



# WISCONSIN DEPARTMENT OF CORRECTIONS

Governor Tony Evers / Secretary Kevin A. Carr

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## GUIDANCE DOCUMENT CERTIFICATION

I have reviewed this guidance document or proposed guidance document and I certify that it complies with sections §227.10 and §227.11 of the Wisconsin Statutes.

I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is not explicitly required or explicitly permitted by a statute or a rule that has been lawfully promulgated.

I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is more restrictive than a standard, requirement, or threshold contained in the Wisconsin Statutes.

*James Greer*

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Name of Individual Certifying this Document/Proposed Document

*Director, Bureau of Health Services*

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Title


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Signature

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Date Signed

Department of Corrections – Wisconsin  
Office of the Secretary  
Wis. Stat. § 227.112(6)  
DOC-2910 (6/2019)

 <p style="text-align: center;"><b>DIVISION OF ADULT INSTITUTIONS</b></p> <p style="text-align: center;"><b>POLICY AND PROCEDURES</b></p>	<b>DAI Policy #:</b> 500.40.26	<b>Page</b> 1 of 4
	<b>Original Effective Date:</b> 01/31/07	<b>New Effective Date:</b> 04/15/19
	<b>Supersedes:</b> 500.40.26	<b>Dated:</b> 02/15/17
	<b>Administrator's Approval:</b> Makda Fessahaye, Administrator	
<b>Required Posting or Restricted:</b>		
<input checked="" type="checkbox"/> <b>Inmate</b> <input checked="" type="checkbox"/> <b>All Staff</b> <input type="checkbox"/> <b>Restricted</b>		
<b>Chapter:</b> 500 Health Services		
<b>Subject:</b> Hazardous Dental Waste Management		

**POLICY**

In order to prevent toxic or ignitable hazardous dental wastes from entering the sewer system and environment, the Division of Adult Institutions shall ensure all types of dental waste materials generated in the dental clinic are disposed of in compliance with the environmental goals, guidelines and rules of all professional, state and federal entities.

**REFERENCES**

Wisconsin Administrative Code Ch. NR 526 – Medical Waste Management  
A Guide for Dentists: How to Manage Waste From Your Dental Practice – University of Wisconsin-Extension Solid & Hazardous Waste Education Center – 425.SB.9602  
 American Dental Association, October 2007  
Toxic and Hazardous Substances, 29 CFR Part 1910, Subpart Z. OSHA  
Attachment – Waste Disposal Chart

**DEFINITIONS, ACRONYMS AND FORMS**

CFR – Code of Federal Regulations

Chairside Trap – A reusable or preferably, disposable filter at each dental chair that captures amalgam waste particles during amalgam replacement or removal procedures.

Contact Amalgam – Amalgam that has been in contact with the patient, such as extracted teeth with amalgams, carving scrap, traps, vacuum pump filters and screens.

DOC – Department of Corrections

EPA – Environmental Protection Agency

Non-Contact Amalgam (scrap) – Excess mix leftover at the end of a dental procedure that has not come into contact with the patient or patient care items.

NR – Natural Resources

Office Waste – Office wastes separated for recycling include: paper, cardboard, aluminum and glass.

OSHA – Occupational Safety and Health Administration

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Regulated Waste – Means liquid or semi-liquid blood or other potentially infectious materials; contaminated items that would release blood or other potentially infectious materials in a liquid or semi-liquid state if compressed; items that are caked with dried blood or other potentially infectious materials and are capable of releasing these materials during handling; contaminated sharps; and pathological and microbiological wastes containing blood or other potentially infectious materials.

Sewered – Disposing of a waste material by pouring down the drain followed by copious flushing with water.

Silver Filter System – Equipment designed to recover silver from fixer solution.

UPS – United Parcel Service

## **PROCEDURES**

### **I. General**

#### **A. Amalgam**

1. Although amalgam is the most commonly used material for fillings, alternative materials shall be considered when appropriate.
2. Empty amalgam capsules are disposed in a non-contacted container or contact amalgam container ordered from dental vendor.
3. Contact amalgam shall be kept separated from non-contact amalgam when storing and sending for recycling.
4. Keep a log for amalgam waste hauled off site for recycling. Obtain and keep the waste recycling certificate from the disposal agent.

#### **B. X-ray film**

1. Exposed film is a hazardous waste due to its silver content.
2. Exposed film must be recycled.

#### **C. X-ray fixer**

1. Fixer is a hazardous waste due to its silver content.
2. All dental x-ray processors, plumbed or non-plumbed, shall have an operational silver filter that has been purchased from a vendor in contract with the DOC.
  - a. The vendor shall provide a UPS label for use in proper disposal of the filter.
  - b. A recycling log shall be kept in the dental unit for verification.
3. Filtered fixer may be sewered.

#### **D. X-ray developer**

1. Used developer solutions are non-hazardous.
2. Used developer may be sewered.

#### **E. X-ray developer cleaners**

1. Cleaners containing chromium are hazardous. Do not purchase.
2. Non-chromium cleaners may be sewered.

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- F. Lead foil, shields or aprons
  - 1. Lead is a hazardous waste.
  - 2. Lead shall be collected and recycled.
  
- G. Disinfectants
  - 1. Used disinfectant shall be diluted with water.
  - 2. Expired diluted disinfectant shall be sewerred.
  
- H. Chemiclave waste
 

Used chemiclave waste may be diluted with water then sewerred.
  
- I. Unused chemiclave chemicals, alcohol, acetone, ethers, peroxides
  - 1. Unused chemical is hazardous waste.
  - 2. Avoid purchasing excess chemical which expires. Use hazardous waste disposal service if this is unavoidable.

**II. Disinfecting Contact Amalgam Waste Prior to Recycling**

- A. Pour an EPA approved fast-acting sterilant, such as 12 minute "Cidex OPA Solution", over the contact amalgam waste and let air dry.
  
- B. Place the disinfected contact amalgam in the contact amalgam container.

**Bureau of Health Services:** \_\_\_\_\_ **Date Signed:** \_\_\_\_\_  
 James Greer, Director

\_\_\_\_\_ **Date Signed:** \_\_\_\_\_  
 Paul Bekx, MD, Medical Director

\_\_\_\_\_ **Date Signed:** \_\_\_\_\_  
 Mary Muse, Nursing Director

\_\_\_\_\_ **Date Signed:** \_\_\_\_\_  
 Dr. Man Lee, Dental Director

**Administrator's Approval:** \_\_\_\_\_ **Date Signed:** \_\_\_\_\_  
 Makda Fessahaye, Administrator

**DIVISION OF ADULT INSTITUTIONS FACILITY IMPLEMENTATION PROCEDURES**

<b>Facility:</b> Name		
<b>Original Effective Date:</b>	<b>DAI Policy Number:</b>	<b>Page</b> 4 of 4
<b>New Effective Date:</b> 00/00/00	<b>Supersedes Number:</b>	<b>Dated:</b>
<b>Chapter:</b> 500 Health Services		
<b>Subject:</b> Hazardous Dental Waste Management		
<b>Will Implement</b> <input type="checkbox"/> As written <input type="checkbox"/> With below procedures for facility implementation		
<b>Warden's/Center Superintendent's Approval:</b>		

**REFERENCES**

**DEFINITIONS, ACRONYMS AND FORMS**

**FACILITY PROCEDURE**

- I.
  - A.
  - B.
    - 1.
    - 2.
      - a.
      - b.
      - c.
    - 3.
  - C.

II.

III.

**RESPONSIBILITY**

I. Staff

II. Inmate

III. Other

**DAI 500.40.26 – Hazardous Dental Waste Management  
Attachment – Waste Disposal Chart  
Effective: 02/15/17**

DENTAL WASTE TYPE	SOURCE	DISPOSAL METHOD
Non-Contact Amalgam	Excess leftover mix	Use Mailer, send to: <b>PMP Company</b> PO Box 223123 Denver, CO 80222-0313 303-758-2566
Contact Amalgam	Extracted teeth with amalgams	Disinfect for 10 minutes in 1:10 bleach solution or sterilant. Disposal of tooth in "Contact Amalgam Waste" container ordered from dental supply contractor.
	Carving scrap	Place in "contact amalgam" container and treat as non-contact amalgam.
	Disposable traps	Disinfect with a sterilant. Place in Amalgon "contact amalgam" container.
	Vacuum pump, separator filters, screens and Amalgam separator filter	Decant any fluids down drain, disinfect filter or trap with a sterilant, then place into Amalgon "contact amalgam" container. Amalgam separator filter should be sent to qualified waste management vendor. Log and certificate should be kept on site.
	Do not place more than one pound of elemental mercury in the container. Order a new container before full container is mailed through UPS.	Place in Amalgon "contact amalgam" container. Order Amalgon from: <b>Dental supply contractor</b> UPS Pickup label included.
Empty Amalgam Capsules	Amalgam placement	Disposal in "Non-Contact Amalgam" container ordered from dental supply contractor.
Lead foil, shields, aprons	X-rays	Place in "FOILGON" WCM, Inc. container. <b>Dental supply contractor</b> UPS Pickup label included.
X-ray Developer	X-ray Processor	Sewer
X-ray Fixer	Plumbed or non-plumbed x-ray processor	Purchase "IC CARE" silver filter from Dental supply contractor. Fixer Treatment System Co. <a href="http://www.fixer.net">www.fixer.net</a> (for installation instructions) 760-746-4281 UPS Pickup label included. Remaining filtered fixer can be sewered. Log and certificate shall be kept on site.
X-ray processor cleaners containing chromium	(Check MSDS sheets)	Use non-chromium cleaners.
Formaldehyde-containing chemicals	(Check MSDS sheets)	Contact municipal sewer department to ask if the volume generated can be sewered.
<u>Used</u> chemiclave chemicals	Sterilization process Flammable	<b>Dilute</b> the spent solution 4:1 water:chemical, then sewer.
<u>Unused</u> chemical from sterilizer, or alcohols, acetone, ethers, peroxides	Leftover from procedures/treatment. Flammable.	Hazardous waste
Disinfectants		Sewer
Ultrasonic Cleaning Solutions	Pre-sterilizing instruments. (Check MSDS sheets)	If nonhazardous, sewer. If hazardous, follow manufacturer directions.
Bloodied items: Non-droppable, non-pourable	Treatment	Garbage.
Drippable or pourable. Bloody anesthetic carpules	Treatment	Red infectious waste bag.
Extracted teeth w/o amalgam fillings	Treatment	Red infectious waste bag.
Sharps: 1. Needles, scalpels, reamers, broaches. 2. Used anesthetic carpules, non-bloody.	Treatment	1. Dispose into rigid puncture-resistant red container labeled "Sharps" & "Biohazard". 2. Dispose into a rigid puncture-resistant container labeled "Non-Hazardous Sharps". When either container is full, turn in to HSU or Security for disposal.
Office Waste		<b>Separate</b> all glass, plastic, paper, cardboard, aluminum into separate trash cans for recycling.