

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

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

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