

What's the big deal?

Collection Systems (sewer) and Wastewater Treatment Plants (WWTP) are designed to transport and treat certain types of wastewater. Sometimes it just isn't appropriate (or legal) to flush a particular liquid or solid down the drain. Not only does this practice endanger the environment, but it can also endanger the lives of Town citizens and employees. A series of brochures has been developed to educate specific industries on the proper disposal of various wastewaters they might generate.

Additional Agencies to Contact for Assistance:

NC Division of Waste Management
(deq.nc.gov)

NC Division of Pollution Prevention and Environmental Assistance
(deq.nc.gov)

Watauga County Sanitation Office
(264-5305)

Acknowledgements: MA Water Resources Authority
Naval Dental Research Institute
NCDENR
Oregon Dental Association
US EPA

Contact the Pretreatment Section for more information

Pretreatment Section
PO Drawer 192
Boone, NC 28607



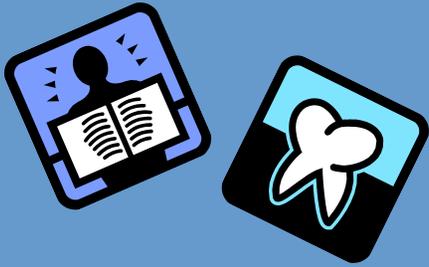
Phone: 828-268-6270
Fax: 828-268-6279
www.townofboone.net

Town of Boone



Wastewater Disposal Considerations

For Dental Practices



Regulatory Requirement

Install ISO 11143 amalgam separator
Submit One-Time Compliance Report
Employ Best Management Practices
Regulatory Information can be found
at www.townofboone.net/wastewater

Pollutants of Concern

Amalgam fillings
(mercury and various heavy metals)

Sterilization solutions
(toxics and heavy metals)



How Dentists Can Help

- Use composite fillings
- Use trap bottles, tapes or amalgam spill kits to clean up amalgam spills
- Do not rinse amalgam traps in sinks or into evacuation system
- Collect scrap amalgam in container for special disposal
- Ensure that line cleaners aren't oxidizing or acidic



- Use digital x-ray imaging
- Use autoclaves to disinfect equipment
- Keep up with new technology in dental wastewater treatment
- Manage hazardous wastes properly

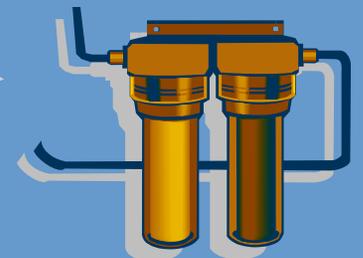
Pretreatment Info

Pretreatment: The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW (collection system and WWTP).

Typical Pretreatment in Dentistry

Good housekeeping, cleaning product substitution, proper hazardous waste management, silver recovery unit, filling material substitution, amalgam trap, etc.

Each facility is unique, and will have its own pretreatment options/needs. Please contact the Pretreatment Section for further assistance.



Prevention is the key to success!