
Appendices A through F

Program Implementation and Information Division
Office of Resource Conservation and Recovery
U.S. Environmental Protection Agency

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# APPENDIX A
## LIST OF STATES (INCLUDING TERRITORIES) WITHIN EACH EPA REGION

<table>
<thead>
<tr>
<th>EPA Region 1</th>
<th>EPA Region 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connecticut (CT)</td>
<td>Arkansas (AR)</td>
</tr>
<tr>
<td>Maine (ME)</td>
<td>Louisiana (LA)</td>
</tr>
<tr>
<td>Massachusetts (MA)</td>
<td>New Mexico (NM)</td>
</tr>
<tr>
<td>New Hampshire (NH)</td>
<td>Oklahoma (OK)</td>
</tr>
<tr>
<td>Rhode Island (RI)</td>
<td>Texas (TX)</td>
</tr>
<tr>
<td>Vermont (VT)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EPA Region 2</th>
<th>EPA Region 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Jersey (NJ)</td>
<td>Iowa (IA)</td>
</tr>
<tr>
<td>New York (NY)</td>
<td>Kansas (KS)</td>
</tr>
<tr>
<td>Puerto Rico (PR)</td>
<td>Missouri (MO)</td>
</tr>
<tr>
<td>Virgin Islands (VI)</td>
<td>Nebraska (NE)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EPA Region 3</th>
<th>EPA Region 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delaware (DE)</td>
<td>Colorado (CO)</td>
</tr>
<tr>
<td>District of Columbia (DC)</td>
<td>Montana (MT)</td>
</tr>
<tr>
<td>Maryland (MD)</td>
<td>North Dakota (ND)</td>
</tr>
<tr>
<td>Pennsylvania (PA)</td>
<td>South Dakota (SD)</td>
</tr>
<tr>
<td>Virginia (VA)</td>
<td>Utah (UT)</td>
</tr>
<tr>
<td>West Virginia (WV)</td>
<td>Wyoming (WY)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EPA Region 4</th>
<th>EPA Region 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama (AL)</td>
<td>Arizona (AZ)</td>
</tr>
<tr>
<td>Florida (FL)</td>
<td>California (CA)</td>
</tr>
<tr>
<td>Georgia (GA)</td>
<td>Hawaii (HI)</td>
</tr>
<tr>
<td>Kentucky (KY)</td>
<td>Nevada (NV)</td>
</tr>
<tr>
<td>Mississippi (MS)</td>
<td>American Samoa (AS)</td>
</tr>
<tr>
<td>North Carolina (NC)</td>
<td>Guam (GU)</td>
</tr>
<tr>
<td>South Carolina (SC)</td>
<td>Northern Mariana Islands (MP)</td>
</tr>
<tr>
<td>Tennessee (TN)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EPA Region 5</th>
<th>EPA Region 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illinois (IL)</td>
<td>Alaska (AK)</td>
</tr>
<tr>
<td>Indiana (IN)</td>
<td>Idaho (ID)</td>
</tr>
<tr>
<td>Michigan (MI)</td>
<td>Oregon (OR)</td>
</tr>
<tr>
<td>Minnesota (MN)</td>
<td>Washington (WA)</td>
</tr>
<tr>
<td>Ohio (OH)</td>
<td></td>
</tr>
<tr>
<td>Wisconsin (WI)</td>
<td></td>
</tr>
</tbody>
</table>
APPENDIX C
RECYCLING OF PRIORITY CHEMICALS

Large quantities of some of the PCs already are recycled. Recycled quantities were reported by facilities that only recycle PCs as well as by facilities that also manage their PCs using disposal, energy recovery, or treatment methods. In 2007, facilities recycled approximately 604 million pounds of PCs of which lead and lead compounds accounted for 92 percent (Exhibit C.1).


<table>
<thead>
<tr>
<th>Priority Chemical</th>
<th>Number of Facilities That Reported Recycling This PC in 2007*</th>
<th>Recycled Quantity (pounds)</th>
<th>Percent of National Total Recycled PC Quantity (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead and lead compounds</td>
<td>3,394</td>
<td>543,311,544</td>
<td>555,666,822</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>223</td>
<td>12,368,728</td>
<td>18,411,437</td>
</tr>
<tr>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>243</td>
<td>2,872,371</td>
<td>1,680,411</td>
</tr>
<tr>
<td>Hexachloroethane</td>
<td>4</td>
<td>2,842,546</td>
<td>3,365,588</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
<td>5</td>
<td>978,906</td>
<td>1,090,545</td>
</tr>
<tr>
<td>Phenanthrene</td>
<td>26</td>
<td>1,476,455</td>
<td>1,352,865</td>
</tr>
<tr>
<td>Mercury and mercury compounds</td>
<td>272</td>
<td>1,120,625</td>
<td>1,015,324</td>
</tr>
<tr>
<td>Pentachlorophenol</td>
<td>15</td>
<td>2,090,081</td>
<td>16</td>
</tr>
<tr>
<td>Cadmium and cadmium compounds</td>
<td>29</td>
<td>744,312</td>
<td>765,986</td>
</tr>
<tr>
<td>Anthracene</td>
<td>18</td>
<td>388,770</td>
<td>495,413</td>
</tr>
<tr>
<td>Hexachloro-1,3-butadiene</td>
<td>2</td>
<td>330,093</td>
<td>300,775</td>
</tr>
<tr>
<td>Benzo(g,h,i)perylene</td>
<td>143</td>
<td>115,282</td>
<td>79,224</td>
</tr>
<tr>
<td>Dibenzofuran</td>
<td>5</td>
<td>88,622</td>
<td>108,552</td>
</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>3</td>
<td>9,254</td>
<td>8,141</td>
</tr>
<tr>
<td>Polychlorinated biphenyls (PCBs)</td>
<td>3</td>
<td>273</td>
<td>990</td>
</tr>
<tr>
<td>Dioxin and dioxin-like compounds**</td>
<td>26</td>
<td>2,118</td>
<td>0</td>
</tr>
<tr>
<td>Trifluralin</td>
<td>1</td>
<td>2,071</td>
<td>1,006</td>
</tr>
<tr>
<td>Pentachlorobenzene</td>
<td>2</td>
<td>993</td>
<td>423</td>
</tr>
<tr>
<td>Quintozene</td>
<td>1</td>
<td>576</td>
<td>611</td>
</tr>
<tr>
<td>Pendimethalin</td>
<td>0</td>
<td>2,606</td>
<td>3,117</td>
</tr>
<tr>
<td>**Total</td>
<td>4,415</td>
<td>568,766,226</td>
<td>584,347,246</td>
</tr>
</tbody>
</table>

* Please note that the total number of facilities shown represents facilities that only recycled PCs as well as facilities that also used disposal, energy recovery, or treatment to manage PCs. Numerous facilities also reported recycling more than one PC. As such, the total number of facilities may differ from the total number of facilities shown elsewhere in this Report.

** Facilities report dioxin and dioxin-like compounds to TRI in grams, with a reporting threshold of 0.1 grams. For the purposes of this table, we converted the quantity reported as grams to pounds.

In 2007, facilities in 320 different NAICS codes reported recycling PCs. Facilities in 23 NAICS codes reported 95 percent of the total recycled quantity of PCs (Exhibit C.2).
### Exhibit C.2. Recycled Priority Chemical Quantity, By Industry (2007)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>335911</td>
<td>Storage Battery Manufacturing</td>
<td>46</td>
<td>244,097,543</td>
<td>251,241,975</td>
</tr>
<tr>
<td>331492</td>
<td>Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)</td>
<td>43</td>
<td>123,129,618</td>
<td>138,294,947</td>
</tr>
<tr>
<td>324110</td>
<td>Petroleum Refineries</td>
<td>113</td>
<td>5,521,775</td>
<td>10,187,874</td>
</tr>
<tr>
<td>331491</td>
<td>Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding</td>
<td>18</td>
<td>35,017,805</td>
<td>24,661,419</td>
</tr>
<tr>
<td>335929</td>
<td>Other Communication and Energy Wire Manufacturing</td>
<td>30</td>
<td>27,603,915</td>
<td>27,595,088</td>
</tr>
<tr>
<td>335912</td>
<td>Primary Battery Manufacturing</td>
<td>13</td>
<td>29,162,657</td>
<td>23,925,344</td>
</tr>
<tr>
<td>331111</td>
<td>Iron and Steel Mills</td>
<td>88</td>
<td>17,283,367</td>
<td>17,091,181</td>
</tr>
<tr>
<td>329992</td>
<td>Small Arms Ammunition Manufacturing</td>
<td>9</td>
<td>7,275,942</td>
<td>7,479,680</td>
</tr>
<tr>
<td>325188</td>
<td>All Other Basic Inorganic Chemical Manufacturing</td>
<td>23</td>
<td>927,964</td>
<td>1,029,177</td>
</tr>
<tr>
<td>325199</td>
<td>All Other Basic Organic Chemical Manufacturing</td>
<td>24</td>
<td>5,064,119</td>
<td>6,350,523</td>
</tr>
<tr>
<td>327212</td>
<td>Other Pressed and Blown Glass and Glassware Manufacturing</td>
<td>9</td>
<td>4,741,275</td>
<td>5,607,872</td>
</tr>
<tr>
<td>336399</td>
<td>All Other Motor Vehicle Parts Manufacturing</td>
<td>67</td>
<td>4,479,463</td>
<td>4,092,156</td>
</tr>
<tr>
<td>325181</td>
<td>Alkalies and Chlorine Manufacturing</td>
<td>10</td>
<td>3,741,695</td>
<td>4,004,078</td>
</tr>
<tr>
<td>326199</td>
<td>All Other Plastics Product Manufacturing</td>
<td>18</td>
<td>2,545,645</td>
<td>2,210,131</td>
</tr>
<tr>
<td>321114</td>
<td>Wood Preservation</td>
<td>42</td>
<td>3,635,428</td>
<td>363,896</td>
</tr>
<tr>
<td>332813</td>
<td>Electroplating, Platting, Polishing, Anodizing, and Coloring</td>
<td>119</td>
<td>2,317,460</td>
<td>2,383,767</td>
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<tr>
<td>331422</td>
<td>Copper Wire (except Mechanical) Drawing</td>
<td>16</td>
<td>2,038,886</td>
<td>2,623,875</td>
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<tr>
<td>331522</td>
<td>Nonferrous (except Aluminum) Die-Casting Foundries</td>
<td>5</td>
<td>1,751,406</td>
<td>2,424,519</td>
</tr>
<tr>
<td>331222</td>
<td>Steel Wire Drawing</td>
<td>26</td>
<td>1,686,448</td>
<td>2,058,135</td>
</tr>
<tr>
<td>331525</td>
<td>Copper Foundries (except Die-Casting)</td>
<td>26</td>
<td>2,032,171</td>
<td>1,738,552</td>
</tr>
<tr>
<td>331521</td>
<td>Aluminum Die-Casting Foundries</td>
<td>69</td>
<td>560,614</td>
<td>494,583</td>
</tr>
<tr>
<td>332913</td>
<td>Plumbing Fixture Fitting and Trim Manufacturing</td>
<td>15</td>
<td>957,452</td>
<td>1,428,243</td>
</tr>
<tr>
<td>332911</td>
<td>Industrial Valve Manufacturing</td>
<td>17</td>
<td>1,509,015</td>
<td>1,474,878</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>846</strong></td>
<td><strong>527,081,663</strong></td>
<td><strong>529,172,062</strong></td>
</tr>
</tbody>
</table>

Exhibit C.3 shows the industries that accounted for at least 80 percent of the recycled quantity of each PC. For example, facilities in two industries: NAICS 325192 (Cyclic Crude and Intermediate Manufacturing) and 325199 (All Other Basic Organic Chemical Manufacturing) reported approximately 212,000 pounds or 87 percent of the recycled anthracene in 2007.

### Exhibit C.3. Industries Accounting for at Least 80 Percent of Recycled Priority Chemicals (2007)

<table>
<thead>
<tr>
<th>Primary NAICS Code</th>
<th>NAICS Code Description</th>
<th>Quantity (pounds)</th>
<th>Percent of Total Recycled Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-Trichlorobenzene: 2,348 total recycled pounds reported by facilities in 2 industries</td>
<td>325181 Alkalies and Chlorine Manufacturing</td>
<td>2,342</td>
<td>99.7%</td>
</tr>
<tr>
<td>Anthracene: 243,261 total recycled pounds reported by facilities in 9 industries</td>
<td>325192 Cyclic Crude and Intermediate Manufacturing</td>
<td>149,222</td>
<td>61.3%</td>
</tr>
<tr>
<td></td>
<td>325199 All Other Basic Organic Chemical Manufacturing</td>
<td>63,009</td>
<td>25.9%</td>
</tr>
</tbody>
</table>
### Exhibit C.3. Industries Accounting for at Least 80 Percent of Recycled Priority Chemicals (2007) (Continued)

<table>
<thead>
<tr>
<th>Primary NAICS Code</th>
<th>NAICS Code Description</th>
<th>Quantity (pounds) Recycled By This Industry (2007)</th>
<th>Percent of Total Recycled Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>321114</td>
<td>Wood Preservation</td>
<td>28,893</td>
<td>34.7%</td>
</tr>
<tr>
<td>331312</td>
<td>Primary Aluminum Production</td>
<td>19,190</td>
<td>23.1%</td>
</tr>
<tr>
<td>333994</td>
<td>Industrial Process Furnace and Oven Manufacturing</td>
<td>12,308</td>
<td>14.8%</td>
</tr>
<tr>
<td>324199</td>
<td>All Other Petroleum and Coal Products Manufacturing</td>
<td>11,183</td>
<td>13.4%</td>
</tr>
<tr>
<td>335911</td>
<td>Storage Battery Manufacturing</td>
<td>267,976</td>
<td>44.9%</td>
</tr>
<tr>
<td>331111</td>
<td>Iron and Steel Mills</td>
<td>155,340</td>
<td>26.0%</td>
</tr>
<tr>
<td>336611</td>
<td>Ship Building and Repairing</td>
<td>70,000</td>
<td>11.7%</td>
</tr>
<tr>
<td>333994</td>
<td>Industrial Process Furnace and Oven Manufacturing</td>
<td>12,985</td>
<td>43.9%</td>
</tr>
<tr>
<td>325192</td>
<td>Cyclic Crude and Intermediate Manufacturing</td>
<td>7,823</td>
<td>26.4%</td>
</tr>
<tr>
<td>331210</td>
<td>Iron and Steel Pipe and Tube Manufacturing from Purchased Steel</td>
<td>7,100</td>
<td>24.0%</td>
</tr>
<tr>
<td>325181</td>
<td>Alkalies and Chlorine Manufacturing</td>
<td>240,006</td>
<td>100.0%</td>
</tr>
<tr>
<td>335911</td>
<td>Storage Battery Manufacturing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>325181</td>
<td>Alkalies and Chlorine Manufacturing</td>
<td>1,015,096</td>
<td>99.0%</td>
</tr>
<tr>
<td>325181</td>
<td>Alkalies and Chlorine Manufacturing</td>
<td>2,525,392</td>
<td>98.3%</td>
</tr>
<tr>
<td>335911</td>
<td>Storage Battery Manufacturing</td>
<td>289,969,885</td>
<td>51.9%</td>
</tr>
<tr>
<td>331492</td>
<td>Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)</td>
<td>133,875,776</td>
<td>24.0%</td>
</tr>
<tr>
<td>331491</td>
<td>Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding</td>
<td>22,949,561</td>
<td>4.1%</td>
</tr>
<tr>
<td>325188</td>
<td>All Other Basic Inorganic Chemical Manufacturing</td>
<td>498,535</td>
<td>59.5%</td>
</tr>
<tr>
<td>325181</td>
<td>Alkalies and Chlorine Manufacturing</td>
<td>205,076</td>
<td>24.5%</td>
</tr>
<tr>
<td>324110</td>
<td>Petroleum Refineries</td>
<td>27,150,945</td>
<td>75.9%</td>
</tr>
<tr>
<td>325199</td>
<td>All Other Basic Organic Chemical Manufacturing</td>
<td>5,575,944</td>
<td>15.6%</td>
</tr>
<tr>
<td>325188</td>
<td>All Other Basic Inorganic Chemical Manufacturing</td>
<td>610</td>
<td>98.2%</td>
</tr>
<tr>
<td>321114</td>
<td>Wood Preservation</td>
<td>773,304</td>
<td>99.8%</td>
</tr>
<tr>
<td>325199</td>
<td>All Other Basic Organic Chemical Manufacturing</td>
<td>528,214</td>
<td>61.2%</td>
</tr>
<tr>
<td>325192</td>
<td>Cyclic Crude and Intermediate Manufacturing</td>
<td>134,729</td>
<td>15.6%</td>
</tr>
<tr>
<td>325110</td>
<td>Petrochemical Manufacturing</td>
<td>44,741</td>
<td>5.2%</td>
</tr>
<tr>
<td>325211</td>
<td>Plastics Material and Resin Manufacturing</td>
<td>1,115</td>
<td>98.2%</td>
</tr>
<tr>
<td>321114</td>
<td>Wood Preservation</td>
<td>1,982,349</td>
<td>66.7%</td>
</tr>
<tr>
<td>324110</td>
<td>Petroleum Refineries</td>
<td>154,816</td>
<td>5.2%</td>
</tr>
<tr>
<td>324199</td>
<td>All Other Petroleum and Coal Products Manufacturing</td>
<td>150,237</td>
<td>5.1%</td>
</tr>
<tr>
<td>331312</td>
<td>Primary Aluminum Production</td>
<td>143,191</td>
<td>4.8%</td>
</tr>
<tr>
<td>325320</td>
<td>Pesticide and Other Agricultural Chemical Manufacturing</td>
<td>152</td>
<td>100.0%</td>
</tr>
<tr>
<td>325314</td>
<td>Fertilizer (Mixing Only) Manufacturing</td>
<td>750</td>
<td>100.0%</td>
</tr>
</tbody>
</table>
Exhibit C.4 shows the Federal agencies that recycled PCs from 2005 to 2007. For example, 50 Federal facilities in the Department of Defense reported recycling approximately 966,000 pounds of PCs, accounting for approximately 73 percent of the approximately 1.3 million pounds of PCs recycled by Federal facilities in 2007.
### Exhibit C.4. Quantity of Priority Chemicals Recycled by Federal Facilities (2005−2007)

<table>
<thead>
<tr>
<th>Priority Chemical</th>
<th>Number of Federal Facilities Reporting of This PC (2007)</th>
<th>Recycled Quantity (pounds)</th>
<th>Percent of Total Recycled PC Quantity Reported By Federal Facilities (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury and mercury compounds</td>
<td>1</td>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>Lead and lead compounds</td>
<td>12</td>
<td>94</td>
<td>711</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>3</td>
<td>1,007</td>
<td>1,515</td>
</tr>
<tr>
<td>Cadmium and cadmium compounds</td>
<td>0</td>
<td>0</td>
<td>40,923</td>
</tr>
<tr>
<td>Calcium and calcium compounds</td>
<td>3</td>
<td>35</td>
<td>23,283</td>
</tr>
<tr>
<td>Lead and lead compounds</td>
<td>2</td>
<td>21</td>
<td>47</td>
</tr>
<tr>
<td>Mercury and mercury compounds</td>
<td>5</td>
<td>70,853</td>
<td>38,747</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>3</td>
<td>4,000</td>
<td>25,819</td>
</tr>
<tr>
<td>Lead and lead compounds</td>
<td>16</td>
<td>474,283</td>
<td>393,855</td>
</tr>
<tr>
<td>Mercury and mercury compounds</td>
<td>1</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Department of Defense Total</td>
<td>55*</td>
<td>696,192</td>
<td>633,651</td>
</tr>
<tr>
<td>Lead and lead compounds</td>
<td>6</td>
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<td>Department of Justice Total</td>
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<td>Department of Labor Total</td>
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<tbody>
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<td>2005</td>
<td>2006</td>
<td>2007</td>
</tr>
<tr>
<td>Department of State</td>
<td>Bureau of Diplomatic Security</td>
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<td><strong>Department of State Total</strong></td>
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<td>Bureau of Engraving &amp; Printing</td>
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<td>11,516</td>
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<td>Department of Veterans Affairs</td>
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<td>Department of Veterans Affairs</td>
<td>Mercury and mercury compounds</td>
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<td>25</td>
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<td></td>
<td><strong>Department of Veterans Affairs Total</strong></td>
<td></td>
<td><strong>1</strong></td>
<td><strong>1,777</strong></td>
<td><strong>12,498</strong></td>
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<td>National Aeronautics and Space Administration</td>
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<td>Lead and lead compounds</td>
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<td>18</td>
<td>2,018</td>
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<td><strong>National Aeronautics and Space Administration Total</strong></td>
<td></td>
<td><strong>3</strong></td>
<td><strong>18</strong></td>
<td><strong>2,018</strong></td>
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<tr>
<td>Tennessee Valley Authority</td>
<td>Tennessee Valley Authority</td>
<td>Lead and lead compounds</td>
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<td>290</td>
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<td></td>
<td><strong>Tennessee Valley Authority Total</strong></td>
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<td><strong>1</strong></td>
<td><strong>290</strong></td>
<td><strong>290</strong></td>
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<tr>
<td></td>
<td><strong>Grand Total</strong></td>
<td></td>
<td><strong>90</strong></td>
<td><strong>2,225,796</strong></td>
<td><strong>904,983</strong></td>
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</table>

* Actual number of facilities is less because some facilities reported more than one PC.
APPENDIX D
AIR EMISSIONS AND SURFACE WATER DISCHARGES OF PRIORITY CHEMICALS

Many facilities report air emissions and/or surface water discharges of PCs to TRI. Numerous of the facilities reporting these releases of PCs also reported managing PCs using disposal, energy recovery, or treatment methods. In this appendix, we show the quantities of PCs that were reported as air emissions (stack and fugitive) and discharges to surface water. Exhibit D.1 shows the quantities of individual PCs released as air emissions and surface water discharges from 2005 to 2007. Lead and lead compounds accounted for approximately 79 percent of the PCs released to surface water and approximately 32 percent of the PCs released as air emissions.
### Exhibit D.1. Total Quantity of Releases (Air Emissions and Surface Water Discharges) by Priority Chemical (2005–2007)

<table>
<thead>
<tr>
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<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2005</td>
<td>2006</td>
</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>7</td>
<td>39,881</td>
<td>274</td>
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<td>2,4,5-Trichlorophenol</td>
<td>0</td>
<td>169</td>
<td>3,506</td>
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<tr>
<td>Anthracene</td>
<td>39</td>
<td>37,264</td>
<td>586</td>
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<td>Benzo(a,h,i)perylene</td>
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<td>9,710</td>
<td>432</td>
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<td>Cadmium and cadmium compounds</td>
<td>34</td>
<td>5,811</td>
<td>266</td>
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<tr>
<td>Dibenzoofuran</td>
<td>12</td>
<td>6,175</td>
<td>0</td>
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<tr>
<td>Dioxin and dioxin-like compounds*</td>
<td>348</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Heptachlor</td>
<td>0</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Hexachloro-1,3-butadiene</td>
<td>5</td>
<td>343</td>
<td>2</td>
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<tr>
<td>Hexachlorobenzene</td>
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<td>62</td>
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<td>Hexachloroethane</td>
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<td>0</td>
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<tr>
<td>Lead and lead compounds</td>
<td>2,960</td>
<td>495,438</td>
<td>58,853</td>
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<td>Mercury and mercury compounds</td>
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<td>403</td>
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<tr>
<td>Naphthalene</td>
<td>626</td>
<td>1,010,474</td>
<td>11,290</td>
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<tr>
<td>Pendimethalin</td>
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<td>126</td>
<td>15</td>
</tr>
<tr>
<td>Pentachlorobenzene</td>
<td>2</td>
<td>29</td>
<td>1</td>
</tr>
<tr>
<td>Pentachlorophenol</td>
<td>17</td>
<td>123</td>
<td>223</td>
</tr>
<tr>
<td>Phenanthrene</td>
<td>59</td>
<td>57,769</td>
<td>830</td>
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<td>Polychlorinated biphenyls (PCBs)</td>
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<td>4</td>
<td>2</td>
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<td>Polycyclic aromatic compounds (PACs)</td>
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<td>8,465</td>
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<td>Quinotexane</td>
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<td>Trifluralin</td>
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<td>1,276</td>
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<tr>
<td>Total</td>
<td>5,542</td>
<td>1,892,718</td>
<td>85,215</td>
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</table>

* Facilities report dioxin and dioxin-like compounds to TRI in grams, with a reporting threshold of 0.1 grams. For the purposes of this table, we converted the quantity reported as grams to pounds.

In 2007, facilities in 300 different NAICS codes reported releasing PCs as air emissions or surface water discharges. Facilities in 19 NAICS codes reported 80 percent of the total released quantity of PCs (Exhibit D.2).
### Exhibit D.2. Industries Accounting for 80 Percent of Released Priority Chemicals (2007)

<table>
<thead>
<tr>
<th>NAICS Code</th>
<th>NAICS Code Description</th>
<th>Priority Chemical</th>
<th>Number of Facilities Reporting Releases of This PC (2007)</th>
<th>Released Quantity (pounds)</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>Percent of Total National Released Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Air Emissions</td>
<td>Surface Water Discharges</td>
<td>Air Emissions</td>
<td>Surface Water Discharges</td>
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<td>324110</td>
<td>Petroleum Refineries</td>
<td>Anthracene</td>
<td>16</td>
<td>3,038</td>
<td>121</td>
<td>3,049</td>
<td>157</td>
<td>1,912</td>
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<tr>
<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
<td>50</td>
<td>1,007</td>
<td>229</td>
<td>821</td>
<td>254</td>
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<td>Cadmium and cadmium compounds</td>
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<td>0</td>
<td>0</td>
<td>35</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dibenzofuran</td>
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<td>3</td>
<td>0</td>
<td>56</td>
<td>0</td>
<td>13</td>
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<tr>
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<td></td>
<td>Dioxin and dioxin-like compounds*</td>
<td>26</td>
<td>&lt;1</td>
<td>1</td>
<td>&lt;1</td>
<td>1</td>
<td>0</td>
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<td></td>
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<td>Lead and lead compounds</td>
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<td>6,275</td>
<td>2,957</td>
<td>11,297</td>
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<td>Mercury and mercury compounds</td>
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<td>1,378</td>
<td>93</td>
<td>1,499</td>
<td>210</td>
<td>2,235</td>
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<td></td>
<td>Naphthalene</td>
<td>113</td>
<td>266,877</td>
<td>3,067</td>
<td>266,545</td>
<td>2,117</td>
<td>237,516</td>
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<td>Phenanthrene</td>
<td>32</td>
<td>5,701</td>
<td>353</td>
<td>2,480</td>
<td>525</td>
<td>3,511</td>
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<td>30,901</td>
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<td>606</td>
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<td>Dioxin and dioxin-like compounds*</td>
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<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
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<td></td>
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<td>6</td>
<td>1</td>
<td>33</td>
<td>27</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
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<td>685</td>
<td>260</td>
<td>806</td>
<td>5,919</td>
<td>673</td>
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<td>Mercury and mercury compounds</td>
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<td>240</td>
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<td>203</td>
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<td>189</td>
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<td>174,119</td>
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<td>12,562</td>
<td>377</td>
<td>13,391</td>
<td>112</td>
<td>11,072</td>
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<td><strong>216,344</strong></td>
<td><strong>7,455</strong></td>
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<td>331492</td>
<td>Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)</td>
<td>Cadmium and cadmium compounds</td>
<td>5</td>
<td>838</td>
<td>96</td>
<td>1,236</td>
<td>71</td>
<td>753</td>
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<td></td>
<td>Dioxin and dioxin-like compounds*</td>
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<td>0</td>
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<td>Lead and lead compounds</td>
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<td>51,862</td>
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<td>47,924</td>
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<td>75</td>
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<td>38</td>
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<td></td>
<td>Cadmium and cadmium compounds</td>
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<td>838</td>
<td>96</td>
<td>1,236</td>
<td>71</td>
<td>753</td>
</tr>
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<td></td>
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<td><strong>49,235</strong></td>
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</table>
### Exhibit D.2. Industries Accounting for 80 Percent of Released Priority Chemicals (2007) (Continued)

<table>
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<th>NAICS Code</th>
<th>NAICS Code Description</th>
<th>Priority Chemical</th>
<th>Number of Facilities Reporting Releases of This PC (2007)</th>
<th>Released Quantity (pounds)</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>Percent of Total National Released Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>331511</td>
<td>Iron Foundries</td>
<td>Dioxin and dioxin-like compounds*</td>
<td>4 &lt;1 0 &lt;1 0</td>
<td>73,548 4,320 60,139 5,409 103,206 1,195</td>
<td>17.4%</td>
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<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td>139</td>
<td>73,231 4,840 63,211 10,319 78,419 5,028</td>
<td>13.6%</td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Mercury and mercury compounds</td>
<td>17 1</td>
<td>232 1 358 1 361 0</td>
<td>2.0%</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Naphthalene</td>
<td>7 1</td>
<td>26,818 11 35,098 11 14,665 0</td>
<td>1.7%</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>1 0</td>
<td>761 0 86 0 812 0</td>
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<td></td>
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<td></td>
<td>Total Releases for NAICS Code 331511</td>
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<td>332812</td>
<td>Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers</td>
<td>Lead and lead compounds</td>
<td>47 17 1,004 648 57</td>
<td>0.1%</td>
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<td></td>
<td></td>
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<tr>
<td></td>
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<td>Naphthalene</td>
<td>33 153,378 0 115,077 0</td>
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<tr>
<td></td>
<td>Total Releases for NAICS Code 332812</td>
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<td>73,892 17 154,382 55 115,725 57</td>
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<td>331111</td>
<td>Iron and Steel Mills</td>
<td>Anthracene</td>
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<td>34 0 28 0 76 0</td>
<td>1.1%</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
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<td>85 0 81 0 66 0</td>
<td>0.6%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cadmium and cadmium compounds</td>
<td>11 9</td>
<td>671 11 347 9 894 24</td>
<td>17.3%</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>Dibenzo furan</td>
<td>1 0</td>
<td>86 0 72 0 76 0</td>
<td>1.3%</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dioxin and dioxin-like compounds*</td>
<td>12 &lt;1 0</td>
<td>&lt;1 0 &lt;1 0</td>
<td>0.0%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td>90 1,004 213 10,319 78,419 5,028</td>
<td>13.6%</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Mercury and mercury compounds</td>
<td>47 25</td>
<td>4,593 19 4,871 25 4,305 13</td>
<td>24.2%</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>Naphthalene</td>
<td>4 34</td>
<td>5,402 33 11,085 34 8,788 29</td>
<td>10.0%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Phenanthrene</td>
<td>2 0</td>
<td>430 0 362 0 492 0</td>
<td>1.6%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>4 257</td>
<td>475 1,570 25 1,704 113</td>
<td>0.9%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Releases for NAICS Code 331111</td>
<td></td>
<td>85,006 5,160 101,627 10,411 92,820 5,207</td>
<td>5.5%</td>
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<td></td>
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</tr>
<tr>
<td>331312</td>
<td>Primary Aluminum Production</td>
<td>Anthracene</td>
<td>0 0</td>
<td>1,643 0 811 0 0 0</td>
<td>0.0%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
<td>10 3</td>
<td>3,836 0 3,953 3 6,251 0</td>
<td>53.3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dioxin and dioxin-like compounds*</td>
<td>2 &lt;1 0</td>
<td>&lt;1 0 &lt;1 0</td>
<td>0.0%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td>11 25</td>
<td>7,049 214 6,884 250 5,111 51</td>
<td>0.9%</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mercury and mercury compounds</td>
<td>2 25</td>
<td>979 0 592 0 262 0</td>
<td>1.5%</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Naphthalene</td>
<td>1 34</td>
<td>11,125 0 3,406 0 3,746 0</td>
<td>0.4%</td>
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<tr>
<td></td>
<td></td>
<td>Phenanthrene</td>
<td>0 0</td>
<td>6,039 0 2,211 0 0 0</td>
<td>0.0%</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polychlorinated biphenyls (PCBs)</td>
<td>0 0</td>
<td>30,329 2 34,281 8 53,836 5</td>
<td>27.3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>10 8</td>
<td>30,329 2 34,281 8 53,836 5</td>
<td>27.3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Releases for NAICS Code 331312</td>
<td></td>
<td>61,000 216 51,938 261 69,205 57</td>
<td>3.9%</td>
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### Exhibit D.2. Industries Accounting for 80 Percent of Released Priority Chemicals (2007) (Continued)

<table>
<thead>
<tr>
<th>NAICS Code</th>
<th>NAICS Code Description</th>
<th>Priority Chemical</th>
<th>Number of Facilities Reporting Releases of This PC (2007)</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>Percent of Total National Released Quantity of This PC (2007)</th>
</tr>
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<tbody>
<tr>
<td>322130</td>
<td>Paperboard Mills</td>
<td>Benzo(g,h,i)perylene</td>
<td>11</td>
<td>26</td>
<td>17</td>
<td>25</td>
<td>16</td>
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<tr>
<td>322130</td>
<td>Paperboard Mills</td>
<td>Dioxin and dioxin-like compounds*</td>
<td>26</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
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<tr>
<td>322130</td>
<td>Paperboard Mills</td>
<td>Lead and lead compounds</td>
<td>76</td>
<td>6,216</td>
<td>8,623</td>
<td>10,236</td>
<td>8,302</td>
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<td>Paperboard Mills</td>
<td>Mercury and mercury compounds</td>
<td>29</td>
<td>575</td>
<td>14</td>
<td>464</td>
<td>22</td>
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<tr>
<td>322130</td>
<td>Paperboard Mills</td>
<td>Naphthalene</td>
<td>2</td>
<td>19,209</td>
<td>355</td>
<td>8,183</td>
<td>15</td>
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<td>Paperboard Mills</td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>26</td>
<td>5,685</td>
<td>207</td>
<td>8,645</td>
<td>137</td>
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<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
<td>11</td>
<td>26</td>
<td>17</td>
<td>25</td>
<td>16</td>
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<tr>
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<td>9,216</td>
<td>27,553</td>
<td>8,492</td>
<td>40,129</td>
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<td>Paper (except Newsprint) Mills</td>
<td>Benzo(g,h,i)perylene</td>
<td>23</td>
<td>32</td>
<td>38</td>
<td>28</td>
<td>38</td>
</tr>
<tr>
<td>322121</td>
<td>Paper (except Newsprint) Mills</td>
<td>Dioxin and dioxin-like compounds*</td>
<td>57</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>&lt;1</td>
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<tr>
<td>322121</td>
<td>Paper (except Newsprint) Mills</td>
<td>Lead and lead compounds</td>
<td>83</td>
<td>8,691</td>
<td>10,746</td>
<td>8,169</td>
<td>9,951</td>
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<tr>
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<td>Paper (except Newsprint) Mills</td>
<td>Mercury and mercury compounds</td>
<td>45</td>
<td>776</td>
<td>41</td>
<td>773</td>
<td>81</td>
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<td>Paper (except Newsprint) Mills</td>
<td>Naphthalene</td>
<td>5</td>
<td>27,896</td>
<td>77</td>
<td>21,199</td>
<td>455</td>
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<tr>
<td>322121</td>
<td>Paper (except Newsprint) Mills</td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>33</td>
<td>6,298</td>
<td>376</td>
<td>5,324</td>
<td>172</td>
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<td>Total Releases for NAICS Code 322121</td>
<td>43,693</td>
<td>11,278</td>
<td>35,493</td>
<td>10,697</td>
<td>35,053</td>
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<td>331513</td>
<td>Steel Foundries (except Investment)</td>
<td>Lead and lead compounds</td>
<td>25</td>
<td>5,239</td>
<td>21</td>
<td>5,259</td>
<td>45</td>
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<td>Steel Foundries (except Investment)</td>
<td>Mercury and mercury compounds</td>
<td>4</td>
<td>87</td>
<td>0</td>
<td>54</td>
<td>0</td>
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<td>331513</td>
<td>Steel Foundries (except Investment)</td>
<td>Naphthalene</td>
<td>10</td>
<td>55,498</td>
<td>30</td>
<td>26,964</td>
<td>72</td>
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<td>Total Releases for NAICS Code 331513</td>
<td>60,823</td>
<td>51</td>
<td>32,277</td>
<td>117</td>
<td>40,599</td>
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<tr>
<td>928110</td>
<td>National Security</td>
<td>Dioxin and dioxin-like compounds*</td>
<td>0</td>
<td>&lt;1</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>928110</td>
<td>National Security</td>
<td>Lead and lead compounds</td>
<td>78</td>
<td>58,470</td>
<td>1,146</td>
<td>40,139</td>
<td>1,499</td>
</tr>
<tr>
<td>928110</td>
<td>National Security</td>
<td>Mercury and mercury compounds</td>
<td>6</td>
<td>48</td>
<td>0</td>
<td>90</td>
<td>21</td>
</tr>
<tr>
<td>928110</td>
<td>National Security</td>
<td>Naphthalene</td>
<td>24</td>
<td>722</td>
<td>121</td>
<td>1,194</td>
<td>64</td>
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<td>Total Releases for NAICS Code 928110</td>
<td>59,240</td>
<td>1,267</td>
<td>41,423</td>
<td>1,584</td>
<td>37,363</td>
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<td>336112</td>
<td>Light Truck and Utility Vehicle Manufacturing</td>
<td>Benzo(g,h,i)perylene</td>
<td>2</td>
<td>&lt;1</td>
<td>0</td>
<td>&lt;1</td>
<td>0</td>
</tr>
<tr>
<td>336112</td>
<td>Light Truck and Utility Vehicle Manufacturing</td>
<td>Lead and lead compounds</td>
<td>4</td>
<td>11</td>
<td>2</td>
<td>119</td>
<td>3</td>
</tr>
<tr>
<td>336112</td>
<td>Light Truck and Utility Vehicle Manufacturing</td>
<td>Naphthalene</td>
<td>6</td>
<td>38,475</td>
<td>0</td>
<td>40,652</td>
<td>0</td>
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<tr>
<td>336112</td>
<td>Light Truck and Utility Vehicle Manufacturing</td>
<td>Polycyclic aromatic compounds (PACs)</td>
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<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
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<tr>
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<td>Total Releases for NAICS Code 336112</td>
<td>38,486</td>
<td>2</td>
<td>40,772</td>
<td>3</td>
<td>37,894</td>
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### Exhibit D.2. Industries Accounting for 80 Percent of Released Priority Chemicals (2007) (Continued)

<table>
<thead>
<tr>
<th>NAICS Code</th>
<th>NAICS Code Description</th>
<th>Priority Chemical</th>
<th>Number of Facilities Reporting Releases of This PC (2007)</th>
<th>Released Quantity (pounds)</th>
<th>Percent of Total National Released Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>324199</td>
<td>All Other Petroleum and Coal Products Manufacturing</td>
<td>Anthracene</td>
<td>3</td>
<td>436 (Air Emissions) 5 (Surface Water Discharges)</td>
<td>5 (Air Emissions) 5 (Surface Water Discharges) 5 (Air Emissions) 5 (Surface Water Discharges) 8.7%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
<td>4</td>
<td>186 (Air Emissions) 1 (Surface Water Discharges)</td>
<td>1 (Air Emissions) 1 (Surface Water Discharges) 1 (Air Emissions) 1 (Surface Water Discharges) 3.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dibenzofuran</td>
<td>1</td>
<td>463 (Air Emissions) 0 (Surface Water Discharges)</td>
<td>0 (Air Emissions) 0 (Surface Water Discharges) 0 (Air Emissions) 0 (Surface Water Discharges) 8.2%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td>11</td>
<td>984 (Air Emissions) 11 (Surface Water Discharges)</td>
<td>9 (Air Emissions) 9 (Surface Water Discharges) 9 (Air Emissions) 9 (Surface Water Discharges) 0.2%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mercury and mercury compounds</td>
<td>8</td>
<td>56 (Air Emissions) 0 (Surface Water Discharges)</td>
<td>0 (Air Emissions) 0 (Surface Water Discharges) 0 (Air Emissions) 0 (Surface Water Discharges) 0.9%</td>
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<tr>
<td></td>
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<td>Naphthalene</td>
<td>6</td>
<td>14,358 (Air Emissions) 3 (Surface Water Discharges)</td>
<td>5 (Air Emissions) 13,169 (Surface Water Discharges) 5 (Air Emissions) 13,876 (Surface Water Discharges) 1.5%</td>
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<tr>
<td></td>
<td></td>
<td>Phenanthrene</td>
<td>4</td>
<td>2,024 (Air Emissions) 5 (Surface Water Discharges)</td>
<td>5 (Air Emissions) 7,392 (Surface Water Discharges) 5 (Air Emissions) 23.8%</td>
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<tr>
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<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>6</td>
<td>6,283 (Air Emissions) 10 (Surface Water Discharges)</td>
<td>13 (Air Emissions) 13,876 (Surface Water Discharges) 3 (Air Emissions) 7.0%</td>
</tr>
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<td>Total Releases for NAICS Code 324199</td>
<td></td>
<td></td>
<td>38,486 (Air Emissions) 2 (Surface Water Discharges)</td>
<td>3 (Air Emissions) 37,894 (Surface Water Discharges) 2 (Air Emissions) 2.1%</td>
</tr>
<tr>
<td>322110</td>
<td>Pulp Mills</td>
<td>Benzo(g,h,i)perylene</td>
<td>23</td>
<td>48 (Air Emissions) 26 (Surface Water Discharges)</td>
<td>29 (Air Emissions) 41 (Surface Water Discharges) 13 (Air Emissions) 0.5%</td>
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<tr>
<td></td>
<td></td>
<td>Dioxin and dioxin-like compounds*</td>
<td>38</td>
<td>&lt;1 (Air Emissions) &lt;1 (Surface Water Discharges)</td>
<td>&lt;1 (Air Emissions) &lt;1 (Surface Water Discharges) &lt;1 (Air Emissions) 0.0%</td>
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<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td>40</td>
<td>8,593 (Air Emissions) 5,976 (Surface Water Discharges)</td>
<td>6,981 (Air Emissions) 6,215 (Surface Water Discharges) 5,111 (Air Emissions) 4,165 (Surface Water Discharges) 1.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mercury and mercury compounds</td>
<td>23</td>
<td>345 (Air Emissions) 44 (Surface Water Discharges)</td>
<td>338 (Air Emissions) 41 (Surface Water Discharges) 343 (Air Emissions) 28 (Surface Water Discharges) 2.1%</td>
</tr>
<tr>
<td></td>
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<td>Naphthalene</td>
<td>5</td>
<td>25,686 (Air Emissions) 35 (Surface Water Discharges)</td>
<td>28,109 (Air Emissions) 111 (Surface Water Discharges) 20,943 (Air Emissions) 182 (Surface Water Discharges) 2.4%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>34</td>
<td>7,581 (Air Emissions) 450 (Surface Water Discharges)</td>
<td>7,987 (Air Emissions) 364 (Surface Water Discharges) 6,222 (Air Emissions) 169 (Surface Water Discharges) 3.2%</td>
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<td>Total Releases for NAICS Code 322110</td>
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<td></td>
<td>42,253 (Air Emissions) 6,531 (Surface Water Discharges)</td>
<td>43,467 (Air Emissions) 6,760 (Surface Water Discharges) 32,660 (Air Emissions) 4,557 (Surface Water Discharges) 2.1%</td>
</tr>
<tr>
<td>331210</td>
<td>Iron and Steel Pipe and Tube Manufacturing from Purchased Steel</td>
<td>Anthracene</td>
<td>1</td>
<td>2,762 (Air Emissions) 74 (Surface Water Discharges)</td>
<td>81 (Air Emissions) 287 (Surface Water Discharges) 38 (Air Emissions) 4.9%</td>
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<tr>
<td></td>
<td></td>
<td>Dibenzofuran</td>
<td>1</td>
<td>0 (Air Emissions) 0 (Surface Water Discharges)</td>
<td>0 (Air Emissions) 824 (Surface Water Discharges) 0 (Air Emissions) 14.5%</td>
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<td></td>
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<td>Lead and lead compounds</td>
<td>11</td>
<td>754 (Air Emissions) 900 (Surface Water Discharges)</td>
<td>860 (Air Emissions) 662 (Surface Water Discharges) 889 (Air Emissions) 447 (Surface Water Discharges) 0.2%</td>
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<td></td>
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<td>Mercury and mercury compounds</td>
<td>2</td>
<td>3 (Air Emissions) 1 (Surface Water Discharges)</td>
<td>2 (Air Emissions) 6 (Surface Water Discharges) 0 (Air Emissions) 0.0%</td>
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<td></td>
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<td>16,670 (Air Emissions) 10 (Surface Water Discharges)</td>
<td>16,269 (Air Emissions) 13 (Surface Water Discharges) 25,430 (Air Emissions) 27 (Surface Water Discharges) 2.9%</td>
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<td>2,685 (Air Emissions) 74 (Surface Water Discharges)</td>
<td>81 (Air Emissions) 3,316 (Surface Water Discharges) 38 (Air Emissions) 10.8%</td>
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<td>680 (Air Emissions) 35 (Surface Water Discharges)</td>
<td>658 (Air Emissions) 39 (Surface Water Discharges) 2,191 (Air Emissions) 21 (Surface Water Discharges) 1.1%</td>
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<tr>
<td></td>
<td>Total Releases for NAICS Code 331210</td>
<td></td>
<td></td>
<td>23,554 (Air Emissions) 1,094 (Surface Water Discharges)</td>
<td>20,890 (Air Emissions) 885 (Surface Water Discharges) 32,943 (Air Emissions) 571 (Surface Water Discharges) 1.9%</td>
</tr>
</tbody>
</table>
### Exhibit D.2. Industries Accounting for 80 Percent of Released Priority Chemicals (2007) (Continued)

<table>
<thead>
<tr>
<th>NAICS Code</th>
<th>NAICS Code Description</th>
<th>Priority Chemical</th>
<th>Number of Facilities Reporting Releases of This PC (2007)</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>Percent of Total National Released Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>325192</td>
<td>Cyclic Crude and Intermediate Manufacturing</td>
<td>1,2,4-Trichlorobenzene</td>
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<td></td>
<td></td>
<td>Anthracene</td>
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<td>0</td>
<td>449</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
<td>2</td>
<td>34</td>
<td>0</td>
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<td>Dibenzo furan</td>
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<td>Dioxin and dioxin-like compounds*</td>
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<td>&lt;1</td>
<td>0</td>
<td>&lt;1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
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<td>8</td>
<td>28</td>
<td>23</td>
<td>103</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>Plastics Material and Resin Manufacturing</td>
<td>Benzo(g,h,i)perylene</td>
<td>3</td>
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<td>0</td>
<td>8</td>
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<td></td>
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<td>Dioxin and dioxin-like compounds*</td>
<td>12</td>
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<td>&lt;1</td>
<td>&lt;1</td>
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<td></td>
<td>Heptachlor</td>
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<td>2</td>
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<td>0</td>
</tr>
<tr>
<td></td>
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<td>Hexachloro-1,3-butadiene</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td></td>
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<td>Hexachlorobenzene</td>
<td>2</td>
<td>80</td>
<td>1</td>
<td>79</td>
<td>1</td>
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<tr>
<td></td>
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<td>Hexachloroethane</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
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<td>Lead and lead compounds</td>
<td>18</td>
<td>3,326</td>
<td>621</td>
<td>3,524</td>
<td>580</td>
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<td></td>
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<td>Mercury and mercury compounds</td>
<td>5</td>
<td>217</td>
<td>17</td>
<td>189</td>
<td>17</td>
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<td>Naphthalene</td>
<td>22</td>
<td>28,453</td>
<td>56</td>
<td>10,580</td>
<td>68</td>
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<td>Pentachlorobenzene</td>
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<tr>
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<td></td>
<td>Polychlorinated biphenyls (PCBs)</td>
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<td>&lt;1</td>
<td>&lt;1</td>
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<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>5</td>
<td>215</td>
<td>201</td>
<td>176</td>
<td>96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trifluralin</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Releases for NAICS Code 325192 | 59,907 | 90 | 44,883 | 172 | 30,796 | 167 | 1.7% |

Total Releases for NAICS Code 325211 | 32,301 | 900 | 14,565 | 762 | 21,973 | 5,184 | 1.5% |
Exhibit D.2. Industries Accounting for 80 Percent of Released Priority Chemicals (2007) (Continued)

<table>
<thead>
<tr>
<th>NAICS Code</th>
<th>NAICS Code Description</th>
<th>Priority Chemical</th>
<th>Number of Facilities Reporting Releases of This PC (2007)</th>
<th>Released Quantity (pounds)</th>
<th>Percent of Total National Released Quantity of This PC (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td>325199</td>
<td>All Other Basic Organic Chemical Manufacturing</td>
<td>1,2,4-Trichlorobenzene</td>
<td>1</td>
<td>260 0 280 0 280 0 280 0</td>
<td>1.3%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Anthracene</td>
<td>6</td>
<td>595 13 489 6 623 6 623 6</td>
<td>9.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Benzo(g,h,i)perylene</td>
<td>3</td>
<td>&lt;1 33 &lt;1 0 &lt;1 0 &lt;1 0</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cadmium and cadmium compounds</td>
<td>3</td>
<td>50 112 37 49 27 43 27 43</td>
<td>1.3%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dioxin and dioxin-like compounds*</td>
<td>8</td>
<td>&lt;1 &lt;1 &lt;1 &lt;1 &lt;1 &lt;1 &lt;1 &lt;1</td>
<td>0.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hexachloro-1,3-butadiene</td>
<td>1</td>
<td>259 0 64 0 82 0 82 0</td>
<td>21.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hexachlorobenzene</td>
<td>4</td>
<td>2 17 2 4 4 21 21 23.5%</td>
<td></td>
</tr>
<tr>
<td>324122</td>
<td>Asphalt Shingle and Coating Materials Manufacturing</td>
<td>Hexachloroethane</td>
<td>4</td>
<td>215 0 116 0 139 105 139 105</td>
<td>38.1%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td>25</td>
<td>2,249 412 2,141 458 2,062 498</td>
<td>0.4%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mercury and mercury compounds</td>
<td>10</td>
<td>209 1 242 2 245 9 245 9</td>
<td>1.4%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Naphthalene</td>
<td>22</td>
<td>22,998 251 23,288 37 21,705 42 21,705 42</td>
<td>2.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pentachlorobenzene</td>
<td>1</td>
<td>25 0 25 0 2 0 2 0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Phenanthrene</td>
<td>3</td>
<td>81 13 68 6 78 6 78 6</td>
<td>0.3%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polychlorinated biphenyls (PCBs)</td>
<td>0</td>
<td>0 2 0 1 0 0 0 0</td>
<td>0.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
<td>6</td>
<td>69 33 51 0 72 0 72 0</td>
<td>0.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Releases for NAICS Code 325199</td>
<td>27,011 887 26,803 563 25,319 730 25,319 730</td>
</tr>
<tr>
<td>324122</td>
<td>Asphalt Shingle and Coating Materials Manufacturing</td>
<td></td>
<td></td>
<td>Total Releases for NAICS Code 3241221</td>
<td>10,546 11 797 0 23,213 1 23,213 1</td>
</tr>
</tbody>
</table>

* Facilities report dioxin and dioxin-like compounds to TRI in grams, with a reporting threshold of 0.1 grams. For the purposes of this table, we converted the quantity reported as grams to pounds.

Exhibit D.3 shows the Federal agencies that released PCs as air emissions or surface water discharges from 2005 to 2007. For example, Army facilities (Department of Defense) accounted for approximately 64 percent of the total PCs released by Federal facilities, including 66 percent of the lead and lead compounds.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Air Emissions</td>
<td>Surface Water Discharges</td>
<td>Air Emissions</td>
<td>Surface Water Discharges</td>
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<tr>
<td>Department of Defense</td>
<td>Air Force</td>
<td>Dioxin and dioxin-like compounds*</td>
<td></td>
<td>0</td>
<td>&lt;1</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Lead and lead compounds</td>
<td></td>
<td>15</td>
<td>1,071</td>
<td>232</td>
<td>2,713</td>
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<td>Naphthalene</td>
<td></td>
<td>14</td>
<td>263</td>
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<td>296</td>
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<tr>
<td></td>
<td></td>
<td>Department of Defense - Air Force Total</td>
<td></td>
<td>1,334</td>
<td>262</td>
<td>3,009</td>
<td>79</td>
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<td>Army</td>
<td>Lead and lead compounds</td>
<td></td>
<td>29</td>
<td>50,500</td>
<td>168</td>
<td>24,697</td>
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<td>Mercury and mercury compounds</td>
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<td>26</td>
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<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polychlorinated biphenyls (PCBs)</td>
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<td>0</td>
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<td>Department of Defense - Army Total</td>
<td></td>
<td>50,526</td>
<td>168</td>
<td>24,706</td>
<td>687</td>
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<td>Marine Corps</td>
<td>Lead and lead compounds</td>
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<td>10,160</td>
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<td>519</td>
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<td></td>
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<td>5,456</td>
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<td>10,679</td>
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<td>Military Academy</td>
<td>Lead and lead compounds</td>
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<td>1</td>
<td>106</td>
<td>0</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Defense – Military Academy Total</td>
<td></td>
<td>106</td>
<td>0</td>
<td>60</td>
<td>0</td>
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<td>Navy</td>
<td>Lead and lead compounds</td>
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<td>1,794</td>
<td>749</td>
<td>1,808</td>
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<td>22</td>
<td>0</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Naphthalene</td>
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<td>7</td>
<td>264</td>
<td>90</td>
<td>379</td>
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<td>839</td>
<td>2,209</td>
<td>782</td>
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<td>National Laboratory System</td>
<td>Lead and lead compounds</td>
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<td>8</td>
<td>188</td>
<td>4</td>
<td>46</td>
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<td>Mercury and mercury compounds</td>
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<td>&lt;1</td>
<td>0</td>
<td>0</td>
</tr>
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<td></td>
<td>Naphthalene</td>
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<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td></td>
<td>Polycyclic aromatic compounds (PACs)</td>
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<td>133</td>
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<td></td>
<td></td>
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<td></td>
<td>330</td>
<td>4</td>
<td>266</td>
<td>11</td>
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<td>National Nuclear Security Administration</td>
<td>Lead and lead compounds</td>
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<td>4</td>
<td>49</td>
<td>1,331</td>
<td>40</td>
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<td></td>
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<td>Mercury and mercury compounds</td>
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<td>21</td>
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<td>16</td>
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<td>National Laboratory System</td>
<td>Department of Energy - National Laboratory System Total</td>
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<td>0</td>
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<td></td>
<td>Department of Energy - Office of Civilian Radioactive Waste Management Total</td>
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</table>

<table>
<thead>
<tr>
<th>Priority Chemical</th>
<th>Number of Federal Facilities Reporting Releasing This PC (2007)</th>
<th>Released Quantity (pounds)</th>
<th>Percent of Total Quantity of This PC Released by Federal Facilities (2007)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Federal Agency</strong></td>
<td><strong>Federal SubAgency</strong></td>
<td></td>
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<tr>
<td><strong>Department of Energy</strong></td>
<td><strong>Office of Environmental Management</strong></td>
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<td>37</td>
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<tr>
<td></td>
<td><strong>Mercury and mercury compounds</strong></td>
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<td>69</td>
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<tr>
<td><strong>Department of Energy - Office</strong></td>
<td><strong>Environmental Management Total</strong></td>
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<td><strong>56</strong></td>
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<tr>
<td><strong>Department of Energy</strong></td>
<td><strong>Safeguards &amp; Security National Training Academy</strong></td>
<td>1</td>
<td>15</td>
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<tr>
<td><strong>Department of Energy - Safeguards &amp; Security National Training Academy Total</strong></td>
<td><strong>15</strong></td>
<td><strong>0</strong></td>
<td><strong>24</strong></td>
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<tr>
<td></td>
<td><strong>U.S. Enrichment Corporation</strong></td>
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<td><strong>Department of Energy - U.S. Enrichment Corporation Total</strong></td>
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<td><strong>0</strong></td>
<td><strong>20</strong></td>
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<td><strong>Coast Guard</strong></td>
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<td><strong>23</strong></td>
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<tr>
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<td><strong>0</strong></td>
<td><strong>146</strong></td>
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<td><strong>0</strong></td>
<td><strong>0</strong></td>
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<td><strong>Department of Justice</strong></td>
<td><strong>Federal Bureau of Investigation</strong></td>
<td>1</td>
<td>0</td>
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<td><strong>Department of Justice - Federal Bureau of Investigation Total</strong></td>
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<td><strong>55</strong></td>
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<td><strong>Department of the Interior</strong></td>
<td><strong>National Park Service</strong></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Department of the Interior – National Park Service Total</strong></td>
<td><strong>1</strong></td>
<td><strong>0</strong></td>
<td><strong>1</strong></td>
</tr>
<tr>
<td><strong>Department of Treasury</strong></td>
<td><strong>Bureau of Engraving &amp; Printing</strong></td>
<td>1</td>
<td>&lt;1</td>
</tr>
<tr>
<td><strong>Department of Treasury - Bureau of Engraving &amp; Printing Total</strong></td>
<td><strong>&lt;1</strong></td>
<td><strong>0</strong></td>
<td><strong>&lt;1</strong></td>
</tr>
<tr>
<td><strong>Department of Treasury</strong></td>
<td><strong>U.S. Mint</strong></td>
<td>1</td>
<td>&lt;1</td>
</tr>
<tr>
<td><strong>Department of Treasury – U.S. Mint Total</strong></td>
<td><strong>&lt;1</strong></td>
<td><strong>0</strong></td>
<td><strong>&lt;1</strong></td>
</tr>
<tr>
<td>Federal Agency</td>
<td>Federal SubAgency</td>
<td>Priority Chemical</td>
<td>Number of Federal Facilities Reporting Releasing This PC (2007)</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-------------------------------------</td>
<td>-----------------------------------</td>
<td>----------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Aeronautics and Space Administration</td>
<td>National Aeronautics and Space Administration</td>
<td>Lead and lead compounds</td>
<td>3</td>
</tr>
<tr>
<td>Tennessee Valley Authority</td>
<td>Tennessee Valley Authority</td>
<td>Lead and lead compounds</td>
<td>1</td>
</tr>
</tbody>
</table>

**National Aeronautics and Space Administration Total** | **56** | **<1** | **77** | **<1** | **60** | **0** | **0.1%**

**Tennessee Valley Authority Total** | **2** | **22** | **2** | **7** | **2** | **44** | **0.1%**

* Facilities report dioxin and dioxin-like compounds to TRI in grams, with a reporting threshold of 0.1 grams. For the purposes of this table, we converted the quantity reported as grams to pounds.
## APPENDIX E

### BIENNIAL REPORT MANAGEMENT METHOD CODES AND DESCRIPTION

<table>
<thead>
<tr>
<th>Management Method Code Group</th>
<th>Management Method Code Reported on BR</th>
<th>Management Method Code Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reclamation and Recovery</strong></td>
<td>H010</td>
<td>Metals recovery</td>
</tr>
<tr>
<td></td>
<td>H020</td>
<td>Solvents recovery</td>
</tr>
<tr>
<td></td>
<td>H039</td>
<td>Other recovery or reclamation for reuse</td>
</tr>
<tr>
<td></td>
<td>H050</td>
<td>Energy recovery at this site</td>
</tr>
<tr>
<td></td>
<td>H061</td>
<td>Fuel blending prior to energy recovery at another site</td>
</tr>
<tr>
<td><strong>Destruction or Treatment Prior to Disposal at Another Site</strong></td>
<td>H040</td>
<td>Incineration</td>
</tr>
<tr>
<td></td>
<td>H071</td>
<td>Chemical reduction with or without precipitation</td>
</tr>
<tr>
<td></td>
<td>H073</td>
<td>Cyanide destruction with or without precipitation</td>
</tr>
<tr>
<td></td>
<td>H075</td>
<td>Chemical oxidation</td>
</tr>
<tr>
<td></td>
<td>H076</td>
<td>Wet air oxidation</td>
</tr>
<tr>
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<td>H077</td>
<td>Other chemical precipitation with or without pre-treatment</td>
</tr>
<tr>
<td></td>
<td>H081</td>
<td>Biological treatment with or without precipitation</td>
</tr>
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<td>H082</td>
<td>Adsorption</td>
</tr>
<tr>
<td></td>
<td>H083</td>
<td>Air or steam stripping</td>
</tr>
<tr>
<td></td>
<td>H101</td>
<td>Sludge treatment and/or dewatering</td>
</tr>
<tr>
<td></td>
<td>H103</td>
<td>Absorption</td>
</tr>
<tr>
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<td>H111</td>
<td>Stabilization or chemical fixation prior to disposal at another site</td>
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<td>H112</td>
<td>Macro-encapsulation prior to disposal at another site</td>
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<td></td>
<td>H121</td>
<td>Neutralization only</td>
</tr>
<tr>
<td></td>
<td>H122</td>
<td>Evaporation</td>
</tr>
<tr>
<td></td>
<td>H123</td>
<td>Settling or clarification</td>
</tr>
<tr>
<td></td>
<td>H124</td>
<td>Phase separation</td>
</tr>
<tr>
<td></td>
<td>H129</td>
<td>Other treatment</td>
</tr>
<tr>
<td><strong>Disposal</strong></td>
<td>H131</td>
<td>Land treatment or application</td>
</tr>
<tr>
<td></td>
<td>H132</td>
<td>Landfill or surface impoundment that will be closed as landfill</td>
</tr>
<tr>
<td></td>
<td>H134</td>
<td>Deepwell or underground injection</td>
</tr>
<tr>
<td></td>
<td>H135</td>
<td>Discharge to sewer/POTW or NPDES</td>
</tr>
<tr>
<td><strong>Transfer Off Site</strong></td>
<td>H141</td>
<td>Storage, bulking, and/or transfer off site</td>
</tr>
</tbody>
</table>
APPENDIX F
CONTACT INFORMATION

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