

**APPENDIX DATA**

**ATTACHMENT D: INVENTORY AND EMPLACED WASTE DATA**

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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) transuranic  
 7 (TRU) waste destined for or disposed of at the WIPP.

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

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

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

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

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

Metal	Kilograms
Ferrous	2,487,932.00
Non-Ferrous	31,059.28
Total:	2,518,991.28

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

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

<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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