

SCHEDULE "D"

CODE OF PRACTICE FOR DENTAL OPERATIONS

1. PURPOSE

Pursuant to Section 28 of the Bylaw, this Code of Practice for Dental Operations sets out the requirements for managing Non-Domestic Waste discharged directly or indirectly from a Dental Operation into the Sanitary Sewer or the Wastewater Treatment System.

2. APPLICATION

- (1) This Code of Practice applies to Dental Operations that produce Non-Domestic Waste containing Dental Amalgam. If work in a dental office is limited to work that does not involve placing or removing Dental Amalgam then this Code of Practice does not apply.
- (2) The Engineer may require a Wastewater Discharge permit from the Operator of a Dental Operation to authorize the Discharge of Non-Domestic Waste.
- (3) If the Engineer requires a Wastewater Discharge Permit from the Operator of a Dental Operation, this Code of Practice will not apply unless the Wastewater Discharge Permit so provides.
- (4) Nothing in this Code of Practice exempts a Person discharging Waste from complying with this Bylaw or a Wastewater Discharge Permit issued under this Bylaw and all other applicable Enactments.

3. REQUIREMENTS

- (1) An Operator of a Dental Operation must not Discharge Waste which, at the point of Discharge into a Sanitary Sewer, contains:
 - (a) Prohibited Waste or Storm Water; or
 - (b) Restricted Waste with the exception of Restricted Waste found in Dental Amalgam: mercury, silver, copper or zinc.
- (2) An Operator of a Dental Operation that produces liquid Waste from photographic imaging containing silver on or after January 1, 2010 must also comply with the requirements of Schedule "B".
- (3) An Operator of a Dental Operation that produces Wastewater containing Dental Amalgam on or after January 1, 2010 must treat the Wastewater at the Dental Operation site prior to Discharge to the Sanitary Sewer using a Certified Amalgam Separator.

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- (4) An Operator of a Dental Operation must install and maintain the Certified Amalgam Separator referred to in Subsection (3) according to the manufacturer's or supplier's recommendations in order to ensure that the Certified Amalgam Separator functions correctly.
- (5) An Operator of a Dental Operation must not install an amalgam separator other than a Certified Amalgam Separator on or after January 1, 2010.
- (6) An Operator of a Dental Operation who installs a Certified Amalgam Separator on or after January 1, 2010 must ensure that:
 - (a) all Dental Operation Wastewater that contains Dental Amalgam is treated using the Certified Amalgam Separator;
 - (b) a Monitoring Point is installed at the discretion of the Engineer, and is located at the outlet of the Certified Amalgam Separator or downstream of the Certified Amalgam Separator at a location upstream of any Discharge of other Waste;
 - (c) the Monitoring Point must be installed in such a manner that the total flow from the Certified Amalgam Separator may be intercepted and sampled; and
 - (d) the Monitoring Point must be readily and easily accessible at all times for inspection.
- (7) If the Monitoring Point referred to under Subsection (6)(b) is not required by the Engineer, then Subsections (6)(b), (c) and (d) do not apply to that Dental Operation.
- (8) If the Certified Amalgam Separator referred to under Section 3 (5) is located downstream of a Wet Vacuum System, an Operator of a Dental Operation must ensure that:
 - (a) the Wet Vacuum System is fitted with an internal Flow Control Fitting; or
 - (b) a Flow Control Fitting is installed on the water supply line to the Wet Vacuum System.
- (9) The Flow Control Fitting referred to in Section 3 (8) must be sized to limit the flow to a rate that is no more than the maximum inlet flow rate of the Certified Amalgam Separator as stated by the manufacturer of the Certified Amalgam Separator.

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- (10) An Operator of a Dental Operation must locate the Certified Amalgam Separator in such a manner that an accidental spill, leak or Collecting Container failure will not result in Waste containing amalgam entering any Sewer.
- (11) If a location referred to under Section 3 (10) is not available, an Operator of a Dental Operation must do one (1) of the following:
 - (a) install Spill Containment to contain spills or leaks from the Certified Amalgam Separator; or
 - (b) cap all floor drains into which liquid spilled from the Certified Amalgam Separator would normally flow.
- (12) An Operator of a Dental Operation must replace the Certified Amalgam Separator's Collecting Container when any of the following occurs:
 - (a) the manufacturer's or supplier's recommended expiry date, as shown on the Certified Amalgam Separator, has been reached; or
 - (b) the warning level specified in the ISO Standard has been reached; or
 - (c) analytical data obtained using a method of analysis outlined in Standard Methods, or an alternative method of analysis approved by the Engineer, having a method detection limit of 0.1 mg/L or lower, indicates that the total concentration of mercury in the discharge from the Certified Amalgam Separator is greater than, or equal to, 2 mg/L.
- (13) An Operator of a Dental Operation must not dispose of Dental Amalgam collected in a Certified Amalgam Separator, a Collecting Container, or any other device, to a Sewer.
- (14) An Operator of a Dental Operation must allow the Engineer to inspect the vacuum system, Certified Amalgam Separator, and Amalgam Waste Collecting Container upon request, at any time during the ordinary business hours of the Dental Operation.

4. RECORD KEEPING AND RETENTION

- (1) An Operator of a Dental Operation that uses a Certified Amalgam Separator must keep, at the site of installation of the Certified Amalgam Separator, an operation and maintenance manual containing instructions for installation, use, maintenance and service of the Certified Amalgam Separator installed.

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- (2) An Operator of a Dental Operation that uses a Certified Amalgam Separator must post, at the site of installation of the Certified Amalgam Separator, a copy of the ISO Standard test report pertaining to the Certified Amalgam Separator installed.
- (3) An Operator of a Dental Operation that uses a Certified Amalgam Separator must keep a record book at the Dental Operation site that includes the following information pertaining to the Certified Amalgam Separator installed:
 - (a) date of installation of the Certified Amalgam Separator and name of the installation service provider;
 - (b) serial number and expiry date of the Certified Amalgam Separator and/or its components;
 - (c) maximum recommended flow rate through the Certified Amalgam Separator, where applicable;
 - (d) dates of inspection, maintenance, cleaning and replacement of any amalgam separation equipment or components;
 - (e) dates and descriptions of all operational problems, spills, leaks or Collecting Container failures associated with the Certified Amalgam Separator and remedial actions taken;
 - (f) name, address and telephone number of any Person or company who performs any maintenance or disposal services related to the operation of the Certified Amalgam Separator; and
 - (g) dates of pick-up of the Collecting Container for off-site disposal, volume of Waste disposed and the location of disposal.
- (4) All records must be retained for a period of two (2) years and must be available for inspection by the Engineer upon request, at any time during the ordinary business hours of the Dental Operation.