

The Toxics Reduction Act and O. Reg. 455/09 went into effect on January 1, 2010. This Act requires companies with the NAICS code beginning with 31, 32, 33 or 212 and that meet NPRI and/or acetone reporting thresholds, to report their toxic substance accountings and to create/update a Toxics Reduction Plan for the reportable substances. Section 27 (1) of the Regulation requires companies to prepare/update public reports with the following information.

#### **STATEMENT OF INTENT**

Best Theratronics Ltd. is committed to taking a leadership role in protecting the environment. Whenever feasible, we will reduce the use of lead in compliance with all Federal and Provincial Regulations. We are committed to using our on-going continual improvement programs as a method to look for opportunities to reduce the use of lead.

#### **OBJECTIVES**

Best Theratronics will continue to work with our clients and conduct research and development to find new opportunities to reduce the use of lead. At this time, Best Theratronics does not have a set reduction target for lead usage.

#### **DESCRIPTION OF WHY LEAD IS USED AT THE FACILITY**

Best Theratronics engages in designing, manufacturing, installing, and servicing external beam teletherapy machines (isotope based) to treat cancer and self-contained blood irradiators (isotope and x-ray based) to treat prevent Graft vs. Host Disease. Lead is used in manufactured products as a shielding device from the radiation source.

#### **RATIONALE FOR NOT IMPLEMENTING**

Based upon the technical and economic feasibility review, business decisions, and available resources, none of the reduction options will be implemented at this time. Further research and development will be allocated to find feasible solutions to reduce the use of lead at the facility.

## BASIC FACILITY INFORMATION

Name & CAS # of Substance(s)	
Lead	7439-92-1
Facility Identification and Site Address	
Company Name	Best Theratronics Ltd.
Facility Name	Best Theratronics Ltd.
Facility Address	413 March Road Ottawa, ON, K2K 0E4
Spatial Coordinates of Facility	428380m E 5020994m N (zone 18)
Number of Employees	175
NPRI ID	11667
Primary North American Industrial Classification System Code (NAICS)	
6 Digit NAICS Code	339110 – Medical equipment and supplies manufacturing
Company Contact Information	
Facility Public Contact	Mike de van der Schueren, Quality & Regulatory Manager
	Email: mdvds@theratronics.ca
	Phone: 613-591-2100 ext 2488

## TRACKING AND QUANTIFICATION

Reporting Year	Facility-wide Lead Quantities (kg)						Reasons for Change From Previous Year
	Used	Created	Contained in Product	Released to Air	Off-Site Disposal	Off-Site Recycling	
2012	>100,000 to 1,000,000	0	>10,000 to 100,000	0.086	0	13,725.097	
2013	>100,000 to 1,000,000	0	>10,000 to 100,000	0.081	0	17,193.111	Change in production. Change in data accuracy. Recycling amount will vary from year to year.

Used, created and contained in product can be expressed in the following ranges:

- > 0 to 1
- > 1 to 10
- > 10 to 100
- > 100 to 1,000
- > 1,000 to 10,000
- > 10,000 to 100,000
- > 100,000 to 1,000,000