

## Waste Services Contract

# Waste Acceptance Criteria – Combustible Waste Treatment

WSC-WAC-COM – Version 3.0 – April 2012

### Document Control

	Name	Role
<b>Originator:</b>	Andrew Laker	Waste Acceptance Manager
<b>Checker:</b>	Craig Ashton	Waste Services Manager
<b>Approver:</b>	Richard Cummings	ESC Project Manager

## **Executive Summary**

This document forms part of the Waste Services Contract between LLW Repository Ltd and its customers. It provides the Waste Acceptance Criteria for combustible waste being consigned to LLW Repository Ltd for treatment prior to disposal of the residues at the Low Level Waste Repository including details of the physical, chemical, radiological, packaging and transportation requirements that waste must comply with to be accepted.

Along with the criteria for other waste services that make up the Waste Acceptance Criteria, this document details **what** waste can be consigned to LLW Repository Ltd for treatment and / or disposal. It should be read in conjunction with the Waste Acceptance Procedure that details **how** to consign waste to LLW Repository Ltd for treatment and /or disposal. A Process Overview Diagram (Reference: WSC-PRO-OVR), which provides a visual guide to the waste acceptance processes, and all other documents associated with LLW Repository Ltd's Waste Services, are available from our website: [www.llwrsite.com](http://www.llwrsite.com)

If you need any assistance or have any questions regarding this Waste Acceptance Criteria or LLW Repository Ltd's Waste Services, please contact the LLW Repository Ltd Customer Team by telephone: (01946) 70300 or by e-mail: [customerteam@llwrsite.com](mailto:customerteam@llwrsite.com)

**Contents**

<b>1</b>	<b>Introduction.....</b>	<b>4</b>
1.1	Scope .....	4
1.2	Service Suppliers .....	4
1.3	Process .....	4
1.4	Waste Acceptance .....	5
1.5	Variations.....	5
1.6	Non-Compliant Waste.....	5
1.7	Defined Terms .....	5
<b>2</b>	<b>Waste Acceptance Criteria .....</b>	<b>6</b>
<b>C1</b>	<b>Physical and Chemical Properties .....</b>	<b>6</b>
C1.1	Waste Treatment and Segregation .....	6
C1.2	Acceptable Combustible Waste .....	6
C1.2.1	Acceptable Solid Combustible Wastes .....	7
C1.2.2	Acceptable Liquid Combustible Wastes .....	8
C1.2.3	Non-Waste Materials.....	8
<b>C2</b>	<b>Radiological Properties .....</b>	<b>9</b>
C2.1	Radioactivity Limits .....	9
C2.3	Radiation of Waste Packages .....	10
C2.4	Contamination .....	10
<b>C3</b>	<b>Packaging and Transport Requirements .....</b>	<b>11</b>
C3.1	Approved Waste Packages and Transport Containers .....	11
C3.2	Maximum Weight and Packaging Restrictions.....	11
C3.3	Packing Efficiency .....	11
C3.4	Photographic Records.....	11
C3.5	Transport Regulations.....	12
C3.6	Transport of Fissile Radionuclides .....	12
C3.7	Part Loads.....	12
C3.8	Site Rules and Instructions .....	12
C3.9	Transport Container Return .....	12
<b>3</b>	<b>Glossary .....</b>	<b>13</b>

## 1 Introduction

This document defines the *Waste Acceptance Criteria* for the treatment of combustible waste by *LLW Repository Ltd*. This treatment service is available to reduce the volume of low level waste, by incineration of combustible materials, prior to disposal of any residual ash.

### 1.1 Scope

This *Waste Acceptance Criteria* (WAC) document represents the generic requirements for the packaging, receipt, treatment and disposal of combustible low level radioactive waste. The criteria apply to each consignment of waste to LLW Repository Ltd.

This document outlines the potential Combustible Waste Treatment Service options that are available through *LLW Repository Ltd* and presents a composite overview of the key criteria from each *Service Supplier*. This does not necessarily represent the full range of acceptance criteria for each *Service Supplier*. *LLW Repository Ltd* will work with the *Service Suppliers* to assess wastes against their *Waste Acceptance Criteria* during the Waste Enquiry and Waste Consignment Processes.

### 1.2 Service Suppliers

The Combustible Waste Treatment Service is provided by the following sub-contractors to *LLW Repository Ltd*:

- ABNC, using the following treatment facilities:
  - Tradebe (UK)
- Energy Solutions, using the following treatment facilities:
  - Bear Creek (USA)
  - Belgoprocess (Belgium)
  - Grundon (UK)
- Nuvia, using the following treatment centres:
  - Socodei (France)
- Studsvik, using the following treatment facilities:
  - Nyköping (Sweden)
  - Tradebe (UK)

These facilities provide a range of packaging, sorting and incineration options to support the treatment of combustible waste.

In addition, a sorting, segregation and packaging service is available prior to incineration via Energy Solutions using the segregation facility at Inutec (Winfrith, UK). Nuvia can provide a similar service using the segregation facility at NNL (Springfields, UK) although this route is not currently available or approved.

The suitability of waste for acceptance at a segregation facility will be considered through the Waste Enquiry Process.

### 1.3 Process

Customers deliver combustible *Waste Consignments* to the selected *Service Supplier's* facility or to the *Low Level Waste Repository*, for onward transport. Following treatment at the relevant facility the *residual waste* is disposed of by the *Service Supplier*. If there are

any *Secondary Wastes*, they are re-packaged and transported to the *Low Level Waste Repository* for grouting and disposal by *LLW Repository Ltd*. In some cases, the *Secondary Waste* may be disposed of by the *Service Supplier*.

#### 1.4 Waste Acceptance

For a *Waste Consignment* to be accepted by *LLW Repository Ltd*, it will be necessary to ensure that waste complies with the *Waste Acceptance Criteria* of the relevant *Service Supplier*. These requirements will ultimately be defined in the Service Information within the Waste Services Quotation (Reference: WSC-TEM-WSQ) supplied by *LLW Repository Ltd* to the customer in response to a Waste Enquiry Form (Reference: WSC-FOR-WEN). Waste will only be accepted from customers in accordance with *LLW Repository Ltd's* Waste Acceptance Procedure. In addition, waste is accepted for treatment and disposal by *LLW Repository Ltd* based on the availability of sufficient volumetric and radiological capacity.

The criteria defined in this document do not necessarily represent the full range of acceptance criteria for each *Service Supplier*. These requirements will be defined in the Service Information within the Waste Services Quotation (Reference: WSC-TEM-WSQ) supplied by *LLW Repository Ltd* to the Customer in response to a Waste Enquiry Form (Reference: WSC-FOR-WEN).

#### 1.5 Variations

Variations to or waiver of the criteria defined in this document may require approval of a Waste Consignment Variation Form (Reference: WSC-FOR-WCV) by *LLW Repository Ltd* or the *Service Supplier*. If a variation is required to allow disposal of *Secondary Waste*, this will be the responsibility of the *Service Supplier*. In all cases, approval is required prior to waste being prepared for consignment.

#### 1.6 Non-Compliant Waste

Any non-compliant wastes consigned to *LLW Repository Ltd* or the *Service Suppliers* may require collection by the customer in accordance with the relevant conditions in the Waste Services Contract.

#### 1.7 Defined Terms

Defined terms within this document are highlighted in *italics* and their meanings are presented in the Glossary.

## 2 Waste Acceptance Criteria

This section details the **Waste Acceptance Criteria** for *LLW Repository Ltd's Combustible Waste* treatment service. It is presented in three sections:

- C1 – Physical and Chemical Properties
- C2 – Radiological Properties
- C3 – Packaging and Transport Requirements

### C1 Physical and Chemical Properties

#### C1.1 Waste Treatment and Segregation

Waste should not be consigned for *Combustible Waste* treatment if reasonably practicable measures could be adopted to segregate its constituent parts such that alternative waste treatment and / or disposal services could be used to reduce the final volume requiring disposal at the *Low Level Waste Repository* or to avoid disposal at the *Low Level Waste Repository*.

Reasonable means shall be used to segregate *Combustible Waste* into the following types:

- *Solid Combustible Waste*
- *Liquid Combustible Waste*

Individual *Waste Consignments* of mixed *Combustible Waste* may be acceptable, subject to approval by *LLW Repository Ltd* through the Waste Enquiry Process.

#### C1.2 Acceptable Combustible Waste

Only radioactively contaminated or activated combustible waste will be accepted for treatment by *LLW Repository Ltd* under the *Combustible Waste* treatment service. *Combustible Waste* may consist of solid materials, liquids, flammable organic liquids, aqueous solutions and flammable liquids absorbed onto combustible matrices.

Where waste arising from the *Combustible Waste* treatment service is to be disposed of as *Secondary Waste* at the *Low Level Waste Repository*, it must be compliant with the *Waste Acceptance Criteria* for the *Low Level Waste* disposal service (Reference: WSC-WAC-LOW) and the *Low Level Waste Repository's* Environmental Permit issued under the Environmental Permitting (England and Wales) Regulations 2010 by the Environment Agency (Reference: EPR/YP3293SA). *LLW Repository Ltd* will determine if the *Secondary Waste* will meet the *Waste Acceptance Criteria* requirements during the Waste Enquiry Process. *LLW Repository Ltd* is responsible for the disposal of any *Secondary Waste* and compliance with the *Waste Acceptance Criteria*.

**C1.2.1 Acceptable Solid Combustible Wastes**

The following table outlines the solid materials that are generally accepted and those that are restricted by the *Combustible Waste Service Suppliers*:

**Table 1: Acceptable and Restricted Solid Combustible Wastes**

Acceptable Solid Combustible Wastes	Provisionally Acceptable Solid Combustible Wastes	Restricted Solid Combustible Wastes
Wood	Plastics (halogenated including PVC)	Pyrophorics or explosive substances including free sodium
Paper	Rubber	Toxic materials - including mercury, PCBs, cyanides
Cardboard	Ion exchange resins	Biological, Infectious or Pathogenic materials
Cloth - including cotton and PPE	Filters	Asbestos
Plastics (non halogenated)	Grease	Pressurised gas receptacles or aerosols
Charcoal	Graphite	Sealed sources (ceramic beads, pellets or smoke detectors)
	Cables and thin gauge metals	Metal - including steel, lead, chromium, cadmium, mercury, beryllium, uranium metal, thorium metal, radioactive lightening conductors
	Putrescent material including carrion	Concrete
	Fibreglass, Mineral wool	Blasting materials - including sand, grit, glass, beads, pearls
	Halogenated waste	Materials with sharp edges such as knives, glass, needles
	Mud (non-pumpable)	Luminous items
		Anti-static devices containing radiation sources

**C1.2.2 Acceptable Liquid Combustible Wastes**

The following table outlines the liquid materials that are generally accepted and those that are restricted by the combustible waste *Service Suppliers*:

**Table 2: Acceptable and Restricted Liquid Combustible Wastes**

Acceptable Liquid Combustible Wastes	Provisionally Acceptable Liquid Combustible Wastes
Oils	Liquids containing suspended solids
Synthetic fluids	Sludge (packaged)
Organic scintillant (in vials)	Borated concentrates
Chemical wastes including solvents	Paint
Decontamination solutions	Fire resistant oils based on phosphate esters or equivalent

**C1.2.3 Non-Waste Materials**

Where materials must be added to the waste, the customer shall use reasonable means to limit the quantity of non-waste materials present in a *Waste Consignment*. It is not acceptable to purposely dilute waste or add shielding materials for the sole purpose of achieving compliance with the requirements of this *Waste Acceptance Criteria*.

## C2 Radiological Properties

### C2.1 Radioactivity Limits

*Service Supplier* specific *Activity* limits apply for *Combustible Waste* packages. Specific restrictions will be determined through the Waste Enquiry Process. However, the following criteria provide a general guide:

**Table 3: Activity Limits for *Combustible Waste* Packages**

Radionuclide	Package Activity Limit (MBq)		
	Acceptable	Likely to be Accepted	Maybe Accepted
All alpha	<0.5	<8	<15
C-14	<3,000		<100,000
H-3	<40,000		<100,000
All other beta/gamma	<10	<40	<8000

Where waste arising from the *Combustible Waste* treatment service is to be disposed of as *Secondary Waste* at the *Low Level Waste Repository*, the activity of any *Waste Consignment* consigned for disposal as *Low Level Waste* at the *Low Level Waste Repository* shall not exceed the following values:

- 4 GBq/t for all alpha-emitting radionuclides
- 12 GBq/t for all other radionuclides

In accounting for *Activity* against these limits, the activity of *Decay Products* with half-lives of less than three months shall not be accounted for if they are present in amounts not exceeding those which could be present through the natural decay of radionuclides that are accounted for.

*LLW Repository Ltd* will confirm that *Secondary Waste* to be disposed of at the *Low Level Waste Repository* will meet the radioactivity limits during the Waste Enquiry Process. *LLW Repository Ltd* is responsible for the disposal of any *Secondary Waste* and compliance with the *Waste Acceptance Criteria*.

### C2.2 Fissile Radionuclides

*Service Supplier* specific criteria may be applicable limiting the quantity of *Fissile Radionuclides* in a *Combustible Waste Consignment*. Specific restrictions will be determined through the Waste Enquiry Process.

Where waste arising from the *Combustible Waste* treatment service is to be disposed of as *Secondary Waste* at the *Low Level Waste Repository*, any waste containing *Fissile Radionuclides* must meet the limits for *Fissile Radionuclides* in *Waste Acceptance Criteria - Low Level Waste Disposal* (Reference: WSC-WAC-LOW).

*LLW Repository Ltd* will confirm that *Secondary Waste* to be disposed of at the *Low Level Waste Repository* will meet the *Fissile Radionuclide* limits during the Waste Enquiry Process. *LLW Repository Ltd* is responsible for the disposal of any *Secondary Waste* and compliance with the *Waste Acceptance Criteria*.

### **C2.3 Radiation of Waste Packages**

The dose rate limit for a *Waste Package* must not exceed 7.5  $\mu\text{Sv/h}$ .

The maximum radiation level at any point on the external surface of the *Transport Container* shall not exceed 2 mSv/h and 100  $\mu\text{Sv/h}$  at 2 metres.

In addition, *Service Supplier* specific criteria may apply. Specific restrictions will be determined through the Waste Enquiry Process.

### **C2.4 Contamination**

External non-fixed contamination levels on the *Transport Container* at the time of consignment shall be as low as reasonably practicable and in any case not more than 0.4 Bq/cm<sup>2</sup> for all alpha-emitting radionuclides and 4 Bq/cm<sup>2</sup> for all other radionuclides averaged over an area of 300 cm<sup>2</sup>.

In addition, *Service Supplier* specific criteria may apply. Specific restrictions will be determined through the Waste Enquiry Process.

### C3 Packaging and Transport Requirements

#### C3.1 Approved Waste Packages and Transport Containers

Waste for treatment may be consigned to *LLW Repository Ltd* or the *Service Suppliers* in a wide range of *Waste Packages* and *Transport Containers*. The following table outlines the packages that are generally acceptable and those that maybe acceptable for certain *Service Suppliers*.

**Table 4: Acceptable Waste Packages and Containers**

Acceptable	Likely to be Accepted	Maybe Accepted
Fibreboard Kegs	210 litre Drums	TC02
Berglof Boxes	750 litre wheelie-bins (containing bagged waste)	IP2 Containers
Dolav Boxes	IP2 Full height ISO	Carboys - IP1 / IP2 Rated (25 litre – 30 litre)

It should be noted, however, that *Service Supplier* specific packaging criteria apply. Therefore, the range of *Waste Packages* and *Transport Container* options will be determined by the customer and *LLW Repository Ltd* through the Waste Enquiry Process. The chosen option will be specified in a Waste Loading Plan (Reference: WSC-FOR-WLP).

#### C3.2 Maximum Weight and Packaging Restrictions

*Service Supplier* specific criteria apply to the maximum weight and volume of waste packages. Limits may be imposed on the following:

- Weight of dry packaged waste;
- Volume of drummed waste;
- Volume of free liquid drum;
- Single item volume;
- Mass of package for direct incineration;
- Package dimensions;
- Density of super-compacted waste.

#### C3.3 Packing Efficiency

Customers are responsible for loading the *Transport Container* and / or the *Primary Containment* so that, as far as reasonably practicable, waste is packaged in such a way as to maximise the use of the *Transport Container* in accordance with the relevant Waste Loading Plan (Reference: WSC-FOR-WLP) for the *Waste Consignment*.

#### C3.4 Photographic Records

Where required by the Waste Loading Plan (Reference: WSC-FOR-WLP) for the relevant *Waste Consignment*, Customers are responsible for ensuring that, as far as reasonably practicable, photographic records of the step-by-step filling of the *Transport Container* and / or the *Primary Containment* with waste are produced and retained by the customer.

### C3.5 Transport Regulations

Waste must be *consigned* for treatment or disposal in accordance with the latest edition of IAEA TS-R-1 (Safe Transport of Radioactive Material Regulations), as required by The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (or as amended) and ADR, under one of the following classifications:

- Excepted Package
- Low Specific Activity material (LSA I, LSA II)
- LSA III (subject to confirmation of the leaching test specified in IAEA TS-R-1)
- Surface Contaminated Object (SCO I or SCO II)

Customers are responsible for ensuring compliance with the transport regulations and the Certificate of Approval for the specific container design including the requirements of any associated packing and handling instructions.

### C3.6 Transport of Fissile Radionuclides

Waste transported in IP-2 containers may contain very low quantities or very low concentrations of *Fissile Radionuclides* when classified as Fissile Excepted Packages. In order to use the Fissile Excepted Package classification, one of the fissile exemption criteria in the Transport Regulations must be satisfied and the justification documented.

Please note that the fissile excepted criteria do not always align with the criteria for *Fissile Radionuclides* in C2.2.

Customers must contact *LLW Repository Ltd* for advice if they intend to *consign* waste to *LLW Repository Ltd* or the *Service Suppliers* that contains *Fissile Radionuclides* above the fissile excepted criteria, prior to loading waste.

Customers must ensure they fulfil the requirements of these *Waste Acceptance Criteria* and the Transport Regulations when consigning *Fissile Radionuclides* to *LLW Repository Ltd*.

### C3.7 Part Loads

A *Waste Consignment* may not be consigned to *LLW Repository Ltd* if sent as a part-load with other materials that are not *Low Level Waste* on the same vehicle.

### C3.8 Site Rules and Instructions

When delivering waste to *LLW Repository Ltd* for treatment, the customer's representatives must observe the site rules and instructions at either the *Service Supplier's* site or the *Low Level Waste Repository*.

### C3.9 Transport Container Return

Where the *Transport Container* belongs to the customer, *LLW Repository Ltd*, or its subcontractor, will unload the contents of the *Transport Container* and ensure that it is available for return, within the timescale agreed with the customer, in as good a condition as it was when delivered, subject to fair wear and tear.

### 3 Glossary

**Activity**, expressed in Becquerels, means the number of spontaneous nuclear transformations occurring in a period of one second.

**Combustible Waste** means those wastes for which the best available technique for management is incineration. *Combustible Waste* can typically consist of: paper, cardboard, plastic, wood, gloves, overshoes, protective suits, wipes, rags, oil, etc.

**Consign**, in the context of waste, means to transfer waste to *LLW Repository Ltd*, or to a *Service Supplier's* facility, for the purpose of onward transfer, treatment or disposal and *Consigned* has a corresponding meaning.

**Decay Products** means those radionuclides succeeding another radionuclide in the radioactive decay chain in which both, or all, occur.

**Environmental Permit** means the Environmental Permit for the Low Level Waste Repository (Reference: EPR/YP3293SA) issued under the Environmental Permitting (England and Wales) Regulations 2010 by the Environment Agency.

**Fissile Radionuclides** means any of the following radionuclides:

Th-228	Np-237	Pa-231	Cm-243	Cf-249
U-232	Pu-238	Pa-232	Cm-244	Cf-250
U-233	Pu-239	Am-241	Cm-245	Cf-251
U-234	Pu-240	Am-242m	Cm-246	Cf-252
U-235	Pu-241	Am-243	Cm-247	Es-254
U-236	Pu-242			

**Free Liquid** means any liquid which is present as a separate phase including liquid which is physically absorbed onto a solid matrix rather than chemically combined.

**Hazard Properties** means the following properties of waste, which render them hazardous in accordance with the Hazardous Waste (England and Wales) Regulations 2005:

- H1 “Explosive”: substances and preparations which may explode under the effect of flame or which are more sensitive to shocks or friction than dinitrobenzene.
- H2 “Oxidising”: substances and preparations, which exhibit highly exothermic reactions when in contact with other substances, particularly flammable substances.
- H3-A “Highly Flammable”:
  - liquid substances and preparations having a flash point below 21°C (including extremely flammable liquids), or
  - substances and preparations which may become hot and finally catch fire in contact with air at ambient temperature without any application of energy, or
  - solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the ignition source, or
  - gaseous substance and preparations which are flammable in air at normal temperature and pressure, or

- substances and preparations, which in contact with water or damp air evolve highly flammable gases in dangerous quantities.
- H3-B “Flammable”: liquid substances and preparations having a flash point equal to or greater than 21°C and less than or equal to 55°C.
- H4 “Irritant”: non-corrosive substances and preparations, which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.
- H5 “Harmful”: substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks.
- H6 “Toxic”: substances and preparations (including very toxic substances and preparations) which, if they are inhaled or ingested or if they penetrate the skin, may involve serious, acute or chronic health risks and even death.
- H7 “Carcinogenic”: substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence.
- H8 “Corrosive”: substances and preparations, which may destroy living tissue on contact.
- H9 “Infectious”: substances containing viable microorganisms or their toxins, which are known or reliably believed to cause disease in man or other living organisms.
- H10 “Teratogenic”: substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce non-hereditary congenital malformations or increase their incidence.
- H11 “Mutagenic”: substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce hereditary genetic defects or increase their incidence.
- H12 Substances and preparations, which release toxic or very toxic gases in contact with water, air or an acid.
- H13 Substances and preparations capable by any means, after disposal, of yielding another substance, e.g. a leachate, which possesses any characteristics listed above.
- H14 “Ecotoxic”: substances and preparations, which present or may present immediate or delayed risks for one or more sectors of the environment.
- H15 Waste capable by any means, after disposal, of yielding another substance, e.g. a leachate, which possesses any of the characteristics above

**Ion Exchange Material** means any material, whether synthetic or naturally occurring, that has the capability of interchanging ions from one substance to another by means of a reversible chemical or physical process.

**Liquid Combustible Waste** means any *Combustible Waste* that is a liquid such as: oil, synthetic fluids, chemical wash solutions, evaporation concentrates, solvents and scintillation liquids.

**LLW Repository Ltd** means the waste management company that holds the Site Licence to manage and operate the *Low Level Waste Repository* under contract to the owner of the site, the Nuclear Decommissioning Authority.

**Low Level Waste** means solid low level radioactive waste in accordance with the requirements specified in this *Waste Acceptance Criteria* document. It typically includes metals, soil, building rubble and organic materials, which arise principally as lightly contaminated miscellaneous scrap. Metals are mostly in the form of redundant equipment. Organic materials are mainly in the form of paper towels, clothing and laboratory equipment that have been used in areas where radioactive materials are used, such as hospitals, research establishments and the nuclear industry. Low Level Waste contains radioactive materials other than those acceptable for disposal with municipal and general commercial or industrial waste.

**Low Level Waste Repository** means the national low level radioactive waste disposal facility situated near the village of Drigg in West Cumbria.

**Packing Efficiency** means the extent to which the internal volume in a *Transport Container* is fully utilised.

**Primary Containment** means the first level of containment using closed containers such as Dolav boxes, Berglof boxes or UN approved drums.

**Provisionally Acceptable** means those liquid or solid Combustible Wastes that can be accepted for treatment but may be subject to limits by percentage weight of waste or may have other specific requirements.

**Putrescible Materials** means materials liable to be readily decomposed by micro-organisms, excluding wood and paper.

**Reactive Metals** means those elements located in Group IA, first column, of the periodic table, (alkali metals) and those elements located in Group IIA, second column, of the periodic table (alkaline earth metals).

**Residual Waste** means waste such as packaging and wrapping that cannot be treated or processed.

**Secondary Waste** means waste for disposal at the *Low Level Waste Repository* that arises from a treatment process completed by *LLW Repository Ltd* for a customer under the Waste Services Contract.

**Service Supplier** means the sub-contractor that *LLW Repository Ltd* uses to deliver the Combustible Waste Treatment Service as defined in Section 1.2.

**Solid Combustible Waste** means any *Combustible Waste* that is a solid such as: cotton, timber, cardboard, synthetic materials, polyvinylchloride (PVC), ion exchange resins, combustible filters, plastics, grease, Personal Protective Equipment (PPE), paper, graphite, cables, thin gauge metals, cloths and rags.

**Suitable Supporting Justification** means additional information that may be required to support an application to consign waste to *LLW Repository Ltd* or to seek a variation to the *Waste Acceptance Criteria*. The form of justification required will be dependent upon the nature of the issue to be considered. In some cases, the justification will be in the form of a Best Practicable Means (BPM) Assessment, a Best Practicable Environmental Option (BPEO) Assessment or a Best Available Technique (BAT) Assessment. Advice on the level of justification required should be sought from *LLW Repository Ltd*.

**Transport Container** means those containers, as defined in C3.1, that are approved for use to *Consign a Waste Consignment* to *LLW Repository Ltd* and Service Suppliers for treatment.

**Waste Acceptance Criteria** means the requirements set out in this document and the Waste Acceptance Criteria Overview (Reference: WSC-WAC-OVR) and relevant Statutory Regulations applicable to the customer in respect of the transport, treatment and disposal of *Low Level Waste*.

**Waste Consignment** means one *Transport Container* and its contents of waste and packaging with a maximum external volume of 40 m<sup>3</sup>, received from a single Customer on one road or rail vehicle as specified in the Waste Consignment Information Form (Reference: WSC-FOR-WCI).

**Waste Package** means those packages, such as drums and bags, as defined in C3.1, that are approved for use to consign *Combustible Waste* to *LLW Repository Ltd* and Service Suppliers for treatment.