

Waste Analysis Strategy for Liverpool BiInnovation Centre

WASTE TYPE	DESCRIPTION	VOLUME / QTY (PER MONTH)	TYPE	DISPOSAL METHOD	ADJUSTED FOR Bio	TYPE
Biological - Clinical Infectious	BioHazard Cat 2 or lower, Buccal Swabs, PCR Contaminated Consumables, Plates, Tissue Samples, Blood & Blood Products, Contaminated Gloves	6	Bags	Yellow Bags at source, then into *EWC Category 18 - ***18 01 03 BioWaste bin - sent for incineration	9.6	Bags
Biological - Clinical Infectious Sharps	BioHazard Cat 2 or lower, Contaminated Glassware, Pipette Tips, Microscope Slides, Blood Product Consumables	217.00	Litres	Sharps Bins at source, then into Category 18 01 03 BioWaste bin - sent for incineration	347.2	Litres
Biological - Clinical Non-Infectious	BioHazard Cat 2 or lower - Consumables, Gloves, Paper Towels, Packaging	16	Bags	Yellow Bags at source, then into Category **18 01 01 BioWaste bin - not necessarily sent for incineration	25.6	Bags
Biological - Clinical Non-Infectious Sharps	BioHazard Cat 2 or lower - Needles, Broken Glass, Pipettes & Tips	22	Units	Sharps Bins at source, then into Category 18 01 01 BioWaste bin - not necessarily sent for incineration	35.2	Units
Chemical - Halogenated Solvents	Chloroform, Dichloromethane	18.33	Litres	Green 5 litre cans at source filled only to 80% capacity (no more than 50 ltrs in lab) then sent to Stores for official disposal	29.328	Litres
Chemical - Non-Halogenated Solvents	Ethyl-Acetate, Acetone, Hexane, Methanol, Acetonitrile, Toluene, Ethanol, Dimethyl Sulphoxide	39.17	Litres	Red 5 litres cans at source filled only to 80% capacity (no more than 50 ltrs in lab) then sent to Stores for official disposal	62.672	Litres
Chemical - Dry	Magnesium Sulphate (Drying Agent)	100	Grams	Dried off in Fume Cupboard before being disposed of in either general waste or 18 01 01 BioWaste	160	Grams
Chemical - Specialist	Monomers in non-halogenated solvents, Sensitizers, Organic Base Bath, Aqueous Base Bath, Pigment Waters,	1.66	Litres	Appropriate storage at source, then arrangement with Specialist Waste Contractor for official disposal	2.656	Litres
Chemical - Contaminated Sharps	Glass Vials, Contaminated Consumables, Plastic Syringes, Disposable Cuvettes	104	Litres	Stored in Cin Bin at source, then sent to Stores for incineration by specialist waste contractor	166.4	Litres
GM	Bacteria, Micro-Organisms, Contaminated Consumables	4	Bags	Inactivation required (i.e Autoclaved, Soaked in Virkon) before placed in Yellow Bags at source, then into Category 18 01 01 BioWaste bin - not necessarily sent for incineration	6.4	Bags
Electrical	*****Laboratory Appliances, IT & Telecoms Equipment, Consumer Equipment, Lighting Equipment. Electrical & Electronic Tools, Medical Devices, Monitoring & Control Equipment, Automatic Dispensers, Display Equipment, Cooling Appliances containing refrigerants, Gas Discharge Lamps	1	Units	****WEEE approved disposal via Stores. Items are assessed for repair or removal of parts for use in non-related activities, before being sent for disposal	1.6	Units
General Office	Waste Paper, Printer Toner Cartridges	Paper - 2 Bags Toner - 4 units		Paper Recycling Bins, Toner Cartridges returned to supplier for recycling	Paper - 3.2 Toner - 6.4	
Domestic	Recyclable Kitchen Waste: Plastics, Tins & Newspapers, Food & Non-Recyclable Packaging	Recyclable - 12 Bags Food etc - 20 Bags		Recyclable waste sorted into Plastics, Tins & Paper. Food sent to general waste disposal	Recyclable - 19.2 Bags Food etc - 32	
* European Waste Catalogue Codes - Category 18: Wastes from Human or Animal Healthcare and/or related research						
** EWC 18 01 01: Wastes from natal care, diagnostics, treatment or prevention of disease in humans						
*** EWC 18 01 03: Wastes whose collection and disposal is subject to special requirements in order to prevent infection						
**** EC Directive on Waste Electrical & Electronic Equipment 2009						
***** UK Defined WEEE Product Categories						