

## **The Asbestos Reception and Disposal Facility Waste Acceptance Criteria – For licensed and non- licensed asbestos waste**

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This document defines the Waste Acceptance Criteria for the disposal of wrapped/bagged licensed and non- licensed asbestos waste at the Asbestos Reception and Disposal Facility (ARDF) and Cell 30

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# **The Asbestos Reception and Disposal Facility Waste Acceptance Criteria – For licensed and non-licensed asbestos waste**

## **1 Introduction**

This document defines the Waste Acceptance Criteria for the disposal of wrapped/bagged licensed and non- licensed asbestos waste at the Asbestos Reception and Disposal Facility (ARDF) and Cell 30

### **1.1 Scope**

This Waste Acceptance Criteria (WAC) document represents the requirements for the Receipt, Packaging and Transport of wrapped/bagged licensed and wrapped non- licensed asbestos waste. The criteria apply to each consignment of waste delivered to the ARDF and Cell 30

1. The ARDF and Cell 30 are designated for the receipt and disposal of wrapped licensed asbestos waste and wrapped non- licensed asbestos waste.
2. The ARDF and Cell 30 are designated for the receipt and burial of wrapped non-licensed asbestos cement waste (i.e. non-contaminated cement bonded asbestos waste.)

### **1.2 The Operator of the ARDF and Cell 30**

The Department for Infrastructure (Dfi) (“the Operator”) shall provide waste management and disposal services to the asbestos waste producer (“the Producer”). The Producer’s asbestos waste arising’s shall be received and disposed of safely by the Operator at the (Dfi) Asbestos Reception and Disposal Facility (ARDF) and Cell 30.

Asbestos waste received by the Operator at the ARDF and Cell 30 is subject to Waste Acceptance Criteria, to establish that it is as expected and has been appropriately segregated at the point of disposal by the Producer.

The Asbestos Reception and Disposal Facility (ARDF) and Cell 30 will be managed by (Dfi).

### **1.3 Procedure**

Contractors deliver asbestos waste consignments to the ARDF and Cell 30 for receipt and disposal. On receipt of the asbestos waste, the Operator shall conduct the following waste acceptance checks before accepting the delivery:

- 1.3.1 It has been booked in with Dfi and pre- consigned to the Department of the Environment.
- 1.3.2 The Waste Producers Declaration has been completed

The Waste Producer shall make the following declarations:

- (1) It conforms to the description in the documentation supplied by the waste producer.
- (2) The asbestos waste has been delivered in the appropriate UN approved bags/wrapping
- (3) The packaging does not exhibit signs of damage which may contribute to fibre release or contamination of the delivery and storage areas;
- (4) No dangerous residue shall adhere to the outside of the packages during transport.
- (5) The bags/package have not been overloaded; and
- (6) The bags/package clearly displays the appropriate waste designation labelling.

1.3.3 The Producer shall ensure, so far as is reasonably practicable, that only waste compliant with the requirements of this document is delivered to the ARDF and Cell 30 for disposal.

1.3.4 On acceptance, consignments arriving in tipping vehicles/ skips will be directed to an appropriate tipping zone within cell 30. Vehicles delivering asbestos wastes for tipping should therefore be capable of safely traversing Cell 30.

1.3.5 On acceptance, consignments arriving in vans will be directed to a designated offloading area within the ARDF and offloaded into an asbestos skip by the contractors delivering the waste.

#### **1.3.6 The following asbestos waste can be received at the ARDF and buried in Cell 30**

- Licensed asbestos waste that is appropriately wrapped/bagged
- Non-licensed asbestos waste that is appropriately wrapped/bagged
- Non- licensed asbestos cement (bonded asbestos waste) that is fire damaged or weathered to the point of being classed as friable that is appropriately wrapped or bagged.
- Non-licensed asbestos cement waste that is bitumen contaminated must be appropriately wrapped or bagged.
- Wrapped/bagged contaminated Personal Protective Equipment (PPE)/Respiratory Protective Equipment (RPE) and Polythene/timber.

#### **1.3.7 The following asbestos waste can be received at the ARDF and buried in Cell 30**

- Non-licensed asbestos cement (in good condition and not contaminated) that is appropriately bagged or wrapped.

1.3.8 Members of the public may also deliver appropriately packaged asbestos waste to the ARDF by prior arrangement. They are responsible for placing it into a dedicated wheelie bin located at the entrance.

### **1.4 Asbestos Waste Acceptance**

For an Asbestos Waste Consignment to be accepted at the ARDF and Cell 30 it must satisfy the criteria detailed in this document. Waste will only be accepted in accordance with the ARDF Waste Acceptance Criteria (WAC).

### **1.5 Approval in Advance**

Criteria defined in this document state that it is necessary to obtain an approval in advance from DfI through their booking in system at least 7 working days in advance of the delivery.

The waste must also be pre-consigned on a Consignment note for the movement of Hazardous and Healthcare Waste (HHWCN) to the Department for the Environment at least 72 hours in advance of the delivery.

### **1.6 Non-conforming Loads – Licensed Asbestos only**

If a load is found to contain non-permitted/non-conforming waste the load may be rejected and moved to the quarantine area. HSI will be informed immediately; the DfI asbestos administrator, as well as the weighbridge operator, and the waste producer will also be notified. If necessary it will be repackaged for conformity and the DfI will seek to recover the costs from the contractor.

## **1.7 Non-conforming Loads – Non- licensed Asbestos only.**

Non -licensed asbestos waste not conforming to the Waste Acceptance Criteria will be reported to the HSI, the DfI asbestos administrator, the weighbridge operator and the waste producer. It may be moved to the quarantine area

If necessary it will be repackaged for conformity and the DfI will seek to recover the costs from the contractor

## **2. Waste Acceptance**

### **2.1 Physical and Chemical Properties**

Asbestos is a naturally occurring silicate mineral and exists in a number of chemical types – for example **Chrysotile** ('white'), **Amosite** ('brown') and **Crocidolite** ('blue') – either in a bonded or fibrous form.

All forms of asbestos are classified as a class 1 carcinogen and defined as “hazardous wastes”

#### **2.1.1 Waste Treatment and Segregation**

The asbestos waste shall be segregated into licensed and non-licensed waste

The asbestos waste should be visibly damp and, when bagged or wrapped, droplets of moisture should be evident.

Any asbestos waste, debris or contaminated materials should be double bagged in suitable, UN approved bags which contain the appropriate asbestos warning label. The inner bag should be sealed with tape and wiped clean before being carefully placed into the second bag, which should then also be sealed.

For non-licensed waste, both bags shall be clear and labelled with the UN Class 9 hazard diamond and UN 2590 (usually by taping a UN bag to the wrapping).

Licensed asbestos waste should be double bagged in suitable UN approved bags which contain the appropriate asbestos warning label. The inner bag should be red and labelled with the UN Class 9 hazard diamond and UN 2212 and the outer bag should be clear.

If the asbestos waste, debris or other material cannot fit into a waste bag, it must be double wrapped in two layers of 1000 gauge polythene sheet. A red asbestos bag or printed label (with the same information as the bag) should be securely attached to indicate it is asbestos waste.

#### **2.1.2 Acceptable Waste**

The waste shall contain no other hazardous substances than bound asbestos, including fibres bound by a binding agent or packed in plastic, and identifiable pieces of asbestos containing material. The ARDF and Cell 30 shall accept only construction material containing asbestos and other suitable asbestos wastes.

Waste consigned for disposal must be compliant with the Site License issued under the Waste Management (Jersey) Law 2005 by the Department of the Environment (Reference: 023 )

Compliance with the ARDF, and Cell 30 site licence/permit can be achieved by complying with the requirements of this Waste Acceptance Criteria and consigning waste in accordance with the specific requirements of the Waste Management (Jersey) Law 2005.

### **2.1.3 Waste Preparation**

Asbestos waste must have been treated and packaged in such a way as to render it, so far as is reasonably practicable, harmless. The method used to minimise the formation of asbestos fibres is to wet it with water to control the emissions of particulate asbestos.

The asbestos waste should be visibly damp and, when bagged or wrapped, droplets of moisture should be evident.

### **2.1.4 Non-Waste Materials**

Contractors shall use reasonable means to limit the quantity of non-asbestos waste present in a Waste Consignment. It is not acceptable to purposely dilute waste for the sole purpose of achieving compliance with the requirements of this Waste Acceptance Criteria.

### **2.1.5 Biodegradable Waste**

Contractors shall use reasonable means to exclude biodegradable materials in the waste

### **2.1.6 Construction Waste**

Construction waste must be managed appropriately and asbestos waste, when produced, must not be mixed with other waste streams. Therefore the requirement to only deposit asbestos material can be met by careful segregation of waste streams at the time of production.

### **2.1.7 Asbestos contaminated soil.**

The assessment of asbestos containing waste considers both the presence of asbestos as:

- fibres that are free and dispersed, and
- identifiable pieces of asbestos containing material

If the waste contains fibres that are free and dispersed then the waste will be hazardous if the waste as a whole contains 0.1% or more asbestos.

## **2.2 Waste Acceptance Criteria**

Waste shall only be accepted at the ARDF and Cell 30 if it falls within the following parameters:

### **2.2.1 It has been booked in with the DfI and pre- consigned to the Department of the Environment.**

### **2.2.2 Waste falling within the following parameters may be accepted for disposal at the ARDF and Cell 30.**

- Licensed asbestos waste that is appropriately wrapped/bagged
- Non-licensed asbestos waste that is appropriately wrapped/bagged
- Non- licensed asbestos cement (bonded asbestos waste) that is fire damaged or weathered to the point of being classed as friable that is appropriately wrapped or bagged.

- Non-licensed asbestos cement waste that is bitumen contaminated must be appropriately wrapped or bagged.
- Wrapped/bagged contaminated Personal Protective Equipment (PPE)/Respiratory Protective Equipment (RPE) and Polythene/timber.

**2.2.3 Waste falling within the following parameters may be accepted for disposal at the ARDF and Cell 30**

- Non-licensed asbestos cement (in good condition and not contaminated) that is appropriately bagged or wrapped.

**2.2.4 Waste falling within the following parameters may be accepted for disposal at the ARDF and Cell 30 if it is of a type listed below in Table 1:**

The most commonly used EWC codes for asbestos containing materials are.

<b>Table 1 List of Waste Types</b>	
<b>EWC Code</b>	<b>Definition</b>
160111	brake pads containing asbestos
160212	discarded equipment containing free asbestos
170503	Soil and stones containing dangerous substance
170601	Insulation materials containing asbestos
170605	Construction materials containing asbestos

Mirror entries must be assessed against a threshold limit.

Asbestos is classed as being toxic (H6) and carcinogenic (H7). The threshold limit for carcinogenic materials (0.1%) is lower than the threshold for toxic materials (3%).

**This means that any material containing more than 0.1% asbestos is classed as hazardous waste.**

**2.2.5 It conforms to the description in the documentation supplied by the waste producer.**

Waste producers must complete a Consignment note for the movement of Hazardous and Healthcare Waste that provides detailed information on the contents of each consignment. This information is used to assess the suitability of the asbestos waste for acceptance and its final disposal route. It is therefore a condition of waste acceptance at the ARDF and Cell 30 that waste producers complete the notes as fully and accurately as possible.

**2.2.6 It is delivered to the ARDF and Cell 30 by a registered carrier of wastes.**

**2.3 Asbestos Waste Packaging Requirements**

2.3.1 Asbestos waste describes asbestos products or materials that are ready for disposal.

Asbestos waste will only be received if it is packaged as follows:

### **2.3.2 Non- Licensed Asbestos Waste:**

The asbestos waste should be visibly damp and, when bagged or wrapped, droplets of moisture should be evident.

Any asbestos waste, debris or contaminated materials should be doubled bagged in suitable, UN approved bags which contain the appropriate asbestos warning label. The inner bag should be sealed with tape and wiped clean before being carefully placed into the second bag, which should then also be sealed.

For **non-licensed** waste, both bags shall be clear, but a red asbestos bag or printed label with the UN Class 9 hazard diamond and UN 2590 must be securely attached to indicate it is asbestos waste.

### **2.3.3 Large Non-Licensed Asbestos Waste Items**

Wherever practicable, large items of rigid non- licensed asbestos containing material should not be broken up or cut down for disposal in UN Approved bags.

If the non- licensed asbestos waste, debris cannot fit into a waste bag, it must be double wrapped in two layers of 1000 gauge polythene sheet. A red asbestos bag or printed label with the UN Class 9 hazard diamond and UN 2590 should be securely attached to indicate it is asbestos waste.

### **2.3.4 Licensed Asbestos Waste**

The asbestos waste should be visibly wet and, when bagged or wrapped, droplets of moisture should be evident.

Licensed asbestos waste should be double bagged in suitable UN approved bags which contain the asbestos warning label with the UN Class 9 hazard diamond and UN 2212. The inner bag should be red and the outer bag should be clear.

### **2.3.5 Large Licensed Asbestos Waste Items**

Wherever practicable, large items of rigid licensed asbestos containing material should not be broken up or cut down for disposal in UN Approved bags.

If the licensed asbestos waste, debris cannot fit into a waste bag, it must be double wrapped in two layers of 1000 gauge polythene sheet. A red asbestos bag or printed label with the UN Class 9 hazard diamond and UN 2212 should be securely attached to indicate it is asbestos waste.

### **2.3.6 Contaminated soil**

Contaminated soil can be sent to the ARDF and Cell 30 by arrangement.

## **2.4 Transport requirements**

### **2.4.1 Asbestos delivered to the ARDF and Cell 30 will only be accepted if it is delivered as follows:**

- It should arrive securely sealed in suitable labelled UN approved bags, or wrapping.
- Any bags, wrapping or packaging used must be designed, constructed and maintained to make sure that no asbestos fibres can be released during handling or transport;
- No dangerous residue shall adhere to the outside of the packages during transport.



- Parts of packaging which are in direct contact with waste shall not be affected or significantly weakened by that waste or shall not cause a dangerous affect such as puncturing the packaging.
- That only a registered carrier of waste shall be used to transport asbestos waste to the ARDF and Cell 30.
- Vehicles should be placarded in accordance with road transport requirements ADR.
- Drivers will be appropriately supervised in accordance with site requirements, i.e. they will need to wear RPE and PPE as instructed by Dfl as they are required to enter the respirator zone at the ARDF and Cell 30.
- Drivers must bring a valid face fit certificate.
- Only skips appropriate for the transportation of asbestos will be accepted.
- Asbestos waste loads arriving in skips will be directed to a designated tipping zone within cell 30. Vehicles delivering asbestos wastes should therefore be capable of safely traversing Cell 30 and tipping their load.
- Asbestos skips free of other contaminants should be used (skips arriving with other contaminants for example ash will be rejected).
- Smaller Asbestos waste loads can also be delivered in a vehicle (van) with a segregated compartment for asbestos that is easily cleanable and lockable.
- Contractors that deliver wrapped/bagged licensed and non-licensed asbestos waste in vans will be responsible for offloading their own waste into the asbestos skip provided by Dfl at the ARDF. Contractors must be appropriately trained to handle asbestos
- During offloading they will be required to wear designated PPE/RPE for the respirator zone.
- Large or unusual items may require prior notice to be given to the ARDF, so arrangements for offloading can be made.
- Palletised asbestos waste that is appropriately wrapped can be delivered on flatbed trucks provided that it is secured and sheeted.
- Drivers must comply with the ARDF and Cell 30 site rules, and must not over load vehicles.
- All vehicular manoeuvres must comply with the site rules

### **3. Records**

**Dfl will record the following details for each consignment of waste entering the ARDF and Cell 30.**

- The date and time of arrival on site
- A copy of the waste consignment note and any other appropriate documentation
- The physical nature, type, quantity and as far as practicable, chemical composition and hazard characteristics.
- Where waste is to be located within the permitted site disposal areas
- Waste carrier and vehicle registration details
- Weight of the consignment