

The Dental Rule

The United States Environmental Protection Agency (EPA) signed the final version of the "Dental Rule" on June 9, 2017, published it on June 14, 2017, and it went into effect on July 14, 2017. The purpose of this rule is to reduce the discharge of mercury from dental offices into municipal sewer systems and, ultimately, the environment.

Once the City of Bloomington Utilities (CBU) has determined a dental facility must comply with the rule, the facility must install an appropriate amalgam separator and use non-bleach and non-chlorinated cleaners with a pH range between 6 and 8. If any amalgam separators were installed prior to June 14th, 2017, they are permitted to be used for the life of the separator up to a maximum of 10 years.

This pamphlet may be used as a guide to help with purchasing the right amalgam separator and setting up proper maintenance and recycling. Inside you will find a list of some of the available amalgam separators and recycling companies and a quick guide for existing and new facilities on how and when to come into compliance.

Please contact CBU's Pretreatment Coordinator for more questions.

***For more information please visit:
<https://www.epa.gov/eg/dental-effluent-guidelines>***

Compliance

Existing Facilities

Must come into compliance by July 14th 2020

- Submit plumbing and amalgam system plans to CBU a minimum 45 days prior to installation or by July 1st 2019 for approval.
- Install an appropriately sized amalgam separator, that meets ANSI/ADA specifications or ISO 11143 Standards.
- File a onetime compliance report to CBU by October 12th 2020.
- Contact the Monroe County Building Department for building permits.
- Keep appropriate documentation required by the dental rule updated and on site at the facility.
- Use non-chlorinated, non-bleach cleaners with a pH of 6-8.

New Facilities

Must comply with new regulations immediately

- Submit plumbing and amalgam system plans, prior to installation and the opening of the facility, to be approved by CBU.
- Install an appropriately sized amalgam separator, that meets ANSI/ADA specifications or ISO 11143 Standards.
- File a onetime compliance report to CBU within 90 days of discharging into the sanitary sewer.
- Contact the Monroe County Building Department for building permits.
- Keep appropriate documentation required by the dental rule updated and on site at the facility.
- Use non-chlorinated, non-bleach cleaners with a pH of 6-8.

References:

¹ Highsmith, D. (2014, September). Effluent Limitation Guidelines and Standards for the Dental Category. Retrieved October, 2016, from <https://www.epa.gov/eg/dental-effluent-guidelines-documents>

² Choosing an Amalgam Separator for Your Dental Office. (n.d.). Retrieved October, 2016, from <http://www4.uwm.edu/shwec/publications/cabinet/pdf/ChoosingAmalgamSeparator.pdf>



CITY OF BLOOMINGTON

EPA Dental Rule: Amalgam Separator Information

**The City of Bloomington
Utilities
600 E Miller Drive,
Bloomington, IN 47401
812-349-3930**

Amalgam Separators

When choosing an amalgam separator, you should consider the individual needs and space of the facility. Here is a list of important criteria to consider:

- Installation location
- Initial Cost
- Number of dental chairs
- Five year cost
- Amount of amalgam removed and replaced
- Disposal methods
- Type of repair and replacement
- Flow rate
- Separator company offer recycling or disposal
- Capacity
- Maintenance

Included is a comparison of some of the available amalgam separators meeting the ANSI/ADA specifications or ISO Standard Requirement. The list includes the manufacturer, phone number, model number, and how many chairs the separator can operate. Also included is a list of recycling centers that can be contacted for pricing. This information is provided to assist you in the process of choosing an amalgam separator. However, you should consult manufacturers, plumbing contractors, etc. to ensure you install an amalgam separator that meets your facility's needs.

*Please contact the companies for purchase of amalgam separators and recycling, not CBU.

Amalgam Separator Companies^{2*}

AB Dental Trends

(1-360-354-4722)

Rasch 890-1000

1-12 chairs

Rasch 890-6000

1-12 chairs

Pure Water Systems

(1-877-638-2797)

ECO II

1-5 chairs

Eco II Tandem

6-12 chairs

Solmetex

(1-800-216-5505)

Hg5

1-10 chairs

Hg5 HV

10-25 chairs

Rebec

(1-800-569-1088)

Catch 400

1-5 chairs

RME 1000-CatchHg

1-15 chairs

A/T Amalgam Separator

(1-800-AIRTECH)

A1250

1-10 chairs

The Amalgam Collector

(1-800-816-4995)

CH12

1 chair

CE18/CE24

6-12 chairs

Asdex

(1-952-933-4147)

AS-9

2--4 chairs

DRNA

(1-800-360-1001)

BU10

1-6 chairs

Amalgam Separator Recycling Companies^{2*}

Amalgaway Mail Disposal Service

Indianapolis, IN 46225

800-267-1467

Veolia Environmental Services

Lombard, IL

(800) 556-5267

Solmetex

Northborough, MA

800-216-5505

Heritage Environmental Services

Indianapolis, IN

(888) 437-4224

Dental Recycling North America Inc.

New York, NY

(800) 360-1001

Mercury Waste Solutions, Inc.

Union Grove, WI

(800) 741-3343