TO: Governor Rick Snyder  
Senate Natural Resources, Environment, and Great Lakes Committee Members  
House Natural Resources Committee Members  

FROM: Dan Wyant, Director  

DATE: April 3, 2013  


In accordance with Section 18a of the Low-Level Radioactive Waste Authority Act, 1987 PA 204, as amended, generators of low-level radioactive waste (LLRW) are required to report annually to the Department of Environmental Quality (DEQ), Low-Level Radioactive Waste Authority, certain information on the volume, type, and activity of the LLRW produced. This report is a brief summary of the information submitted by generators for waste disposed in calendar year 2011.

Twenty-six facilities reported that they generated waste requiring off-site disposal. The following table compares 2011 data with that of 2010.

<table>
<thead>
<tr>
<th>Type of Facility</th>
<th>Number of Facilities Reporting Waste in 2011</th>
<th>Volume of LLRW Generated in 2011 (ft³)</th>
<th>Number of Facilities Reporting Waste in 2010</th>
<th>Volume of LLRW Generated in 2010 (ft³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic</td>
<td>8</td>
<td>914</td>
<td>9</td>
<td>1,655</td>
</tr>
<tr>
<td>Government</td>
<td>3</td>
<td>12</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Industry</td>
<td>8</td>
<td>558</td>
<td>4</td>
<td>588</td>
</tr>
<tr>
<td>Medical</td>
<td>3</td>
<td>7</td>
<td>7</td>
<td>2,379</td>
</tr>
<tr>
<td>Utility</td>
<td>4</td>
<td>47,789</td>
<td>4</td>
<td>48,622</td>
</tr>
<tr>
<td>Total</td>
<td>26</td>
<td>49,280</td>
<td>25</td>
<td>53,245</td>
</tr>
</tbody>
</table>

In 2010 medical waste volume generated was higher than normal. This was primarily due to the decommissioning of a cyclotron that produced radioactive material used for positron emission tomography (PET) imaging.

LLRW is categorized in Classes. Class A waste comprises the largest volume of LLRW. Michigan waste generators can ship Class A waste to a licensed disposal facility in Utah. Certain organic chemicals and animal carcasses containing low concentrations of certain radioactive materials can also be shipped to licensed out-of-state facilities for incineration. Class B and C wastes are generated in much smaller volumes than Class A waste, but have significantly more radioactivity than Class A waste. The volume of waste generated in 2011 was 49,017 cubic feet of Class A waste and 263 cubic feet of Class B and C waste.
If you need further information, please contact Bob Skowronek, Radiological Protection Section, Office of Waste Management and Radiological Protection, at 517-241-1253; or you may contact me at 517-373-7917.

cc:   Dennis Muchmore, Governor's Office
      Dick Posthumus, Governor's Office
      Jim Sygo, Deputy Director, DEQ
      Maggie Datema, Director of Legislative Affairs, DEQ
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