Chemical Reporting Program Outline

Harvard Campuses are considered “Facilities” which are covered by Emergency Planning and Community Right-to-Know Act (EPCRA) requirements. Based on the amount of specific “hazardous materials” stored on the campus, the University must submit an Emergency and Hazardous Chemical Inventory Form to the Local Emergency Planning Committee (LEPC), the State Emergency Response Commission (SERC), and the local fire department annually. The University must provide either a Tier I or Tier II form. Massachusetts requires Harvard submit a Tier II form electronically. A review of the Tier I form originally submitted is conducted periodically.

Background:

Each year EH&S is responsible for submitting the TIER II report for the all campuses belonging to Harvard University that contain chemical quantities that exceed either the 500 pound (Hazardous Chemicals) or 10,000 pound (Non-Hazardous Chemicals) thresholds.

Reporting:

EPCRA reporting requirements state that each facility must report the location and quantity of the chemicals that exceed their pre-determined threshold limits. Based on the specific definition of a “facility”, each building within a particular campus is reported as a location. Each year, the amount and locations of chemicals exceeding the specified quantities are calculated by campus and reported to each city.

The following campuses have historically achieved the 500 lb and/or 10,000 lb reporting requirements for various substances:

<table>
<thead>
<tr>
<th>Campus (Facility)</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cambridge/Allston Campus</td>
<td>Cambridge, Boston</td>
</tr>
<tr>
<td>Arnold Arboretum</td>
<td>Boston</td>
</tr>
<tr>
<td>Longwood Campus</td>
<td>Boston</td>
</tr>
<tr>
<td>New England Regional Primate Center (NERPC) and Depository</td>
<td>Southborough</td>
</tr>
<tr>
<td>Harvard Forest</td>
<td>Petersham</td>
</tr>
</tbody>
</table>

The following table illustrates the common chemicals that have historically achieved the 500 lb and/or 10,000 lb reporting requirements, the group responsible for reporting the data to EH&S and the media in which EH&S obtains the data:

<table>
<thead>
<tr>
<th>Responsible Group</th>
<th>City</th>
<th>Equipment</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>E&amp;U High Tension</td>
<td>Cambridge/Allston</td>
<td>Transformers/          Transformer Oil/ Mineral Oil</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oil Filled Switches</td>
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<tr>
<td>FMO</td>
<td>Cambridge/Allston</td>
<td>Batteries</td>
<td>Sulfuric Acid</td>
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<tr>
<td>EH&amp;S Longwood</td>
<td>Longwood</td>
<td>pH Neutralization</td>
<td>Sulfuric Acid</td>
</tr>
<tr>
<td>EH&amp;S Longwood</td>
<td>Longwood</td>
<td>Batteries</td>
<td>Sulfuric Acid</td>
</tr>
<tr>
<td>Facilities (Southborough)</td>
<td>Southborough</td>
<td>pH Neutralization</td>
<td>Sulfuric Acid</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Storage Tanks</td>
<td>Heating Oil: No. 2 No. 4 No. 6</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Various</td>
<td>Cooking Oil/Grease</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Various</td>
<td>Hydraulic Fluid</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Various</td>
<td>- Motor Oil</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Storage Tanks</td>
<td>Diesel Fuel</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Cooling Systems</td>
<td>Refrigerants:</td>
</tr>
<tr>
<td>Facility Managers</td>
<td>All Campuses</td>
<td>Storage Tanks</td>
<td>Liquid Nitrogen</td>
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<td>R-11</td>
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<td>R-123</td>
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<td>R-134A</td>
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<td></td>
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<tr>
<td>R-22</td>
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<td></td>
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</tr>
</tbody>
</table>

Required Recipients of the TEIR II Report – By City and Campus (Updated February 27, 2014)

**SERC Electronic Submittal to:** Tier2@State.MA.US
Massachusetts SERC
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Revision Date: 02/23/2016
Northern Worcester REPC:
(Includes the communities of Ashburnham, Athol, Barre, Gardner,
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Phillipston, Royalston, Rutland, Templeton, Winchendon)
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Petersham Fire Department
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