

# Swansea University

## Waste Management Guidance Note WMGN23 Laboratory and Workshop Glass and Glass (Sharps) Waste

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<b>Creation date:</b>	09/11/2018
<b>Review date:</b>	09/11/2019

<b>Waste Management Guidance Note WMGN23</b> <b>Laboratory and Workshop Glass and Glass (Sharps) Waste</b>	
Location Generated	Any Laboratory or workshop
EWC	18 01 03* / 20-01-02
Type	Controlled – Hazardous waste – chemically contaminated Non-hazardous – Non-contaminated
Disposal Method	Segregated for incineration Recycled for aggregate
Bin/Bag Type	Hazardous – 30l yellow topped, yellow ridged sharps box Non-hazardous - External 240L laboratory glass recycling bin

## Duty of Care Requirements

### Hazardous

EWC 17 02 04\* “glass, plastic and wood containing or contaminated with dangerous substances”

EWC 18 01 03\* “Waste whose collection and disposal is subject to special requirements in order to prevent Infection”

It is a legal requirement under the Hazardous Waste Regulations to segregate hazardous wastes from non-hazardous wastes. Incorrectly disposing of hazardous waste via a non-hazardous waste stream can lead to legal and financial penalties dependent upon the severity of the noncompliance.

The University has an appointed hazardous waste contractor whom supplies a laboratory and workshop glass (sharps) collection service to both Singleton and Bay campuses.

### Non-hazardous

EWC 15-01-07 “clean packaging, glass”<sup>1</sup>.

EWC 20-01-02 “Municipal wastes (Household waste and similar commercial, industrial and institutional wastes) including separately collected fractions; Glass”

### Items

Glass waste produced in both laboratories and University workshops may arise from a number of sources:

- Laboratory glassware (eg Pyrex)
- Chemical/solvent bottles (eg Winchesters)

Any broken glassware or glassware that is contaminated with hazardous materials, and/or cannot reasonably be decontaminated, must be disposed of as hazardous laboratory or workshop wastes.

Non-contaminated, unbroken glassware can be segregated for recycling.

<sup>1</sup> Containers must be empty to be classified as packaging

## Disposal Instructions

### **Hazardous - Broken and broken chemically contaminated glass**

#### **Internal Storage**

Chemically contaminated and broken glassware is to be segregated for hazardous disposal using 30L yellow sharps bins. Furthermore, if laboratory or workshop glassware has broken (so as to constitute a sharps hazard) it should be disposed of by the user in a 30L yellow-topped sharps bin.

Yellow sharps bins can be obtained and signed out from the following locations;

#### **Singleton Campus**

- SUMS: ILS1 Stores
- CoS: Wallace Stores

#### **Bay Campus**

- CoE: Engineering Service Yard Office

Each bin must have a **Broken Laboratory Glass Only** sign placed onto the front of the bin, which can be laminated by users and re-used. The sign can be found below.



Figure 1: Yellow sharps bin

## Disposal Instructions

### **Non-hazardous- clean non-broken glass**

#### **External Storage prior to disposal - Recycling**

Larger items of laboratory or workshop glassware (which don't constitute a sharps hazard) that are clean, unbroken with **no chemical residue** should have any metal, rubber or plastic fittings removed before being put carefully into one of the external 240L laboratory glass green recycling bins located around the Singleton and Bay Campuses.

**All glassware must be clean with no chemical residue, all labelling must be defaced, and items placed in clear bags and brought to specific 240L laboratory glass green recycling bin located;**

#### **Singleton**

- Grove Chemical Store
- ILS1 Stores (side entrance)
- Wallace (store entrance)

#### **Bay Campus**

- Engineering service yard



Figure 2: Green laboratory glass green recycling bin

Please note; Glass bottles (including chemical and solvent bottles) may be

<p><b><u>External Storage/ Disposal</u></b></p> <p>For disposal, ensure the lid is sealed for transport. Full sharps bins must be taken back to the following locations;</p> <p><b>Singleton Campus</b></p> <ul style="list-style-type: none"><li>- SUMS:ILS1 Stores</li><li>- CoS: Wallace Stores (dedicated external 1100 yellow bins) See stores staff for access</li></ul> <p><b>Bay Campus</b></p> <ul style="list-style-type: none"><li>- CoE: Engineering Service Yard Office (dedicated external 1100 yellow bins) See service yard office staff for access</li></ul>	<p>returned to the supplier for reuse or recycling if the supplier offers this service.</p>
<p><b>Disposal Cost</b></p> <p><b>Hazardous</b> There is a charge for this service, contact <a href="mailto:estates-waste@swansea.ac.uk">estates-waste@swansea.ac.uk</a></p> <p><b>Non-hazardous</b> There is no charge for this service</p>	
<p><b>For further guidance please contact <a href="mailto:Estates-Waste@Swansea.ac.uk">Estates-Waste@Swansea.ac.uk</a></b></p>	
<p><b>Forms and Labelling</b></p> <p>30L/60L Yellow rigid bin for broken and contaminated laboratory glass waste sign below</p> <p>All relevant forms, labels and further waste guidance can be found <a href="#">here</a>.</p>	

# WARNING HAZARDOUS WASTE



## BROKEN LABORATORY GLASS ONLY

30L YELLOW RIDGED CLINICAL BIN – YELLOW TOP – EWC 17 02 04 /18 01 03 \*

### ITEMS

**BROKEN AND CONTAMINATED LABORATORY GLASS ONLY**

**ONLY FILL TO THE LINE**

**NO NEEDLES / SCALPELS / METAL SHARPS / SYRINGES / BLADES**

**CONTAMINATED EMPTY WINCHESTERS CAN BE DISPOSED OF VIA THE CHEMICAL WASTE STORE**