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*EES-12, Carlsbad Operations,
Earth and Environmental Sciences Division*

Symbol: EES-12:05:126

Date: April 13, 2005

Ms. Janis Trone, Carlsbad Programs Group
Sandia National Laboratories
4100 National Parks Highway, MS 300
Carlsbad, NM 88220

**Subject: Waste Material Densities in TRU Waste Streams from TWBID Revision 2.1
Version 3.13, Data Version D.4.15**

Dear Ms. Trone,

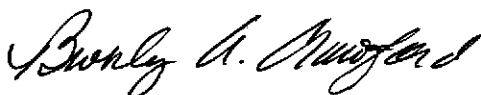
Per your request made via telecom on April 13, 2005, Los Alamos National Laboratory – Carlsbad Operations (LANL-CO) has provided the units and corresponding data for the following from TWBID Revision 2.1, Version 3.13, Data Version D.4.15. attached to this letter:

- Transuranic Waste Baseline Inventory Database (TWBID) Revision 2.1 Version 3.13, Data Version D.4.15 Table 3.2-21 (LANL 2004) that replaced the Transuranic Waste Baseline Inventory Report (TWBIR) Revision 3 (DOE 1996) Table 2-2 – WIPP CH-TRU Waste Material Parameter Disposal Inventory in the Compliance Recertification Application (CRA) – 2004 submitted to EPA in March 2004 (DOE 2004).
- TWBID Revision 2.1 Version 3.13, Data Version D.4.15 Table 3.2-22 (LANL 2004) that replaced the TWBIR Revision 3 (DOE 1996) Table 2-3 WIPP RH-TRU Waste Material Parameter Disposal Inventory in the CRA – 2004 submitted to EPA in March 2004 (DOE 2004).

Please find the tables included with this letter.

Please contact me at 628-1380 if you have any questions or concerns regarding this transmittal of information.

Sincerely,



Beverly A. Crawford, PhD.
Los Alamos National Laboratory
TRU Inventory Project Leader

TD 9/8/05RH
538492
LANL: 4.1.1. PA. QA-L: 525272
Information Only

Ms. Janis Trone
EES-12:05:126

-2-

April 13, 2005

Attachments: a/s

Cc: David Moody, LANL-CO
David Kessel, SNL
Christi Leigh, SNL
LANL-CO Correspondence File

References:

Department of Energy (DOE) 1996. *Transuranic Waste Baseline Inventory Report, Revision 3*, DOE/CAO-95-1121, June, 1995.

DOE 2004. *Title 40 CFR 191 Subparts B and C Compliance Recertification Application 2004*. DOE/WIPP-2004-3231, March, 2004.

LANL 2004. *Transuranic Waste Baseline Inventory Database Revision 2.1, Version 3.13, Data Version D.4.15*, ERMS #538367, Los Alamos National Laboratory, December 20, 2004.

Information Only

**Table 3.2-21: WIPP CH-TRU Waste Material
Parameter Disposal Inventory**

Information Only

Table 3.2-21. WIPP CH-TRU Waste Material Parameter Disposal Inventory
Units are in kg/m³

Material Parameter	Average
Iron-Base Metal/Alloys	1.1E+02
Aluminum-Base Metal/Alloys	1.4E+01
Other Metal/Alloys	3.2E+01
Other Inorganic Materials	4.0E+01
Cellulosics	6.0E+01
Rubber	1.3E+01
Plastics	4.3E+01
Solidified, Inorganic Matrix	1.1E+02
Cement (Solidified)	3.9E+01
Vitrified	5.8E+00
Solidified, Organic Matrix	3.3E+01
Soils	1.1E+02
Material Parameter	Average
Steel	1.7E+02
Plastic	1.7E+01
Lead	1.3E-02

**Table 3.2-2: WIPP RH-TRU Waste Material
Parameter Disposal Inventory**

Information Only

Table 3.2-22. WIPP RH-TRU Waste Material Parameter Disposal Inventory
 Units are in kg/m³

Material Parameter	Average
Iron-Base Metal/Alloys	5.9E+01
Aluminum-Base Metal/Alloys	5.0E+00
Other Metal/Alloys	5.7E+01
Other Inorganic Materials	1.6E+01
Cellulosics	9.3E+00
Rubber	6.7E+00
Plastics	8.0E+00
Solidified, Inorganic Matrix	6.2E+01
Cement (Solidified)	1.9E+00
Vitrified	1.2E-01
Solidified, Organic Matrix	8.3E-01
Soils	5.0E+01
Material Parameter	Average
Steel	5.4E+02
Plastic	3.1E+00
Lead	4.2E+02