | Processed Medical Waste |
| Metering Bin 2 | Mezzanine | 18.7m ³ | Processed Medical Waste |
| Fuel Bunker A | Process Building | 900m ³ | Dry Processed Medical Waste |
| Fuel Bunker B | Process Building | 900m ³ | Dry Processed Medical Waste |
| Fuel Bunker C | Process Building | 900m ³ | Dry Processed Medical Waste |
| Ferrous Metal Skip | Process Building | | Ferrous metal |

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| | | | |
|------------------------|------------------|------------------|---|
| Non-ferrous Metal Skip | Process Building | | Non-ferrous metal |
| Inert Skip | Process Building | | Inert and heavies including glass, ceramics etc |
| Char Silo | External | 60m ³ | Char |

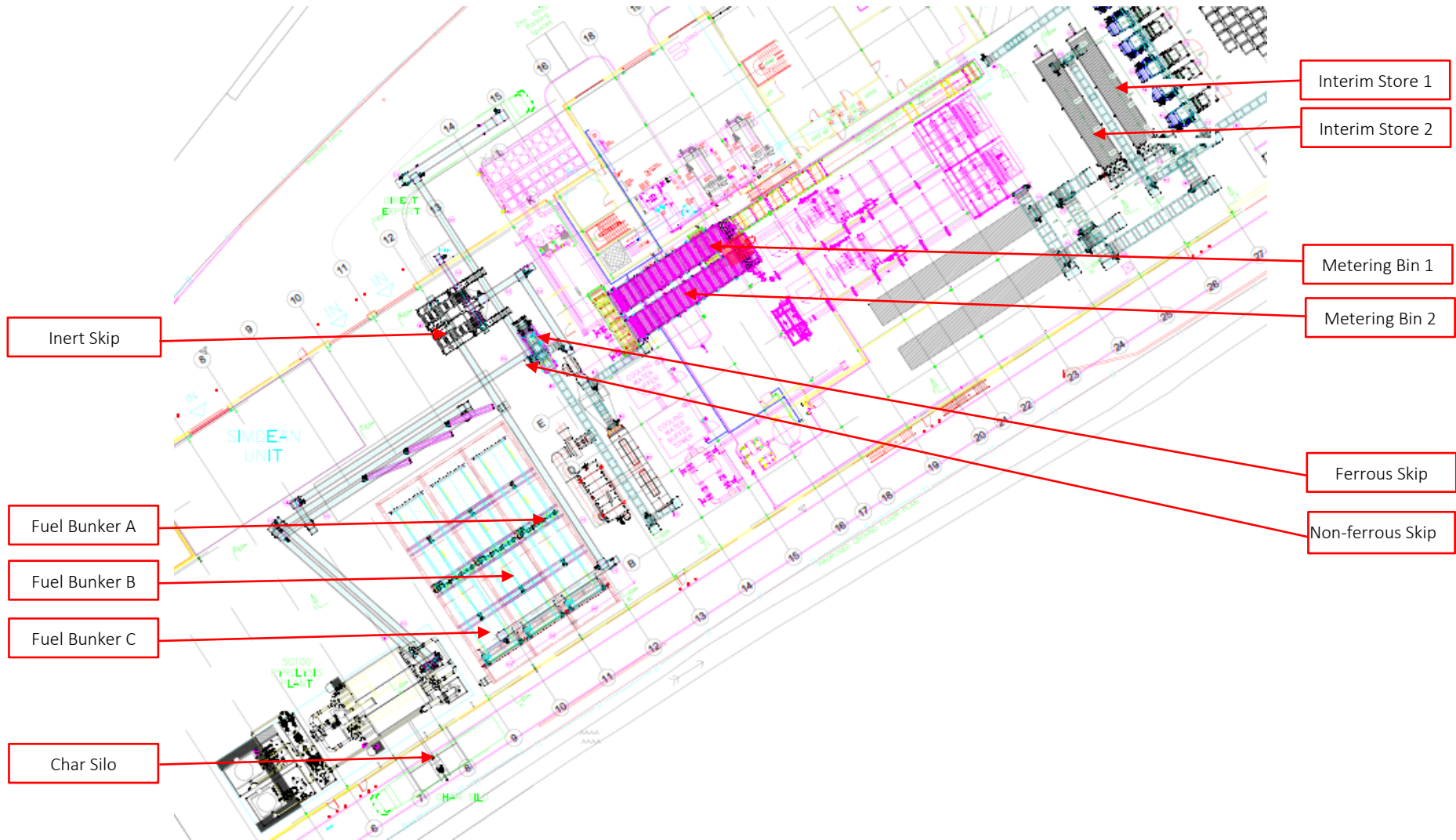
These locations are shown on the site plan overleaf.

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|---|------------------------------------|
| Author / Function or Department: | Process Owner / Department: |
| | Operations Manager |

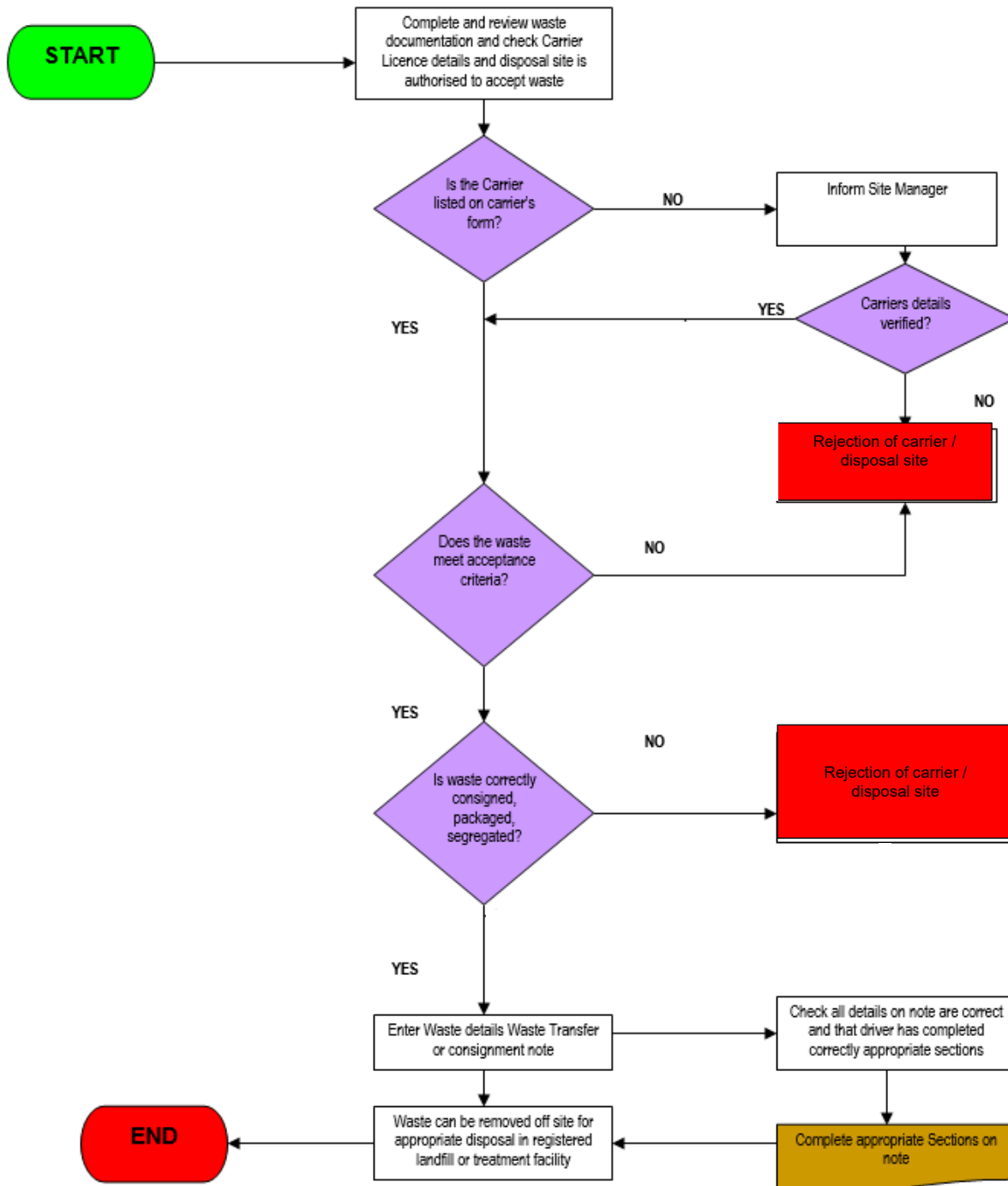
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Off Site Waste Transfers



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3. Flow Chart: GR-E04 Off Site Waste Transfers



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|----------------------------------|---|
| Author / Function or Department: | Process Owner / Department: Operations Manager |
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4. Training Record

The below signatories have received training and understand all aspects of procedure GR-E04.

Table 3: Training

| PRINT EMPLOYEE NAME | EMPLOYEE SIGNATURE | DATE | MANAGER INITIALS | UN-CONTROLLED COPY ISSUED (✓) |
|---------------------|--------------------|------|------------------|-------------------------------|
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Off Site Waste Transfers



ANNEX A: Example Waste Transfer Duty of Care Note

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Off Site Waste Transfers



Calfox Group
Tickton Hall
Tickton
Beverley
HU17 9RX
01964 544877

Graphite Resources COMPLETED WEIGHING TICKET/DUTY OF CARE TRANSFER NOTE

Waste/Account Incoming

Facility
Graphite Resources
Derwenthaugh, Eco Park
Blaydon
Gateshead
Tyne & Wear, NE16 3BJ
Tel Nbr: 01964 544877 Fax:
Permit Nbr: EPR/KB3939RR

Customer
Details

Ticket Number : 1 Trans Date: 21/3/2019

Order Nbr:

Vehicle Reg

Vehicle Type

Discharge Point:

Haulier

Origin/Destination

Waste Carrier
Licence Nbr:

EWC Code

Issuing Authority
& Expiry Date

Product Code/Desc

| WEIGHTS | | DATE | TIME | TALLY No |
|---------|----------|-----------|-------|----------|
| 0 kg | GROSS | 21/3/2019 | 10:39 | Manual |
| 0 kg | TARE | | | |
| 0 kg | NETT | | | |
| 0 | QUANTITY | | | |

Notes:

Operators Name

OPERATOR'S SIGNATURE

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the Waste (England and Wales) Regulations 2011

DRIVER'S INITIALS
AND SURNAME

DRIVER'S SIGNATURE

SUBJECT TO GRAPHITE RESOURCES TERMS & CONDITIONS OF BUSINESS AS SHOWN OVERLEAF
REGISTERED IN ENGLAND AND WALES No. 04765743

A record of the weights used for this transaction is available for six months

Author / Function or Department:

Process Owner / Department:
Operations Manager