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.

_____________________________________________________
Name of Individual Certifying this Document/Proposed Document

_____________________________________________________
Title

_____________________________________________________
Signature

Date Signed

3099 E. Washington Ave. PO Box 7925 Madison, WI 53707 Phone: (608) 240-5000 doc.wi.gov
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
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
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.
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 sewered.

H. Chemiclave waste
   Used chemiclave waste may be diluted with water then sewered.

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.
DIVISION OF ADULT INSTITUTIONS FACILITY IMPLEMENTATION PROCEDURES

<table>
<thead>
<tr>
<th>Facility: Name</th>
<th>DAI Policy Number:</th>
<th>Page 4 of 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original Effective Date:</td>
<td>DAIS Policy Number:</td>
<td>Page 4 of 4</td>
</tr>
<tr>
<td>New Effective Date: 00/00/00</td>
<td>Supersedes Number:</td>
<td>Dated:</td>
</tr>
</tbody>
</table>

Chapter: 500 Health Services

Subject: Hazardous Dental Waste Management

Will Implement □ As written □ 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
<table>
<thead>
<tr>
<th>DENTAL WASTE TYPE</th>
<th>SOURCE</th>
<th>DISPOSAL METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Contact Amalgam</td>
<td>Excess leftover mix</td>
<td>Use Mailer, send to:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>PMP Company</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PO Box 223123</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Denver, CO 80222-0313</td>
</tr>
<tr>
<td></td>
<td></td>
<td>303-758-2566</td>
</tr>
<tr>
<td>Contact Amalgam</td>
<td>Extracted teeth with amalgams</td>
<td>Disinfect for 10 minutes in 1:10 bleach solution or sterilant. Disposal of tooth in “Contact Amalgam Waste” container ordered from dental supply contractor.</td>
</tr>
<tr>
<td>Carving scrap</td>
<td></td>
<td>Place in “contact amalgam” container and treat as non-contact amalgam.</td>
</tr>
<tr>
<td>Disposable traps</td>
<td></td>
<td>Disinfect with a sterilant. Place in Amalgon “contact amalgam” container.</td>
</tr>
<tr>
<td>Vacuum pump, separator filters, screens and Amalgam separator filter</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Empty Amalgam Capsules</td>
<td>Amalgam placement</td>
<td>Disposal in “Non-Contact Amalgam” container ordered from dental supply contractor.</td>
</tr>
<tr>
<td>Lead foil, shields, aprons</td>
<td>X-rays</td>
<td>Place in “FOILGON” WCM, Inc. container.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Dental supply contractor</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UPS Pickup label included.</td>
</tr>
<tr>
<td>X-ray Developer</td>
<td>X-ray Processor</td>
<td>Sewer</td>
</tr>
<tr>
<td>X-ray Fixer</td>
<td>Plumbed or non-plumbed x-ray processor</td>
<td>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.</td>
</tr>
<tr>
<td>X-ray processor cleaners containing chromium</td>
<td>(Check MSDS sheets)</td>
<td>Use non-chromium cleaners.</td>
</tr>
<tr>
<td>Formaldehyde-containing chemicals</td>
<td>(Check MSDS sheets)</td>
<td>Contact municipal sewer department to ask if the volume generated can be sewered.</td>
</tr>
<tr>
<td>Used chemiclave chemicals</td>
<td>Sterilization process</td>
<td>Dilute the spent solution 4:1 water:chemical, then sewer.</td>
</tr>
<tr>
<td>Unused chemical from sterilizer, or alcohols, acetone, ethers, peroxides</td>
<td>Leftover from procedures/treatment. Flammable.</td>
<td>Hazardous waste</td>
</tr>
<tr>
<td>Disinfectants</td>
<td></td>
<td>Sewer</td>
</tr>
<tr>
<td>Ultrasonic Cleaning Solutions</td>
<td>Pre-sterilizing instruments. (Check MSDS sheets)</td>
<td>If nonhazardous, sewer.</td>
</tr>
<tr>
<td>Bloodied items:</td>
<td>Treatment</td>
<td>If hazardous, follow manufacturer directions.</td>
</tr>
<tr>
<td>Non-droppable, non-pourable</td>
<td></td>
<td>Garbage.</td>
</tr>
<tr>
<td>Drippable or pourable. Bloody anesthetic carpules</td>
<td>Treatment</td>
<td>Red infectious waste bag.</td>
</tr>
<tr>
<td>Extracted teeth w/o amalgam fillings</td>
<td>Treatment</td>
<td>Red infectious waste bag.</td>
</tr>
<tr>
<td>Sharps:</td>
<td></td>
<td>Separately all glass, plastic, paper, cardboard, aluminum into separate trash cans for recycling.</td>
</tr>
<tr>
<td>1. Needles, scalpels, reamers, broaches.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Used anesthetic carpules, non-bloody.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office Waste</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>