



Department of Energy  
Carlsbad Field Office  
P. O. Box 3090  
Carlsbad, New Mexico 88221

DEC 1 2003



Mr. Frank Marcinowski  
Office of Radiation and Indoor Air  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460

Subject: 2003 Annual Change Report – Update

Dear Mr. Marcinowski:

Please replace the “Summary of Waste Emplacement Inventory as of June 30, 2003” reported in Table 4 of Enclosure 1 of the Annual Change Report with the version attached. This update provides the correct values in the column labeled ‘Total Activity, as of June 30, 2003.’

In addition, the Department of Energy (DOE) has identified one other item to be reported as a non-significant change for the 2003 Report, in the Passive Institutional Controls (PIC) program. As part of the Compliance Certification Application (CCA), in Chapter 7 and Appendix PIC, DOE identified specific activities that would be performed as part of the Passive Institutional Controls program. One of the activities, “establish an archival filing system” was listed for completion during 2003. Due to the changes in the PICs program, DOE has elected to pursue this activity in the later phase of the operational period (2012-2015). We do not consider this to be a significant change, as the delay of this activity does not change DOE’s commitment to complete this activity prior to closure.

If you have any questions related to this report, please contact Mr. Russell Patterson at (505) 234-7457.

Sincerely,

Dr. Inés R. Triay  
Manager

Enclosure



Mr. Frank Marcinowski

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DEC 1 2003

cc: w/enclosure  
H. Johnson, CBFO  
R. Patterson, CBFO  
B. Fornash, EPA  
C. Byrum, EPA  
R. Lee, EPA  
N. Stone, EPA  
S. Zappe, NMED  
M. Silva, EEG  
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Table 4: Summary of Waste Emplacement Inventory as of June 30, 2003

Summary of Waste Emplacement Inventory				
TRU Waste Inventory (Cubic Meters)				
	Reporting Period <sup>1</sup> Emplaced Container Volume	Cumulative Emplaced Container Volume	Maximum Emplacement Limit	Percent of Limit Emplaced
CH TRU	5,494	12,953	175,600	7.38%
Waste Components Inventory (Kilograms)				
	Reporting Period <sup>1</sup> Emplaced Mass	Cumulative Emplaced Mass	Maximum Emplacement Limiting Value <sup>2</sup>	Percent of Limiting Value <sup>2</sup> Emplaced
Cellulosics, Plastics, Rubber Materials <sup>3</sup>	403,893	1,299,931	20,000,000	6.50%
	Reporting Period <sup>1</sup> Emplaced Weight	Cumulative Emplaced Weight	Minimum Emplacement Limiting Value <sup>2</sup>	Percent of Limiting Value <sup>2</sup> Emplaced
Fe-Metals <sup>4</sup>	1,626,566	4,023,684	20,000,000	20.12%
Non-Fe Metals	60,274	88,585	2,000	4429.25%
Residual Liquids	Liquid waste is prohibited at WIPP. The total residual liquid in any payload container shall not exceed 1 percent by volume of that payload container.			

Radiological Activity Inventory (curies)			
Radionuclide	Cumulative Activity in FY 2002 Annual Change Report	Reporting Period Activity	Total Activity as of June 30, 2003
<sup>227</sup> Ac	3.6430E-04	1.8561E-03	2.2204E-03
<sup>241</sup> Am	1.1612E+05	6.1822E+03	1.2230E+05
<sup>243</sup> Am	4.6693E-03	4.5485E-01	4.5952E-01
<sup>60</sup> Co	3.4700E-07	2.5024E-05	2.5371E-05
<sup>40</sup> K	2.4657E-05	4.3406E-05	6.8063E-05
<sup>22</sup> Na	5.3430E-06	3.1593E-02	3.1598E-02
<sup>237</sup> Np	3.9646E-01	5.6382E-02	4.5284E-01
<sup>231</sup> Pa	5.0402E-04	6.6244E-03	7.1284E-03
<sup>238</sup> Pu	5.5253E+03	1.2659E+03	6.7912E+03
<sup>239</sup> Pu	1.3434E+05	2.8822E+04	1.6316E+05
<sup>240</sup> Pu	3.0255E+04	6.6154E+03	3.6870E+04
<sup>241</sup> Pu	4.2491E+05	9.8134E+04	5.2304E+05
<sup>242</sup> Pu	2.8772E+00	7.8342E-01	3.6606E+00
<sup>226</sup> Ra	7.8785E-06	1.2920E-07	8.0077E-06
<sup>230</sup> Th	2.4100E-05	9.3810E-02	9.3834E-02
<sup>232</sup> Th	2.6070E-06	4.2251E-05	4.4858E-05
<sup>233</sup> U	2.4451E-01	1.8188E-01	4.2639E-01
<sup>234</sup> U	1.1730E+00	1.2195E+00	2.3925E+00
<sup>235</sup> U	1.1625E-01	2.5553E-02	1.4180E-01
<sup>238</sup> U	6.1287E+00	1.8713E+00	8.0000E+00
<sup>90</sup> Sr	0.0000E+00	7.5317E-01	7.5317E-01
<sup>137</sup> Cs	3.2122E-04	6.1582E-01	6.1614E-01
<b>Totals</b>	<b>7.1116E+05</b>	<b>1.4103E+05</b>	<b>8.5219E+05</b>

Report generated on 6/30/2003
1. Reporting Period includes emplacement that occurred between 9-16-2002 and 6-30-2003
2. Limiting Value--Values from Docket A-93-02, II-B-2, CARD 24 These values are based on inventory assumptions and are not limited by the Land Withdrawal Act. These values are expected to change as inventory destined for WIPP changes.
3. Cellulosics, Plastics, Rubber Materials (CPR) includes liners in total for plastics
4. Fe-Metals includes containers in total.