

Healthcare (clinical) Waste Awareness

Disposal of Dental Service Waste

Dental services in NHS Boards, where applicable, can now use the healthcare (clinical) waste service provided by the NHS Board for the uplift and disposal of all the dental healthcare wastes arising.

The legislation and NHSScotland policy, procedures and best practice guidance regarding the storage, collection and disposal of this waste is extensive. This is based on the producer of the waste (**YOU**) source segregating the waste into containers for particular risk based waste streams. This simple procedure permits the waste to be correctly sent to the particular recycling, recovery, heat disinfection or incineration facility for safe “disposing” of specific wastes.

It is your individual duty to ensure that all involved in this to have awareness training, regarding the participation and issues surrounding the safe procedures. This document is aimed as summary guidance and is not an extensive explanation of all the complex legislation or contract arrangements regarding this subject. Should you require further help or advice, please contact the appropriate department at NHS Board.

ALL Dental Service Waste is also subject to the regulatory requirements of the Special Waste Regulations – e.g. ALL Dental Service Waste IS Special Waste.

The 3 distinct streams of waste which will be dealt with are:

1. **Orange Stream - Low Risk Healthcare (clinical) Waste.** (For NHS Boards this is taken to Arbroath, or Cumbernauld, or Shotts for Heat Disinfection, except in NHSBorders where it is disposed as if it were Yellow Stream in-house at Melrose).
2. **Yellow Stream - Waste High Risk Healthcare (clinical) Waste.** (For NHS Boards this is generally taken to Knothrop near Leeds in England for incineration, except in NHSBorders where it is disposed in-house at Melrose).
3. **Red Stream – Particular Special Wastes.** (taken to various facilities in England for recovery).

It is important from the outset that all waste is source segregated and placed into appropriate fit for purpose (and suitably labelled) containers. Describing the waste is part of the audit trail and will ensure success in reaching the correct “disposal” facility. Misuse, or poor segregation or mis-consignment will result in higher costs and can lead to prosecution by the enforcement agencies.

At present the principal agencies are:

Health and Safety Executive (HSE)

Scottish Environmental Protection Agency (SEPA)

It should be noted that the above agencies have power to prosecute both individuals and companies, and issue severe penalties which could impact on your ability to operate.

Audit Scotland also monitor and report to Scottish Executive on the performance of waste management in the delivery of NHS Board services.

Orange Stream Waste

This stream is for low risk waste. For Dental Service low risk waste, the provision of orange stream bags supplied by the NHS will normally be sufficient. Orange bags should be uplifted and disposed of on a frequent basis to include the following wastes:

- ✓ Dressings and Swabs;
- ✓ Disposables such as gloves, aprons, masks, contaminated wipes etc;
- ✓ or any other items which have been in contact with the patient.

See Appendix 1 and 2.

Where – Broken Glass and Blood and Contaminated Liquids, including bags and tubes arise, these can be disposed of as low risk healthcare waste in the Orange Stream in Orange Stream bin containers. However (and to avoid unnecessary clutter) as the quantities of these wastes are usually very low in dental surgeries, then it is acceptable to place such waste into the Yellow Stream waste bin container. It may be necessary to provide Orange Stream bin containers in Teaching Hospitals and Maxillofacial Units.

Yellow Stream Waste

This stream is for high risk waste. For Dental Service high risk waste, the provision of a single yellow stream bin container as supplied by the NHS will normally be sufficient for any or a mixture of all the waste arising in each surgery. Yellow stream bins should be uplifted and disposed of on a frequent basis to include the following wastes:

- ✓ Recognisable Body Parts – e.g. Teeth with fillings, BUT WITHOUT Amalgam fillings;
- ✓ Pharmaceuticals and Pharmacy Chemicals – e.g. Medicines and Anaesthetics;
- ✓ Used or Unused Sharps – e.g. sharps – matrix bands, scalpel blades, needles/ disposable syringes - discharged or partially discharged;
- ✓ Used or Unused Drug Vials – e.g. cartridges and ampoules - discharged or partially discharged;
- ✓ Contaminated Metal Parts such as Disposable or Used or Broken Surgical Instruments e.g. – single use burs and endodontic files;
- ✓ Highly Infectious Waste such as Infected Blood.

See Appendix 1 and 2.

On no account should Yellow stream bin containers be placed in to Orange stream waste bags.

Red Stream Waste

This stream is for particular dental service waste, which cannot be incinerated and requires specialist waste reprocessing, so that chemicals can be recovered and dealt with to minimise damage to the environment. For Dental Service Red Stream wastes, the provision of a range of clearly labelled red colour coded bins for specific waste types supplied by the NHS will be required. i.e. use a separate container for each waste type. These containers are for specific individual waste types and are available on request from the NHS Board, but may take a few days to arrive. Red stream bins should be uplifted and disposed of on a frequent basis to include the following particular wastes:

- ✓ Amalgam;
- ✓ Amalgam Capsules;
- ✓ Teeth with Amalgam Fillings;
- ✓ Lead Foils;
- ✓ Individual X-Ray fluids;
- ✓ Individual Photo Developer fluids;
- ✓ Any other Individual Photochemical fluids;
- ✓ Or any other items which contain “heavy” metals.

See Appendix 1 and 2.

General Dental Service Waste Issues

All waste containers (bags and bins) must identify the source location of the waste. For bags these should carry an identification tag which will be issued at the start of the service. For bins the pre-printed label must be completed.

Bags should be disposed frequently, when three quarters full - but containing no more than 4 kg of waste - and must be correctly tied and secured. See Appendix 2.

The Orange Stream is the lower cost of all disposal streams.

All Dental Service waste is now classified as Special Waste, and cannot be uplifted or removed without prior notice on consignment being given to SEPA (3 working days). NHS Boards provide a range of Healthcare (clinical) Waste services following collection round schedules, but they will need notice to make the necessary arrangements before the waste from any new services can be uplifted.

There is also legal documentation to be completed before and at time of uplift. This will have to be signed by the designated person at the location/premises acting as the “Producer of the Waste” (under the requirements of the Regulations). The driver will leave a copy of the SEPA SA consignment note and a record of the uplift. These are legal documents and must be signed by the designated person, and retained by the “Producer of the Waste” for three years. See Appendix 3 and 4.

General “Household” Waste

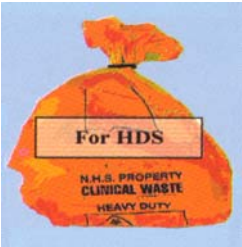


General “Household” Waste – now termed Mixed Municipal Waste, is any other waste that is not contaminated, hazardous or potentially infectious (i.e. not Healthcare (clinical) Waste). It is normally placed into black bags for the Black Stream, which are usually placed into Trade Waste Wheeled bins for a (charged for) collection by Local Authority or Contractor.

Disposable sanitary towels, tampons, nappies and similar human hygiene waste arising from staff and / or the public should be placed into small paper or small black plastic bags / bin liners to avoid offensiveness issues, then placed into the normal size black bags for disposal in the Black Stream. These wastes should not be compacted.

COLOUR CODING FOR WASTE DISPOSAL

APPENDIX 1

All waste containers (bags and bins) must identify the source location of the waste. For bags these should carry an identification tag which will be issued at the start of the service. For bins the pre-printed label must be completed.

TYPE OF WASTE	CONTAINER	DETAILS & COMMENTS
<p>For Dental Service low risk healthcare (clinical) waste:</p> <ul style="list-style-type: none"> ✓ Dressings and Swabs; ✓ Disposables such as gloves, aprons, masks, contaminated wipes etc; ✓ or any other items which have been in contact with the patient. ✗ NO SHARPS OR CONTAMINATED METAL PARTS 	 <p style="text-align: center;"><u>ORANGE STREAM BAG</u></p>	<p>Any waste for disposal by Heat Disinfection System (HDS) in the ORANGE STREAM to be placed into UN type approved Orange Plastic bags supplied by the NHS.</p> <p>SHARPS OR CONTAMINATED Metallic items must not be disposed of in this waste bag.</p> <p>Bags should be filled to the manufacturers fill line, and securely sealed with a ratchet tag.</p>
<p>For Dental Service low risk healthcare (clinical) waste:</p> <ul style="list-style-type: none"> ✓ Broken Glass ✓ Blood and Contaminated Liquids, including bags and tubes 	 <p style="text-align: center;"><u>ORANGE STREAM BIN</u></p>	<p>Any waste for disposal by Heat Disinfection System (HDS) in the ORANGE STREAM to be place into UN Type approved Rigid Sharps Bin containers complying with the British Standard 7320, <u>suitably identified</u> for disposal in the Heat Disinfection System (HDS) ORANGE STREAM.</p> <p>Containers should be filled to the fill line, the label completed and source identified.</p> <p>However (and to avoid unnecessary clutter) as the quantities of these wastes are usually very low in dental surgeries, is acceptable to place such waste into the Yellow Stream waste bin container. It may be necessary to provide Orange Stream bin containers in Teaching Hospitals and Maxillofacial Units.</p>
<p>For Dental Service high risk healthcare (clinical) waste:</p> <ul style="list-style-type: none"> ✓ Recognisable Body Parts – Teeth with fillings, BUT WITHOUT Amalgam fillings; ✓ Pharmaceuticals and Pharmacy Chemicals – Medicines and Anaesthetics; ✓ Used or Unused Sharps – sharps – matrix bands, scalpel blades, needles/ disposable syringes; ✓ Used or Unused Drug Vials – cartridges and ampoules; ✓ Contaminated Metal Parts such as Disposable or Used or Broken Surgical Instruments – single use burs and endodontic files; ✓ Highly Infectious Waste such as Infected Blood. 	 <p style="text-align: center;"><u>YELLOW STREAM BIN</u></p>	<p>Any waste for disposal by incineration in the YELLOW STREAM to be place into UN Type approved Rigid Sharps Bin containers complying with the British Standard 7320, <u>suitably identified</u> for disposal by incineration in the YELLOW STREAM, with the waste type marked INDELIBLY in BOLD.</p> <p>Containers should be filled to the fill line, the label completed and source identified.</p> <p>On no account should Yellow stream bin containers be placed in to Orange or Red streams.</p>

For particular Dental Service Red Stream waste:

- ✓ Amalgam;
- ✓ Amalgam Capsules;
- ✓ Teeth with Amalgam Fillings;



Any waste for recovery in the **RED STREAM** to be placed into UN Type approved leakproof Rigid Bin containers suitably identified for recovery / disposal in the **RED STREAM**, with the waste type marked **“AMALGAM” INDELIBLY in BOLD.** Where Amalgam Capsules or Teeth with Amalgam fillings are involved this should be specifically marked.

Containers should be filled to the fill line, the label completed and source identified.

- ✓ Lead Foils;



Any waste for recovery in the **RED STREAM** to be placed into UN Type approved, leakproof where necessary, Rigid Bin container suitably identified for recovery / disposal in the **RED STREAM**, with the waste type marked **“LEAD FOILS” INDELIBLY in BOLD.**

Containers should be filled to the fill line, the label completed and source identified.

- ✓ Individual X-Ray fluids;
- ✓ Individual Photo Developer fluids;
- ✓ Any other Individual Photochemical fluids;



Any waste for recovery in the **RED STREAM** to be placed into UN Type approved leakproof Rigid Bin container suitably identified for recovery / disposal in the **RED STREAM**, with the specific waste type marked **INDELIBLY in BOLD.**

Containers should be filled to the fill line, the label completed and source identified.

- ✓ Or any other items which contain “heavy” metals.



Any waste for recovery in the **RED STREAM** to be placed into UN Type approved, leakproof where necessary, Rigid Bin container (*normally all Red*) suitably identified for recovery / disposal in the **RED STREAM**, with the specific waste type marked **INDELIBLY in BOLD.**

Containers should be filled to the fill line, the label completed and source identified.

RED STREAM BINS

On no account should Red stream bin containers be placed in to the Orange or Yellow streams.

For Dental Service NON-INFECTED HOUSEHOLD WASTE:

Place in Black plastic 300g bags
Then placed in Trade Waste
“Wheelie” Bins



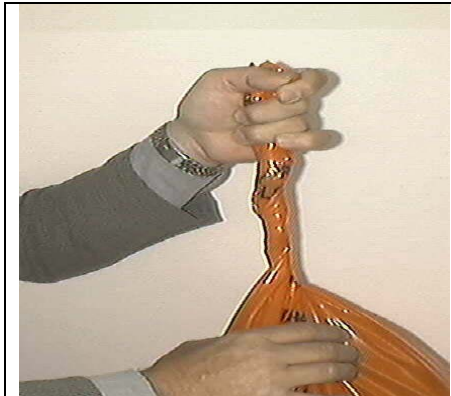
Bags should be filled to the manufacturers fill line and securely sealed.

Do NOT use clinical waste ratchet tags to seal black bags.

BLACK STREAM BAG

SEALING THE WASTE BAG

APPENDIX 2



Hold the bag by the neck and twist until tight.



Fold over the neck of the bag to form a "Swan Neck".



Place ratchet type clinical waste tag around the folded neck of orange and yellow bags and tighten until a sturdy, secure seal has been made. Black waste bags should be sealed with closure tape instead of ratchet tags.



When bags are securely sealed they should be disposed of in accordance with the NHS Board "Waste Management Policy"

The "swan neck" method of sealing should be used for all orange and black bags.

PRENOTIFICATION COPY

{CONSIGNOR TO SEND TO CONSIGNEE'S AGENCY OFFICE}

QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.

SPECIAL WASTE REGULATIONS 1996

No of prenotice (if different)

Consignment Note No
Sheet of

A CONSIGNMENT DETAILS

PLEASE TICK IF YOU ARE A TRANSFER STATION

1. The waste described below is to be removed from (name, address) POSTCODE

--	--	--	--	--	--	--	--	--	--
2. The waste will be taken to (name, address & postcode)
3. The components will be: one single a succession carrier's round other please specify
4. Expected removal date of first consignment : last consignment:
5. Name on behalf of (company, address & postcode)
Signature The waste producer was (if different from 1.)
(name, address)
6. POSTCODE

--	--	--	--	--	--	--	--	--	--

B DESCRIPTION OF THE WASTE

No of additional sheets

--

1. The waste is 2. Six digit EWC Code(s)
3. Physical form Liquid Powder Sludge Solid Mixed Gas 4. Colour:
5. Total quantity for removal (include units; kg/ltr/tonnes) Container size; type & number
6. The chemical/biological components that make the waste special are

Component	Concentration (% or mg/kg)	Component	Concentration (% or mg/kg)
7. The hazard codes (e.g. H7) are:
8. The process giving rise to the waste is:

C CARRIER'S CERTIFICATE

I certify that I today collected the consignment and that the details in A1, A2 and B1 are correct. The Quantity collected is;

Name on behalf of (company, address & postcode)

Signature Date at hrs.

1. Carrier's registration No/reason for exemption;
2. Vehicle Registration No (or mode of transport, if not road):

D CONSIGNOR'S CERTIFICATE

I certify that the information in B & C above is correct., that the carrier is registered or exempt & was advised of the appropriate precautionary measures.

Name on behalf of (company, address & postcode)

Signature Date

E CONSIGNEE'S CERTIFICATE

1. I received this waste on
2. Quantity received (include units; kg/ltr/tonnes etc):

3. Vehicle registration no.
4. Waste Management Operation(s):

I certify that waste management licence/authorisation/exemption no. _____ authorises the management of waste described in B.

Name on behalf of (company, address & postcode)

Signature

Date

SPECIAL WASTE REGULATIONS 1996
CARRIER SCHEDULE

CONSIGNOR'S COPY

CONSIGNMENT NOTE No _____
Sheet of _____

Name and address of premises from which waste was removed:

Consignment Note No.

Waste	Quantity

I certify that today I collected the quantity of waste given on this part of the schedule from the address given here and will take it to the address given in A2 on the consignment note.

Name (Carrier)	Signature
Date at hrs.	

I certify that the waste collected is as detailed above and conforms with the description given in B on the consignment note.

Name (Consignor)	Signature:
Date:	

Name and address of premises from which waste was removed:

Consignment Note No.

Waste	Quantity

I certify that today I collected the quantity of waste given on this part of the schedule from the address given here and will take it to the address given in A2 on the consignment note.

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Date:	