1 General

1.1 This document sets out the suitability criteria for acceptance of material into the Zig Zag Quarry Deposit for Recovery Site. These waste acceptance procedures have been developed taking into account current UK Government guidance on disposing waste to landfill[1].

2 Management Responsibilities

2.1 BT Jenkins Limited (BTJ or "the Operator") is responsible for the management of the Environmental Permit (Ref: EPR/HB3705XG).

3. Acceptable Waste (Disposal)

3.1 Only wastes meeting the following classification are to be imported to Site.:

- not hazardous (as set out in current technical guidance on the classification of wastes[2]);
- meeting the waste codes set out in **Table 1** below; and
- meeting the definition of inert waste as set out in Council Decision 2003/33/EC.
- no peat is to be imported to Site
- topsoil is to be accepted for restoration purposes only

Description of Activities	Limits of Activities
01	**Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals.**
01 04	**Wastes from physical and chemical processing of 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
17	**Construction and demolition wastes (including excavated soil from contaminated sites)**
17 05	**Soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones including chalk other than those mentioned in 17 05 03 – excluding peat and excavated soil from contaminated sites.
Notes: • Wastes having any of the following characteristics shall not be accepted: o Consisting solely or mainly of dusts, powders or loose fibres. o Hazardous wastes. o Wastes in liquid form.	

Table 1: Acceptable Waste Codes

3.2 In addition, wastes shall only be accepted for deposit for recovery if:

- they are not liquid waste (including waste waters but excluding sludge);
- all the relevant waste acceptance procedures have been completed;
- they fulfil the relevant waste acceptance criteria;
- they have not been diluted or mixed solely to meet the relevant waste acceptance criteria; and

[1] https://www.gov.uk/guidance/dispose-of-waste-to-landfill [Accessed 02 September 2024]
[2] Environment Agency (October 2021) Guidance on the Classification and Assessment of Waste WM3 Version 1.2GB.

- they are wastes which have been treated, except for wastes for which treatment is technically feasible.

3.3 Inert waste is waste that *"does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and not endanger the quality of surface water or groundwater."*

3.4 Chemical analysis data is to be obtained for all Sites and provided for review by the Operator to confirm that the material meets the definition of not hazardous (as per WM3[2]) and, apart from topsoil, meets the waste acceptance criteria (WAC) for Zig Zag Quarry as set out in **Table 2** below:

3.5 The exception to the above is where robust evidence is available that the material is from a greenfield Site (material deemed to be inert without the need for testing, Council Decision 2003/33/EC). Evidence of the Site's greenfield status must be provided to the Operator for review.

Component	Zig Zag Quarry Limit Value (mg/kg)
Limit Values for Total Content of Organic Parameters (Solid Waste Analysis)	
Total Organic Carbon	30,000 (3%)
BTEX (Benzene, Toluene, Ethylbenzene, Xylene)	6
Polychlorinated Biphenyls (7 Congeners)	1
Mineral Oil (C_{10} to C_{40})	500
Polycyclic Aromatic Hydrocarbons	100
Eluate Analysis Limit values for Compliance Leaching Test using BS EN 12457-2 at L/S 10 l/kg	
Arsenic	0.5
Barium	20
Cadmium	0.04
Chromium	0.5
Copper	2
Mercury	0.01
Molybdenum	0.5
Nickel	0.4
Lead	0.25*
Antimony	0.09*
Selenium	0.1
Zinc	4
Chloride	800
Fluoride	10
Sulphate as SO_4	1,000
Total Dissolved Solids	4,000
Phenol	1
Dissolved Organic Carbon	500
Notes: * Denotes deviation from inert waste landfill limits as set out in Council Decision 2003/33/EC. For lead, this is only applicable to brownfield source sites.	

Table 2: Zig Zag Quarry Acceptance Criteria Limits

4. Waste Acceptance Procedures

4.1 All waste is pre-assessed to confirm it is appropriately characterised and suitable for disposal at the Site. A three-stage process is adopted as set out below:

Level 1 – Basic Characterisation

4.2 Producers of the waste must provide:

- details of the waste producer including their organisation name, address and contact details;
- a description of the waste including smell, colour and physical form;
- the source and origin of the waste;
- previous use of the site;
- details of any treatment used to remove unsuitable waste;
- results of any waste tests carried out including leaching behaviour
- the European Waste Catalogue (EWC) code; and
- if necessary, additional precautions to be taken at the landfill.

4.3 The above details are to be included on a Waste Information Form (copy attached) a copy of which is to be retained at the BTJ's Head Office.

4.4 Chemical analysis data for waste material from all Sites other than greenfield is to be undertaken to assess the suitability for the importation to the Zig Zag Quarry.

4.5 Testing to be conducted with reference to WM3[2] to confirm that the material is not hazardous; for Zig Zag Quarry testing of material from non-greenfield sites to be conducted on the basis of a target ratio of 1 sample per 200 tonnes material for the first 1,000 tonnes, decreasing thereafter with reference to the table on UK Government guidance[1] depending on data consistency. Testing suite to be developed based on history of source site, however minimum testing to include PAHs, TPH or EPH, metals and asbestos screen. In addition, WAC testing to be undertaken on representative samples (target ratio 1 sample per 500 tonnes material for first 2,000 tonnes, decreasing thereafter consistent with reduction in total soils analysis depending on data consistency) to confirm suitable for disposal at Zig Zag Quarry.

4.6 Although Level 1 testing requirements are the responsibility of the waste producer, this may be arranged on their behalf by the Operator or a Third Party. Notwithstanding this compliance with the Level 1 testing requirements is ultimately the responsibility of the waste producer. Suitability of all source sites will be confirmed by the Operator prior to import following review of chemical analysis.

Level 2 – Compliance Testing (Regularly Generated Wastes)

4.7 Level 2 Compliance Testing is the responsibility of the Waste Producer and is to be carried out at the site of origin.

4.8 The Waste Producer may elect to conduct Level 2 Compliance Testing on regularly generated wastes based on a full basic characterisation of the waste.

4.9 The rate and scope of Level 2 Compliance Testing is to be agreed with the Operator, however as a minimum is to comprise 1No. sample annually assuming the waste is homogenous, increasing to a minimum of 3No. samples annually for heterogeneous wastes. As a minimum Level 2 Compliance Testing will be conducted to a targeted suite (as per paragraph 4.5 above).

Level 3 – On-Site Verification

4.10 Level 3 Verification Testing is the responsibility of the Operator. Upon receipt at the Site, waste will be visually inspected to confirm it matches the written description of the waste and Compliance Testing data, as described on the WIF. Photographs will be taken, and vehicles received will be recorded on daily record sheets.

4.11 Paperwork that accompanies the waste is to be reviewed to confirm that it includes:

- a written description of the waste;
- the basic characterisation; and
- the results of any basic characterisation or compliance testing, where appropriate.

4.12 Any soil deemed unsuitable will be refused. If tipped such material will be quarantined awaiting collection and disposal elsewhere in accordance with relevant waste regulations.

4.13 Random verification testing of the imported material will be conducted by the Operator to confirm suitability in accordance with the criteria specified. This is to include random audits of source Sites. The rate and scope of Level 3 Verification Testing is, as a minimum, to comprise 1No. sample annually assuming the waste is homogenous, increasing to a minimum of 3No. samples annually for heterogeneous wastes. As a minimum Level 3 Verification Testing will be conducted to a targeted suite (as per paragraph 4.5 above).

4.14 Verification testing will also be undertaken on materials for which there may be doubt regarding their EWC classification and/or inert status. Testing will comprise of appropriate parameters to interrogate and allow this doubt to be resolved.

4.15 Details of all audits and verification testing to be retained at the Operator's Head Office.

5 Rejected Wastes

5.1 No weighbridge is to be used on-Site. Instead, drivers are required to hand their Duty of Care paperwork to the Operator when passing the Site Office, at which point inspections for unauthorised / non-conforming wastes will be undertaken prior to deposit on-Site

5.2 The Operator may reject waste for any reason, including on the grounds of potential to jeopardise waste stabilisation systems and/or environmental protection systems.

5.3 In the event non-conforming wastes are identified, either during pre-deposition checks at the Site office or further visual inspections following deposition, these are returned to the source site or quarantined at the Site until agreement is reached with the owner of the source site as to how the non-compliant materials are to be managed and disposed of. No material is to be stored in the quarantine area for more than one month.

6 Record Keeping

6.1 At this stage, the Zig Zag Quarry intends to use a paper-based Waste Transfer Note system, as opposed to Electronic Duty of Care (eEDOC). A copy of the Waste Transfer Note is to be provided to the Operator on-Site as part of the Level 3 Verification procedures prior to deposition of waste.

7.2 Appropriate duty of care paperwork is maintained for a minimum of two years. All records are stored off-Site at BTJ's Head Office.

7.3 The Operator is to maintain full records of all material imported to the Site along with results of all random verification testing and auditing undertaken. Records are to be maintained for a minimum of two years post-surrender of the Environmental Permit.

WASTE INFORMATION FORM

SECTION 1 – Customer Details [To be Completed by Customer]			
Customer Name:		**Customer Contact:**	
Registered Company Address:		**Company Head Office (if different to above):**	
Customer Telephone Number:		**Account Contact Name:**	
Customer Email:		**Account Contact Email:**	

SECTION 2 – Site Details [To be Completed by Customer]			
Producing Site Name:		**Site Address**	
Site Contact Name:		**Site Telephone Number:**	

SECTION 3 – Waste Details [To be Completed by Customer]

For the purposes of this Waste Information Form, a greenfield site comprises land that has not been historically developed (e.g. agricultural land or open space). Residential gardens are not considered to comprise "greenfield". For Greenfield Sites evidence must be provided (e.g. Historical Maps). For non-Greenfield Sites, chemical testing / ground investigation reports required.

Is Source Site Greenfield (please circle / delete as appropriate)?	Yes	No

Description of Waste & EWC Code (if known)			
Anticipated Mass of Waste (Tonnes):			
Supporting Document(s) Provided:			
Waste Reduction / Treatment Measures Implemented (please circle / delete as appropriate)?	**Selected Excavation / Controlled Dig**	Yes	No
	Stockpiling / Material Segregation	Yes	No
	Other (Please provide details):		
Any Other Characteristics (e.g. Site Specific / Material Information)			
Preferred Commencement Disposal Date:			

SECTION 4 – Authorisation [To be Completed by Customer]

I confirm that the information above and associated supporting documents are a correct and accurate representation of the waste and I am aware, as the waste producer, of the producers responsibility to correctly characterise and classify waste. Should the waste change in any way BT Jenkins Ltd is to be informed immediately prior to removal of the waste from the source site.

Signature:		**Role:**	
Name:		**Date:**	

SECTION 5 – Approval [To be Completed by BT Jenkins Ltd]

No material is to be deposited at Zig Zag Quarry unless a signed copy of this Waste Information Form is returned to the Customer by BT Jenkins Ltd.

Signature:		**Role:**	
Name:		**Date:**	