

*APPENDIX DATA*

*ATTACHMENT D: INVENTORY AND EMPLACED WASTE DATA*

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5 *Table DATA-D4. Compliance Certification Application Relevant Parameters (March*

6 *1, 1999 to September 30, 2002) .....2*

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1 *Waste Inventory as of September 2002*

2 *This attachment identifies the total amounts of certain categories of materials used in*  
 3 *performance assessment (PA) activities that are emplaced in the repository as of September 30,*  
 4 *2002. The information is derived from reports generated by the WIPP Waste Information*  
 5 *System (WWIS). The WWIS database is a computerized data management system used by the*  
 6 *WIPP to gather, store, and process information pertaining to contact-handled (CH)*  
 7 *transuranic (TRU) waste destined for or disposed of at the WIPP.*

8 *Table DATA-D1. Nuclide Inventory (Totals)*

<i>Nuclide</i>	<i>Curies</i>	<i>Kilograms</i>
<i><sup>227</sup>Ac</i>	<i>3.6430E-04</i>	<i>5.0000E-09</i>
<i><sup>241</sup>Am</i>	<i>1.1743E+05</i>	<i>3.3843E+01</i>
<i><sup>243</sup>Am</i>	<i>4.8047E-03</i>	<i>2.3856E-05</i>
<i><sup>60</sup>Co</i>	<i>3.4700E-07</i>	<i>0.0000E+00</i>
<i><sup>137</sup>Cs</i>	<i>3.4124E-04</i>	<i>5.0000E-09</i>
<i><sup>40</sup>K</i>	<i>2.8697E-05</i>	<i>5.0809E-03</i>
<i><sup>22</sup>Na</i>	<i>5.3430E-06</i>	<i>0.0000E+00</i>
<i><sup>237</sup>Np</i>	<i>4.0009E-01</i>	<i>5.6115E-01</i>
<i><sup>231</sup>Pa</i>	<i>5.0402E-04</i>	<i>1.0432E-05</i>
<i><sup>238</sup>Pu</i>	<i>5.6437E+03</i>	<i>3.2628E-01</i>
<i><sup>239</sup>Pu</i>	<i>1.3760E+05</i>	<i>2.1876E+03</i>
<i><sup>240</sup>Pu</i>	<i>3.0994E+04</i>	<i>1.3476E+02</i>
<i><sup>241</sup>Pu</i>	<i>4.3677E+05</i>	<i>4.2006E+00</i>
<i><sup>242</sup>Pu</i>	<i>2.9546E+00</i>	<i>7.4437E-01</i>
<i><sup>226</sup>Ra</i>	<i>7.8780E-06</i>	<i>8.0000E-09</i>
<i><sup>90</sup>Sr</i>	<i>0.0000E+00</i>	<i>0.0000E+00</i>
<i><sup>230</sup>Th</i>	<i>2.4100E-05</i>	<i>1.1800E-06</i>
<i><sup>232</sup>Th</i>	<i>2.6070E-06</i>	<i>2.3646E-02</i>
<i><sup>233</sup>U</i>	<i>2.7269E-01</i>	<i>2.7939E-02</i>
<i><sup>234</sup>U</i>	<i>1.2636E+00</i>	<i>1.9993E-01</i>
<i><sup>235</sup>U</i>	<i>1.2202E-01</i>	<i>5.5718E+01</i>
<i><sup>238</sup>U</i>	<i>6.5298E+00</i>	<i>1.9204E+04</i>
<i>Total:</i>	<i>7.2845E+05</i>	<i>2.1622E+04</i>

9 *Table DATA-D2. Materials Inventory – CPR*

<i>Waste Material</i>	<i>Kilograms</i>
<i>Cellulose</i>	<i>618,821.60</i>
<i>Plastic</i>	<i>306,345.40</i>
<i>Rubber</i>	<i>2,450.31</i>
<i>Total:</i>	<i>927,617.31</i>

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**Table DATA-D3. Materials Inventory – Metals**

<i>Metal</i>	<i>Kilograms</i>
<i>Ferrous</i>	<i>2,487,932.00</i>
<i>Non-Ferrous</i>	<i>31,059.28</i>
<i>Total:</i>	<i>2,518,991.28</i>

2 **Table DATA-D4. Compliance Certification Application Relevant Parameters (March 1, 1999**  
3 **to September 30, 2002)<sup>1</sup>**

<i>Site</i>	<i>Shipments</i>	<i>Container Type</i>	<i>Containers</i>	<i>Weight (kg)</i>	<i>Volume (m3)</i>
<b>EMPLACED WASTE CONTAINERS:</b>					
<i>Savannah River</i>	<i>16</i>	<i>55-Gallon Drum</i>	<i>672</i>	<i>39142.40</i>	<i>141.12</i>
<i>Idaho</i>	<i>509</i>	<i>55-Gallon Drum</i>	<i>13661</i>	<i>2388941.34</i>	<i>2868.81</i>
<i>Idaho</i>	<i>3</i>	<i>Standard Waste Box - Used to overpack four, 55-gallon drums in good condition</i>	<i>8</i>	<i>9106.78</i>	<i>15.04</i>
<i>Los Alamos</i>	<i>1</i>	<i>55-Gallon Drum</i>	<i>28</i>	<i>1535.00</i>	<i>5.88</i>
<i>Los Alamos</i>	<i>25</i>	<i>Standard Waste Box</i>	<i>141</i>	<i>57194.00</i>	<i>265.08</i>
<i>Rocky Flats</i>	<i>101</i>	<i>55-Gallon Drum</i>	<i>3072</i>	<i>202452.34</i>	<i>645.12</i>
<i>Rocky Flats</i>	<i>569</i>	<i>55-Gallon Pipe Overpack - 12 Inch Pipe Overpack</i>	<i>15680</i>	<i>2482536.14</i>	<i>3292.80</i>
<i>Rocky Flats</i>	<i>30</i>	<i>Standard Waste Box</i>	<i>172</i>	<i>135262.98</i>	<i>323.36</i>
<i>Rocky Flats</i>	<i>12</i>	<i>55-Gallon Drum</i>	<i>467</i>	<i>32289.60</i>	<i>98.07</i>
<i>Savannah River</i>	<i>7</i>	<i>55-Gallon Drum</i>	<i>294</i>	<i>17412.40</i>	<i>61.74</i>
		<b>Totals:</b>	<b>34195</b>	<b>5365872.98</b>	<b>7717.02</b>
<b>EMPLACED DUNNAGE<sup>2</sup> CONTAINERS:</b>					
<i>Idaho</i>	<i>226</i>	<i>55-Gallon Drum</i>	<i>516</i>	<i>14964.00</i>	<i>108.36</i>
<i>Rocky Flats</i>	<i>15</i>	<i>55-Gallon Drum</i>	<i>36</i>	<i>1044.00</i>	<i>7.56</i>
<i>Richland</i>	<i>1</i>	<i>55-Gallon Drum</i>	<i>2</i>	<i>58.00</i>	<i>0.42</i>
		<b>Totals:</b>	<b>554</b>	<b>16066.00</b>	<b>116.34</b>

<sup>1</sup> Total Inventory as of 9/30/2002 Containers, Volumes, and Weights by Generator Site and Container type for emplaced waste only.

<sup>2</sup> Dunnage containers are empty containers used to complete a shipping configuration, such as the seven-pack, if too few containers are available that meet transportation requirements. Dunnage containers must clearly be marked "Empty."

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