

Clearwater D C 2001 Limited: Sampling Procedures

This document is to ensure the Best Available Techniques (BAT) at this site is the main objective of its operations and clear sampling procedures are in place in line with best practice. The BAT reference document for waste treatment (European Commission, 2018) has been reviewed for sampling techniques only and the WM3 waste classification guidance (Environment Agency, 2021).

The waste pre-acceptance and acceptance procedures provides details of the steps when waste arrives at the facility. The sampling procedures is used as part of the pre-acceptance and acceptance steps to select which samples require testing. This documents outlines the sampling procedures to determine if the waste is hazardous or non-hazardous and to ensure the appropriated EWC code is allocated.

Sampling Procedures

On arrival

1. Check records to determine if the waste arriving onsite has been sampled previously. Follow pre-acceptance waste procedures and enquire if there have been any waste changes, process changes giving rise to waste changes or when wastes received does not conform to the pre-acceptance information. To determine when periodic sampling is required, waste producers will receive an annual form to ascertain whether there have been any alterations to their processes. If there has been no changes in the processes and the waste conforms to the pre-acceptance and acceptance procedures, the waste does not need to be sampled as this has been completed previously.
2. Ideally, the waste producer will provide a copy of the assessment to confirm if the waste is hazardous or non-hazardous but due to technical or logistical difficulties this may not be available. If the waste arriving on site has no record of sampling either by Clearwater or the waste producer, the waste must be sampled to determine if it is hazardous or non-hazardous. Any waste arriving on site is sampled and verified as compliant as soon as possible.
3. Waste arriving in the waste acceptance area is surrounded by a suitably sealed drainage system to prevent contaminated run-off. This includes the prevention of spillages escaping off site. As waste is decanted into bulk bags, random and representative samples will be taken. Sampling will take place by suitably trained staff which involves extracting from the decanted waste and put into containers ready to be sent to the laboratory. All documentation must be traceable to the sampling plan in appendix 1 and recorded onto the waste tracking system.
5. Samples are sent to the laboratory for analysis. Analysis of waste is to be carried out by a laboratory with suitably recognised test methods.
4. The waste is then transferred to the relevant general storage area until results are returned.

For disposal

1. If the waste is classified as hazardous, characterisation and testing will be undertaken in accordance with the regulator guidance 'dispose of waste to landfill', and must meet the WAC for landfill for hazardous waste before it can be accepted at a landfill. Treatment of waste is not required as this would not reduce its quantity or the risk to people's health or the environment. A Hazardous Waste Consignment Note, including waste description and the basic characterisation of waste is required when sending to landfill. If the waste does not meet the criteria, it will go offsite for incineration.

2) If the waste is classified as non-hazardous, characterisation and testing is required in accordance with the regulator guidance 'Dispose of Waste to Landfill' for disposal to a non-hazardous landfill site. Treatment of waste is not required as this would not reduce its quantity or the risk to people's health or the environment. Written information, required by the Duty of Care requirements will be provided upon transfer.

Appendix 1: **Sampling Plan for Waste Classification and Assessment**

Sampling Plan for Waste Classification and Assessment	
Preparatory Steps	
Previous holder:	Objectives: Determine if the waste is Hazardous or Non-Hazardous
Background information researched: <ul style="list-style-type: none"> • Site Details • Process or nature of arising • Type, Form and amount of material • Known physical, biological and chemical characteristics • Operational procedures that may affect characteristics • Previous analysis 	
Date of arrival on site:	
Identification number on bag:	
Constituents to be tested:	
Sample Details: <ul style="list-style-type: none"> • Size of sample • Number of sample 	
Date sample sent:	Results updated on system: Yes / No