

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 Medical International, Inc.                       |
| Facility Name  | Best Theratronics Ltd.                                 |
| Facility Address   | 413 March Road<br>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.<br>Change in data accuracy.<br>Recycling amount will vary from year to year. |
| 2014           | >10,000 to 100,000                 | 0       | >10,000 to 100,000   | 0.046           | 0                 | 1535.972           | Change in production.<br>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