SEGREGATION AND HANDLING OF HEALTHCARE WASTE

Based on a document produced by Ken Walker

Health Facilities Scotland

GENERIC GUIDANCE ONLY. EACH FUNCTIONAL UNIT TO UNDERTAKE A WASTE MANAGEMENT RISK ASSESSMENT IN ASSOCIATION WITH BOARD'S WASTE MANAGEMENT OFFICER.

INSIGNIFICANT RISK

Source / Prime EWC Code(s)

- Mixed or Segregated Dry Recyclables, Paper, Food & Organics, Batteries, Cardboard & Other Wastes or Surplus Materials - Source segregated — 20-01-99/XX
- Residual waste following removal at source of all recyclates — 20 -03 -01
- Mattresses, Carpets and Building Fabric Items, Equipment etc — 20-01-99
- Hygiene / Sanpro Waste Non-Infectious sanitary waste inc. nappies & Inco pads — 20-01-99 / 18-01-04

Container & Colour Codes

- Clear Bag placed in Recycling Bin
- Black or Clear Bag
- Assumes items are not contaminated or have been decontaminated.
- For bag colour ref to local procedures

Internal Handling & On-Site Transport

- Dry Recyclables / Paper / Food & Organics / Other - see guide
- Bags collected and placed in dedicated wheeled bins or bulk skip containers.
- place in purpose dedicated Bulk Skip Containers for specific Waste type.
- Hygiene Waste should not be compacted

Storage

- Held securely in waste storage area for period up to 7 days, but normally collected more frequently.
- Held securely in waste storage area.

Transfer and or Consignment Notes

- Transfer Note with each uplift confirming EWC & tonnage of Waste or Material.

Off-Site Transport

- Dedicated vehicles

Recovery Reuse or Recycling / Treatment & Final Disposal

- Re-use or Recycling of source segregated materials for Materials Recovery
- LANDFILL

ORANGE STREAM (LOW RISK) SPECIAL WASTE

- Sharps used syringes, vials and similar invasive devices etc — 18-01-03 — Orange Top Leakproof Sharpsbin
- Broken Glass, Blood & Contaminated Liquids (incl Bag, Tube & Suction sets), Unrecognisable Tissue and Dialysis Waste — 18-01-03 — Orange Top Leakproof Bin
- Infectious waste Including dressings, swabs, disposables used PPE, contaminated wipes, spillage sets, nappies, incontinence pads, and laboratory Waste — 18-01-03 — Orange Bag
- Microbiological Culture and Pathogenic Laboratory Wastes except vCJD TSE etc — Light Blue Bag → On Site Autoclave Sterilization → 18-01-03 — Orange Bag — to be rendered unrecognisable

Orange Stream containers collected and placed in dedicated wheeled bins.

ALL SHARPS bins to be labelled 'SHARPS'.

ALL volume BLOOD from BTS or Theatre to be labelled 'BLOOD'.

Wheeled bins uplifted from clinical areas must be decontaminated prior to return.

Held securely in waste storage area for period up to 7 days, but normally collected more frequently.

For Sharps and Medicinal Products arising in small quantities in primary care / community settings uplift be up to 3 months, but normally uplifted every month.

Dedicated vehicles

In primary care / community settings orange stream containers may be transported in vans or small vehicles.

Bags should be physically separated from Bins (rigid containers) within vehicle.

MACERATION & HEAT TREATMENT (Orange Stream bags & bin containers)

Re-use or Recycling after Treatment for Materials Recovery

Post-Treatment of Un-Recoverable Residues

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YELLOW STREAM (HIGH RISK and ETHICAL) SPECIAL WASTE

- Medicinal Products In practice this waste stream contains a mixture of non-chemotherapy Cyto medicinal products (hormonal, immunosuppressant and anti-viral drugs) & other Medicinal products — 18-01-08 — Blue Top Leakproof Bin
- Cytotoxic and Cytostatic Medicines chemo-therapy wastes — 18-01-08 (18 01 03)* — Purple Top Leakproof Bin
- Teeth - from Dental Care - without Amalgam fillings. — 18-01-03 — Yellow Top Leakproof Bin
- Recognisable Body Parts, Tissue and Organs inc placenta - from A&E, Maternity Surgery & Pathology — 18-01-03 — Red or Yellow Top Leakproof Bin, Placanta Pak or doubled bagged yellow bag
- Contaminated Metal Parts (Pins, Joints & Prosthesis) Surgical Instruments and Infectious COSHH Haz Grp 3, vCJD/TSE etc — 18-01-03 — Double Bagged or Red Top Leakproof Bin

Yellow Stream containers collected and placed in dedicated wheeled bins.

Wheeled bins uplifted from clinical areas must be decontaminated prior to return.

secure in dedicated storage room or compound at room temperature, exceptionally, up to a maximum of 6 months, but normally for uplift every week in hospitals and every month in the community.

Yellow Stream containers collected very frequently and placed in dedicated wheeled bins.

12 hours maximum storage at room temperature.

Wheeled bins uplifted from clinical areas must be decontaminated prior to return.

Storage of ETHICAL waste

In Yellow double bags or bin containers	At room temp	+2°C to +8°C	-18°C
	No more than 12 hours	Up to 3 days	> 3 days to 12 months

secure in temperature controlled storage area

Dedicated vehicles

In primary care / community settings yellow stream containers may be transported in vans or small vehicles.

Dedicated vehicles

In primary care / community settings yellow stream containers may be transported in vans or small vehicles **with temperature controlled storage.**

SPECIALIST INCINERATION with heat recovery

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RED STREAM Special Arrangements

- Amalgam Waste - surplus Amalgam from Dental Care, Including Teeth with Amalgam — 18-01-10 (18 01 03)* — Amalgam
- Chemical Waste from healthcare processes - including surplus X-Ray associated photography processing developer, fixer, including Heavy metal compounds (i.e. Silver, Lead, Cadmium, Lithium etc) and similar substances in CHIP 4 — See EWC Chapter 09 — Primary Container placed into Red Stream IBC Container

Red top with either red or white body.

Leakproof container with Hg suppressant

Primary Container placed into Red Stream IBC Container

Specific specialist Handling, Transport to comply with ADR

Specialist arrangements for Recovery

Re-use or Recycling after Treatment for Materials Recovery

Post-Treatment of Un-Recoverable Residues

SPECIALIST INCINERATION with heat recovery

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OTHER ARRANGEMENTS

- Implants and Pacemakers - post decont -amination from Surgery & Revisions. Including Energy Sources — 16-02-13
- Radioactive Waste - including nuclear medicines and radio-Isotopes — N/A

Specific specialist Handling, Transport to comply with ADR

Specialist arrangements for Recovery

Handling, Storage and Disposal to comply with Radioactive Substances Act 1993, the Special Waste Regulations 1996 as amended

See RPA Method Statement to SEPA / EA Authorisation

SPECIALIST INCINERATION with heat recovery

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CONSIGNED AS SPECIAL (HAZARDOUS) WASTE. Consignment Note must provide applicable special waste EWC codes and written description of the waste along with details (weight, etc.) of the load.

* If infectious waste is also present EWC code 18 01 03 should also be used.

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