


**APPENDIX L**  
**WASTE ACCEPTANCE PROCEDURES**

|   |  |   |                             |                     |
|---|--|---|-----------------------------|---------------------|
|  | Ref No:  |   | Issued: <b>October 2021</b> | Version: <b>1.0</b> |
|   | Site:  | <b>Willington Lock Quarry &amp; Waste Recovery Site</b> |                             |                     |
| <b>Procedure Title: Waste Acceptance &amp; Handling</b>                           |  |   |                             |                     |
| <b>1. PURPOSE &amp; SCOPE</b>   |  |   |                             |                     |
| 1.1   | This procedure is to ensure compliance with site environmental permit conditions, duty of care and regulatory requirements.  |   |                             |                     |
| 1.2   | Following this procedure will also assist customers of the Waste Recovery Site in complying with their legal obligations relating to the correct categorisation and deposit of waste.  |   |                             |                     |
| <b>2. RESPONSIBILITIES</b>  |  |   |                             |                     |
| 2.1   | It is the responsibility of the Competent Person(s) to ensure this procedure is implemented on site.   |   |                             |                     |
| 2.2   | Compliance with the customer's legal obligations (and compliance by the customer's driver or haulier) is the sole responsibility of the customer and its contractors.  |   |                             |                     |
| <b>3. DEFINITIONS &amp; GLOSSARY</b>  |  |   |                             |                     |
| 3.1   | WAC – Waste Acceptance Criteria - covers the minimum testing requirements that need to be met for the deposit of waste as a recovery activity.   |   |                             |                     |
| 3.2   | SI – Site Investigation report – details all relevant information and data regarding the waste excavation site, including (but not limited to) site location, scale & size, previous uses, details of investigations completed, location of boreholes, services, drains etc, potential for contamination, soil description & analysis. |   |                             |                     |
| 3.3   | Greenfield Site – undeveloped land in a city or rural area either used for agriculture or landscape design, or left to evolve naturally.   |   |                             |                     |
| 3.4   | Technically Competent Person (TCP) – person holding the appropriate qualification / certification (WAMITAB) confirming the knowledge and skills to operate / manage the waste recovery operation.  |   |                             |                     |
| 3.5   | List of Permitted Wastes – provides details (Waste Codes & Descriptions) of the wastes permitted by the Environmental Permit. The wastes are listed in Appendix 1. No other wastes may be accepted into the Waste Recovery Site.   |   |                             |                     |
| <b>4. Procedural Content</b>  |  |   |                             |                     |
| 4.1.  | <b>Enquiry &amp; Initial Approval</b>  |   |                             |                     |
| 4.1.1   | Customer enquiry received by site personnel – providing full details of the waste materials, source site, quantities. A Site Investigation (SI) report, which includes the WAC analysis is forwarded if necessary. Waste listed in Table 1 may be accepted without   |   |                             |                     |

|   |   |
|---|---|
|   | testing provided that the waste is from a well-characterised source or greenfield development. If there is suspicion of the presence of contamination or if there is doubt that the waste meets the definition of inert as specified in the Environmental Permitting Regulations (England and Wales) 2016 [EPR 2016]. The wastes to be accepted at the site are listed in Table 1. The TCP will confirm if testing is necessary following review of the information presented and a site visit if needed. |
| 4.1.2   | The enquiry detail will be reviewed by the Technically Competent Person (TCP), who will decide if the material is acceptable. The TCP will communicate the decision to the customer.  |
| 4.1.3   | All accepted & rejected enquires are entered into the Accepted & Rejected Materials Log – details include the date, customer details, site details, volume, reason for rejection if applicable.   |
| 4.1.4   | If the material is acceptable, the customer must complete a pre-acceptance form. This form will be signed by the customer & the TCP prior to any material being accepted.   |
| <b>4.2</b>  | <b>Waste Acceptance (see Appendix 3 – flowchart)</b>  |
| 4.2.1   | On arrival the customer will provide a waste transfer note which is to be checked against the Materials log. Loads not complying will be rejected and entered into the rejection.   |
| 4.2.2   | A visual inspection of the waste is carried out. If contamination (organic material, topsoil, asphalt, wood, plastic etc) is seen, the load will be rejected. Details of the rejection will be entered onto the Site Rejection Log.   |
| 4.2.3   | The waste will be directed to the tipping area as appropriate.  |
| 4.2.4   | The waste material will be inspected during and after tipping to ensure no contamination is present. If contamination is seen (and cannot easily be removed), the load may be rejected. It will be reloaded and removed from site by the customer, and at the customer's expense. A record of this rejection & removal will be maintained on the site rejection log. If the contamination can easily be removed, site operative will remove it and place in a site skip provided.                         |
| 4.2.5   | The site dozer driver will push the material out into the operational phase.  |
| 4.2.6   | All hauliers will adhere to the site traffic management rules / signage when entering & exiting the site and MUST use the wheel wash when exiting the quarry site.  |
| <b>Section 5 – Documents, records or other information</b><br>Willington Lock Recovery Permit – EPR/XXXXXXX<br>Willington Lock Accepted & Rejected Materials Log<br>Willington Lock Site Rejected Loads Log<br>Willington Lock Pre-Acceptance Form  |   |
| <b>Section 6 – Related information</b><br><br>Appendix 1 – List of Permitted Wastes (taken from Environmental Permit)<br><br>Appendix 2 – Limits of the constituents of leachate produced from a waste<br><br>Appendix 3 – Waste Acceptance Flow Chart limit values for the total content of organic parameters in inert wastes |   |

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**REVISION NOTES** – What's new in this version?

| Section | Version | Detail & reason for change                        | Date |
|---------|---------|---|------|
| All     | 1.0     | This is a new document and should be read in full | 2021 |
|         |         |   |      |
|         |         |   |      |

**END OF PROCEDURE**

## Appendix 1 – Waste Types

Waste types that may be accepted at Willington Lock for deposition as a recovery activity (without testing)

| Waste Code   | Description  | Note |
|--------------|--|------|
| <b>01 01</b> | <b>Wastes from mineral excavation</b>  |      |
| 01 01 02     | wastes from non-metalliferous excavation   |      |
| <b>01 04</b> | <b>wastes from physical and chemical processing of non-metalliferous minerals</b>  |      |
| 01 04 08     | waste gravel and crushed rocks other than those containing dangerous substances  |      |
| 01 04 09     | waste sand and clays   |      |
| <b>10 12</b> | <b>wastes from the manufacture of ceramic goods, bricks, tiles and construction projects</b>   |      |
| 10 12 08     | Waste ceramics, bricks, tiles and construction products (after thermal processing)   |      |
| <b>17 01</b> | <b>Concrete, bricks, tiles and ceramics</b>  |      |
| 17 01 01     | Concrete   |      |
| 17 01 02     | Bricks   |      |
| 17 01 03     | Tiles and ceramics   |      |
| 17 01 07     | Mixtures of concrete, bricks, tiles and ceramics   |      |
| <b>17 05</b> | <b>soil (including excavated soil from contaminated sites) stones and dredging spoil</b>   |      |
| 17 05 04     | soil and stones  | 1    |
| <b>19 12</b> | <b>Wastes from the mechanical treatment of waste (for example, sorting, crushing, compacting, pelletising) not otherwise specified</b> |      |
| 19 12 09     | minerals (for example sand, stones)  |      |
| <b>20 02</b> | <b>Garden and park wastes (including cemetery waste)</b>   |      |
| 20 02 02     | soil and stones  | 1    |

### Notes

1 Soil and stones from contaminated sites will not be accepted.

## Appendix 2 – Limits of the constituents of leachate produced from a waste

**Table 1**

**Limits of the constituents of leachate produced from a waste using the BS EN 12457:2002 test for wastes that may be accepted at an inert site**

| Component                             | Symbol                        | L/S = 10 l/kg<br>mg/kg dry substance |
|---------------------------------------|-------------------------------|--------------------------------------|
| Arsenic                               | As                            | 0.5                                  |
| Barium                                | Ba                            | 20                                   |
| Cadmium                               | Cd                            | 0.04                                 |
| Total Chromium                        | Cr <sub>total</sub>           | 0.5                                  |
| Copper                                | Cu                            | 2                                    |
| Mercury                               | Hg                            | 0.01                                 |
| Molybdenum                            | Mo                            | 0.5                                  |
| Nickel                                | Ni                            | 0.4                                  |
| Lead                                  | Pb                            | 0.5                                  |
| Antimony                              | Sb                            | 0.06                                 |
| Selenium                              | Se                            | 0.1                                  |
| Zinc                                  | Zn                            | 4                                    |
| Chloride                              | Cl <sup>-</sup>               | 800                                  |
| Fluoride                              | F <sup>-</sup>                | 10                                   |
| Sulphate <sup>a</sup>                 | SO <sub>4</sub> <sup>2-</sup> | 1,000                                |
| Phenol index                          | PI                            | 1                                    |
| Dissolved organic carbon <sup>b</sup> | DOC                           | 500                                  |
| Total dissolved solids <sup>c</sup>   | TDS                           | 4,000                                |

- A This limit value for sulphate may be increased to 6,000mg/kg, provided that the value of C<sup>-</sup> (the first elute of a percolation test at L/S = 01. l/kg) does not exceed 1,500 mg/l. It will be necessary to use a percolation test to determine the limit value at L/S = 01. l/kg under initial equilibrium conditions.
- B If the waste does not meet this value for Dissolved Organic Carbon (DOC) at its own pH value, it may alternatively be tested at L/S = 10 l/kg and a pH between 7.5 and 8.0. The waste may be considered as complying with the acceptance criteria for DOC, if the result of this determination does not exceed 500 mg/kg.
- C The value for Total Dissolved Solids can be used alternatively to the values for sulphate and chloride.

**Table 2 –**

**Limit values for the total content of organic parameters in inert wastes**

| <b>Component</b>   | <b>Value (mg/kg)</b> |
|--|----------------------|
| Total organic carbon (TOC) <sup>a</sup>                      | 30,000               |
| BTEX compounds (benzene, toluene, ethyl benzene and xylenes) | 6                    |
| Polychlorinated biphenyls (PCBs) (7 congeners)               | 1                    |
| PAHs (Polycyclic aromatic hydrocarbons) (total of 17)        | 100                  |
| Mineral oil (C10 to C40)                                     | 500                  |

<sup>a</sup> In the case of soils, a higher limit value may be permitted by the Environment Agency provided a Dissolved Organic Carbon value of 500mg/kg is achieved at L/S 10 l/kg at the pH of the soil or at a pH value of between 7.5 and 8.0.

### Appendix 3 – Waste Acceptance Flow Chart

