



November 4, 2013

Raj Rathamano  
Manitoba Conservation  
123 Main Street, Suite 160  
Winnipeg, Manitoba  
R3C 1A5

Dear Mr. Rathamano:

Re: Central Dental – DGH&T Act Proposal for the proposed Hazardous Waste Facility at 103-251 Saulteaux Crescent, Winnipeg.

In response to your letter dated September 20, 2013, I have provided the following information that you requested:

1. Regarding the Bio Hazardous Waste:
  - a) The TDG shipping name is 'Bio Medical Waste N.O.S.' with a UN number 'UN3291'
  - b) The Bio Hazardous Waste is brought to the facility in sealed, spill proof, puncture resistant sharps containers that are properly labeled for Bio Hazardous Waste. These containers meet the recommendations for TDG 1C packaging which is required for Class 6.2 (TDG does not have packaging instructions for UN3291 yet)
  - c) The Bio Hazardous Waste material will stay in the facility for no more than 7 days before it is subjected to the sterilization process
  - d) The maximum appropriate storage capacity of Bio Hazardous Waste in our facility is 90 gallons.
  - e) The sterilization process involves the Bio Hazardous Waste being sterilized at 120 degrees Celsius for 30 min. We have one sterilization unit dedicated to doing this which has a 5 gallon capacity. The sterilization unit is made by Market Forge Industries with a model number: STME and a serial number: 214610.
  - f) The Bio Hazardous Waste is brought to the facility in sealed, spill proof, puncture resistant sharps containers that are properly labeled for Bio Hazardous Waste. These containers meet the recommendations for TDG 1C packaging which is required for Class 6.2 (TDG does not have packaging instructions for UN3291 yet)



- g) Once sterilization of any container has been completed it will be shipped from our facility within 30 days.
- h) This material is not hazardous after the sterilization process and this is confirmed by sterilization indicator tape as well as a steam sterilization integrator for every container that is sterilized.
- i) The waste material will be shipped to the designated area in the City Landfill for final disposal.

2. Regarding the "Waste Mercury" Hazardous Waste:

- a) This will be the only other Hazardous Waste that this facility will be handling.
- b) The activity that generates this type of waste is tooth restorations in dentistry where amalgam (which contains the mercury) is removed from the tooth.
- c) The classification for this type of waste is: Alkali Metal Amalgam (solid), UN1389, Class 4.3.
- d) The waste amalgam (which contains mercury) is sealed in a heavy duty plastic cartridge (which is approx. 2 liters in volume) that is completely sealed. It is then put inside a heavy duty plastic bag and that is sealed as well.
- e) The volume of the UN certified drums is 45 gallons.
- f) The maximum storage capacity of this waste amalgam (which contains mercury) is 90 gallons (ie. whatever will fit into 2 drums)
- g) The maximum duration that these containers will remain in the facility is 60 days.

If you have any further questions or concerns please contact me at 204-831-3227 or [cam@central-dental.ca](mailto:cam@central-dental.ca)

Sincerely,

Cam Mailey  
General Manager