S37966

Form SP 9-6-3
Inventory Data Change/Addition Control Form
Page 1 of 2

This form is used to document resolution of data discrepancies and acquisition of additional data for the Transuranic Waste Inventory Update Report, 2003.

1. This form documents: ☐ Additional Data Required ☒ Change to Existing Data
2. Date: November 4, 2004
3. Site: INEEL
4. Contact Name (include phone or email address as appropriate):

Tom Clements (tlc@inel.gov)

5. Identify Electronic File Names and Types (N/A if none received):

Email Attached: Subject: FW: TWBIR-Buried TRU Waste Estimate-Revision 1

6. Comments:

In April 2003 a judicial decision was made that allows all of INEEL's TRU waste to be shipped off site. Pre-1970 TRU waste buried at INEEL falls into this category.

7. Discrepancy Resolution:

Originally, this waste was placed in the Non-WIPP waste profiles and now must be moved to the WIPP profiles and additional information added.

8. Changes/Additional Data Requested:

5 pl 11/30/04

IN-Z001 becomes 5 waste streams. IN-ICP-002, IN-ICP-003, IN-ICP-004, IN-ICP-005 plus the original IN-Z001 which will still contain undefined sludge (see attached waste profiles)

11/30/04
LANL 1.13.2; T.D. QA-L; INEEL

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9. Date Requested: N/A

10. Changes/Additional Data Received:

The buried waste stream from INEEL, IN-Z001 has been split into five separate waste streams.

IN-ICP-002 - Idaho Completion Project (ICP) Inorganic Sludge

IN-ICP-003 - ICP Organic Sludge

IN-ICP-004 - ICP Graphite

IN-ICP-005 - ICP Filters

IN-Z001 - ICP *undefined sludge*

The radionuclides that were submitted for the 2003 Update will be used for these waste streams.

Plastics will include a drum liner and a plastic transfer bag. (Phone conversation with Tom Clements 11/3/04)

11. Date Received: November 4, 2004

Data Collection/Entry Personnel

Sheila A. Lott	Sheila A. Lott	11/05/04
Print Name	Signature	Date

Inventory Team Lead (for concurrence on resolution)

Beverly A. Crawford	Beverly A. Crawford	11/5/04
Print Name	Signature	Date

X-Sender: slott@ees-mail.lanl.gov
X-Mailer: QUALCOMM Windows Eudora Version 5.0
Date: Fri, 12 Nov 2004 13:27:26 -0700
To: sparkie@lanl.gov
From: Sheila Lott <slott@lanl.gov>
Subject: Fwd: FW: TWBIR- Buried TRU Waste Estimate-Revision 1
X-PMX-Version: 4.7.0.111621

LSparks 11/12/04

Laurie,
This email was inadverently omitted from the record that goes with the INEEL Pre-1970 waste streams. Would you please sign it and add it to the INEEL record.

Thanks,
Sheila

Subject: FW: TWBIR- Buried TRU Waste Estimate-Revision 1
Date: Thu, 4 Nov 2004 13:01:28 -0700
X-MS-Has-Attach:
X-MS-TNEF-Correlator:
Thread-Topic: TWBIR- Buried TRU Waste Estimate-Revision 1
Thread-Index: AcTCAw+EyEupFXJMTkWT10l+vQYGAgApMxnw
From: "Perry, Jeffrey N" <perryjn@id.doe.gov>
To: <slott@lanl.gov>, <crawford@lanl.gov>
Cc: "Clements, Thomas L" <TLC@id.doe.gov>,
"O'Neill, Kevin C" <oneillkc@id.doe.gov>
X-Proofpoint-Spam: 0
X-PMX-Version: 4.7.0.111621
X-MIME-Autoconverted: from quoted-printable to 8bit by ees-mail.lanl.gov id iA4K2GD7023959

Sheila and Beverly,

This should contain the information that you need regarding the estimated waste volumes destined for WIPP. These waste volumes assume a retrieval area of 4.5 acres of buried waste exhumed and specifically retrieving only the targeted waste streams identified below. At present, DOE does not have a final agreement with the State of Idaho and these numbers are subject to change. This acreage represents what we believe to be the most likely outcome of future negotiations with the State.

If you have any questions, please give me a call at (208) 526-4570.

Thanks,

Jeff

> -----Original Message-----
> From: Clements, Thomas L
> Sent: Wednesday, November 03, 2004 5:12 PM
> To: Perry, Jeffrey N
> Cc: Van Haaften, David H; Bryan, Jeffrey D; Wells, Jerry L; O'Neill, Kevin C; Webber, Frank L
> Subject: TWBIR- Buried TRU Waste Estimate-Revision 1
>

>
> Jeff:
>
> As I mentioned a few weeks ago, WIPP (Sheila Lott) had contacted me about the INEEL inventory for buried TRU waste reflected in waste stream IN-Z001. In January 2004, we responded to an inventory update. In that response, the previous estimates of 55,800m3 of buried TRU was reflected as destined for disposal at WIPP.
>
> What has transpired is that the volume of 55,800m3 would push WIPP past its disposal volume authorized under the Land Withdrawal Act. What was requested was a reassessment to determine if the volume could be reduced to something that would fall within the LWA authorized volume. My understanding from Sheila is that the data is supporting the EPA recertification efforts.
>
> An evaluation has been completed to provide an improved estimate of the volume of buried TRU waste that would require disposal at WIPP based on a targeted waste retrieval approach. This estimate was based on using the SDA areas delineated in the DOE Request for Proposal for the Idaho Completion Project for targeted waste retrieval. In summary, a map of these seven areas was generated, GIS used to identify disposals within each retrieval area (which included a buffer area), and then the WILD system used to identify the specific waste types and volumes associated with each disposal.
>
> The data from WILD was used to determine estimates of the targeted waste forms, including a portion of the waste in the buffer zone, and then the volume of the waste doubled to account for intermixed soil and other waste that might get mixed in during retrieval.
>
> In summary, the total estimated volume of buried TRU waste for disposition at WIPP, based on the ICP-RFP and the approach summarized above, can be reduced from 55,800m3 to approximately 12, 243 m3 as unpackaged waste volume. Assuming packaging in 55-gallon drums with 5 cubic feet per drum, this volume in the final packaged form increases to 17,997m3. This breaks down to:
>
> - Inorganic Sludge (741 and 742 series): 5652 m3 (raw waste) or 8308m3 (packaged volume);
> - Organic Sludge (743 series): 2383 m3 (raw waste) or 3503 m3 (packaged volume);
> - Graphite: 491 m3 (raw waste) or 722 m3 (packaged volume);
> - Filters: 3278 m3 (raw waste) or 4819 m3 (packaged volume);
> - Other Sludge (undefined): 439 m3 (raw waste) or 645 m3 (packaged volume).
>
> The volume reported above excludes the roaster oxide, which is D38 and not expected to be TRU waste.
>
> Please forward this information on to Sheila Lott at WIPP at: slott@lanl.gov and Beverly Crawford at: crawford@lanl.gov
>
> Thanks for your assistance Jeff.
>

Subject: TWBIR- Buried TRU [PMX:#]
To: slott@lanl.gov, crawford@lanl.gov
X-Mailer: Lotus Notes Release 5.0.8 June 18, 2001
From: TLC@inel.gov
Date: Fri, 19 Nov 2004 16:54:47 -0700
X-MIMETrack: Serialize by Router on LNMAIL03/ENT/INEEL/US(652HF552|November 03, 2004) at
11/19/2004 04:55:00 PM
X-Proofpoint-Spam: 0
X-Perlmx-Spam: Gauge=XXXXXIIIIII, Probability=56%, Report="BASE64_ENC_TEXT, HTML_FONT_COLOR_MAGENTA, NO_REAL_NAME, SPAM_PHRASE_00_01, WEB_BUGS, __HAS_X_MAILER"
X-PMX-Version: 4.7.0.111621

here it is again. didn't get all of Bev's address.
----- Forwarded by Thomas L Clements/TLC/CC01/INEEL/US on 11/19/2004 04:54 PM -----

Thomas L Clements 11/19/2004 04:48 PM
To: slott@lanl.gov, crawford@lanl.go
cc: CENTRAL CHARACTERIZATION PROJECT FOR TRU WASTE DISPOSITION/SP4/CC01/INEEL/US@INEL, Jeffrey N Perry@Exchange
Fax to:
Subject: Assay Year

Sheila,

This email details our conversations regarding the waste streams coming
from the pre-1970 buried waste stream, IN-Z001, which resulted in five
waste streams. This summary includes all the changes we discussed.

The following applies to all of the waste streams:
• Alll waste is considered CH TRU waste for the pre-1970 waste that is being retrieved for the Idaho Completion Project.
• Use volumes reported by Jeff Perrry on November 4, 2004, for the five waste streams. (All containers are 55-gallon drums.)
• Alll radionuclides assigned to the waste streams are the same as reported for the IN-Z001 in the submittal for the 2003 update.
• Standard packaging materiials for 55-gallon drums will be used (i.e., 131 kg/m3 steel packaging materials and 37 kg/m3 for plastic packaging materials.)
• The inventory daate is 11/5/2004.
• The assay year is 1970 ((per data submittal dated May 1, 2003, â€œFor
performance assessment purposes, it is suggested that decay be initiated on
January 1, 1970.â€□
• Thhe inventory final form is projected to be processed in the

years
from 2003 to 2012.

For the individual waste streams, the following should be used:
â€¢ IN-Z001 contains 3,301 drums of undefined sludge, with the soil density as reported from IN-GEM-01. No other waste material parameters are
known at this time; therefore, the waste is an unknown final waste form
with the waste matrix code of U9999. The source of this waste stream is
INEEL Pit 1, 2, 4, 5, 6, 9, and 10.
• IN-Z002/IN-ICP-002 contains 39,943 drums of inorganic sludge (741 and 742 series), with the soil density as reported from IN-GEM-01. As we
discussed, the remaining waste material parameters should be assigned as
reported in IN-W228.101, a solidified inorganic sludge given lack of other specific data for pre-1970 disposed
inorganic sludge. The final waste form will be unknown homogeneous solids with the EPA codes of
D004, D005, D006, D007, D008, D009, D010, D011, D018, F001-F007, F009. This waste stream should have a waste matrix code of S3900. PCBs
are present in unknown concentrations. The source of this waste stream is
INEEL Pit 1, 2, 4, 5, 6, 9, and 10.
• IN--Z003/IN-ICP-003 contains 16,842 drums of organic sludge. It is understood
that WIPP used the RFETS TWBIR stream: RF-MT-0801 to provide a basis for waste material parameter
weights due to lack of other information specific to the pre-1970 disposed organic sludge.
The soil density that was used is as reported from IN-GEM-01. The final waste form is unknown other
homogeneous solids with a waste matrix code of S3900. EPA codes are D004,
D005, D006, D007, D008, D009, D010, D011, D018, F001-F007, F009. PCBs are
present in unknown concentrations. The source of this waste stream is Pit
1, 2, 4, 5, 6, 9, and 10.
• IN-Z004/IN-ICP-004 contains 3,472 drums of graphite waste based on

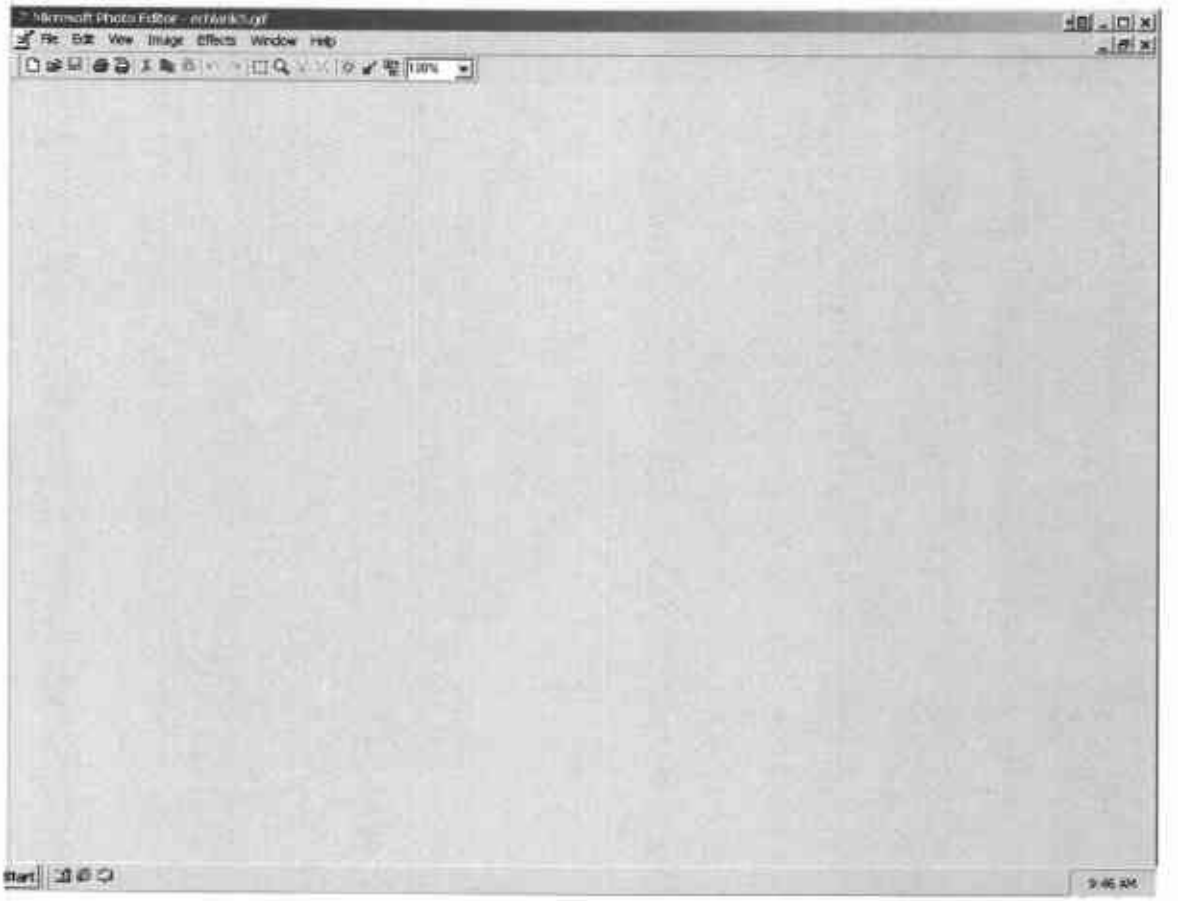
IN-GEM-01, a graphite-containing waste stream. The final waste form is
heterogeneous debris with a waste matrix code of S5400. PCBs are present
in unknown concentrations. The source of this waste stream is Pit 1, 2, 4,
5, 6, 9, and 10. EPA codes are D004, D005, D006, D007, D008, D009, D010,
D011, D018, F001-F007, F009.

• IN-Z005/IN-ICP-005 contains 23,169 drums of fiilter waste. The basis for the waste material parameters was IN-W211.001, a filter debris waste stream due to lack of other information specific to the pre-1970 disposed filters. The density of the soil in this waste stream is based on the IN-GEM-01 waste stream. The final waste form is heterogeneous debris with a waste matrix code of S5400. The source of this waste stream is Pit 1, 2, 4, 5, 6, 9, and 10. EPA codes are D004, D005, D006, D007, D008, D009, D010, D011, D018, F001-F007, F009.

At this point, this is the best information and/or estimates that can be made with the time available. If you have questions, call me at 208-526-0664.

Tom

 ecblank5.gif



TWBIR ID: IN-Z001

Annex I
TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID:	NA	Handling:	CH	NMVP #:	NA	Stream Name:	Idaho Completion Project – Undefined Sludge	Inventory Date:	11/05/04 ~~9/30/03~~
Local ID:	NA	Type:	TRU	Generator Site:	IN	Final Waste Form:	Unknown	Waste Matrix Code:	U9999	TRUCON Code:	

AS-GENERATED EPA CODES

Unknown

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	--		
Aluminum-base Metal/Alloys:	--		
Other Metals/Alloys:	--		
Other Inorganic Material:	--		
Cellulosics:	--		
Rubber:	--		
Plastics:	--		
Solidified, Inorganic Matrix:	--		
Vitrified	--		
Cement (solidified):	--		
Solidified Organic Material:	--		
Soils:	947.7		
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		

FINAL WASTE FORM DESCRIPTORS

Defense:	Defense TRU waste
Residues:	NO
Asbestos:	Unknown
PCBs:	Unknown
Source:	INEEL PIT 1, 2, 4, 5,6, 9, and 10

SITE IDCs

FINAL FORM RADIOINUCLIDES

Isotope	Activity (Ci/m³)
Am-241	3.28E+00
Am-243	2.40E-03
Np-237	4.73E-05
Pu-238	3.06E-01
Pu-239	1.16E+00
Pu-240	3.06E-01
U-233	2.71E-05
U-234	1.21E-03
U-235	9.93E-05
U236	5.13E-05
U-238	2.10E-03

WASTE VOLUME DETAIL (cu. Meters)

As-Generated Waste Form Volumes

Container	Stored	95-97	98-02	03-12	13-22	Totals
Pit	439 ~~439~~					439

Final Waste Form Volumes

Container	Stored	95-97	98-02	03-12	Totals
55-gal drum	~~645~~			645	645

As-Generated Form:	Stored:	439 ~~439~~	Projected:		Total	439	Final Waste Form:	Stored	~~645~~	Projected:	645	Total:	645

WASTE STREAM DESCRIPTION: Pre-1970 buried waste retrieved for the Idaho Completion Project .

WASTE STREAM SOURCE DESCRIPTION:

CURRENT CONTAINER COMMENTS: 3,101 drums in final form

Blank Waste Stream Profile Form

Management Comments- Soils have been added to this waste stream, but the other waste material parameters are unknown at this time. Radionuclides provided from IN-Z001 as reported for the 2003 inventory update.

The waste will be placed into 55-gallon drum liners and filled with approximately .142 m^3 (5 ft^3) of waste. The liner will then be placed into plastic transfer bags that will go into the 55-gallon drum.

TWBIR ID: ~~IN-Z002~~ IN-ICP-002 pl 11/5/04

Annex J
TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID:	NA	Handling:	CH	NMVP #:	NA	Stream Name:	Idaho Completion Project – Inorganic Sludge (7412 and 742 series)			Inventory Date:	11/05/04 ~~9/30/03~~
Local ID:	NA	Type:	MTRU	Generator Site:	IN	Final Waste Form:	~~Soils~~Unknown/Other Homogeneous Solids	Waste Matrix Code:	~~S4000~~ S3900	TRUCON Code:	

AS-GENERATED EPA CODES

D004, D005, D006, D007, D008, D009, D010, D011, D018, ~~D022, D028, F001, F002, F003~~ F001-F007, F009

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	--		
Aluminum-base Metal/Alloys:	--		
Other Metals/Alloys:	--		
Other Inorganic Material:	14.49		
Cellulosics:	--		
Rubber:	--		
Plastics:	1.99		
Solidified, Inorganic Matrix:	127.17		
Vitrified	--		
Cement (solidified):	--		
Solidified Organic Material:	--		
Soils:	947.7		
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		

FINAL WASTE FORM DESCRIPTORS

Defense:	Defense TRU waste
Residues:	NO
Asbestos:	NO
PCBs:	~~NO~~Yes-unknown concentrations
Source:	INEEL PIT ~~4~~ 1, 2, 4, 5, 6, 9, and 10

pl 12/1/04

SITE IDCs

FINAL FORM RADIOINUCLIDES

Isotope	Activity (Ci/m³)
Am-241	3.28E+00
Am-243	2.40E-03
Np-237	4.73E-05
Pu-238	3.06E-01
Pu-239	1.16E=00
Pu-240	3.06E-01
U-233	2.71E-05
U-234	1.21E-03
U-235	9.98E-05
U236	5.13E-05
U-238	2.10E-03

WASTE VOLUME DETAIL (cu. Meters)

As-Generated Waste Form Volumes

Container	Stored	95-97	98-02	03-12	13-22	Totals
Pit	5652					5652

Final Waste Form Volumes

Container	Stored	95-97	98-02	03-12	Totals
55-gal drum	~~8308~~			8308	8308

As-Generated Form: Stored: 5652 Projected: Total 5652 Final Waste Form: Stored ~~8308~~ Projected: 8308 Total: 8308

WASTE STREAM DESCRIPTION: Pre-1970 buried waste retrieved for the Idaho Completion Project.

WASTE STREAM SOURCE DESCRIPTION:

CURRENT CONTAINER COMMENTS: 39,943 drums in final form

pl 11/5/04

Blank Waste Stream Profile Form

Management Comments- Waste material parameters from IN-W228.101-solidified inorganic second stage sludge- with the addition of soil (50% by volume). Radionuclides provided from IN-Z001 as reported for the 2003 inventory update. Radionuclides provided from IN-Z001 as reported for the 2003 inventory update.

The waste will be placed into 55-gallon drum liners and filled with approximately .142 m^3 (5 ft^3) of waste. The liner will then be placed into plastic transfer bags that will go into the 55-gallon drum.

dl 11/5/04

TWBIR ID: ~~IN-Z003~~
IN-ICP-003
dl 11/5/04

Annex J
TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID:	NA	Handling:	CH	NMVP #:	NA	Stream Name:	Idaho Completion Project – Organic Sludge			Inventory Date:	11/05/04
Local ID:	NA	Type:	MTRU	Generator Site:	IN	Final Waste Form:	Unknown/Other ~~Homogeneous Solids Soil~~	Waste Matrix Code:	~~S4000~~S3900	TRUCON Code:	

AS-GENERATED EPA CODES

~~D005, D006, D007, D010, F001, F002~~
D004, D005, D006, D007, D008, D009, D010, D011, D018
F001-F007, F009

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	--		
Aluminum-base Metal/Alloys:	--		
Other Metals/Alloys:	--		
Other Inorganic Material:	--		
Cellulosics:	--		
Rubber:	--		
Plastics:	166.75		
Solidified, Inorganic Matrix:	955.49		
Vitrified	--		
Cement (solidified):	--		
Solidified Organic Material:	1032.33		
Soils:	947.7		
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		

FINAL WASTE FORM DESCRIPTORS

Defense:	Defense TRU waste
Residues:	NO
Asbestos:	NO
PCBs:	~~NO~~Yes-unknown concentration
Source:	INEEL PIT 1, 2, 4, 5, 6, 9, and 10 4

SITE IDCs

FINAL FORM RADIOINUCLIDES

Isotope	Activity (Ci/m³)
Am-241	3.28E+00
Am-243	2.40E-03
Np-237	4.73E-05
Pu-238	3.06E-01
Pu-239	1.16E+00
Pu-240	3.06E-01
U-233	2.71E-05
U-234	1.21E-03
U-235	9.93E-05
U236	5.13E-05
U-238	2.10E-03

WASTE VOLUME DETAIL (cu. Meters)

As-Generated Waste Form Volumes

Container	Stored	95-97	98-02	03-12	13-22	Totals
Pit	2383					2383

Final Waste Form Volumes

Container	Stored	95-97	98-02	03-12	Totals
55-gal drum	~~3503~~			3503	3503

As-Generated Form: Stored: 2383 Projected: Total 2383 Final Waste Form: Stored ~~3503~~ Projected: 3503 Total: 3503

WASTE STREAM DESCRIPTION: *Pre-1970 buried waste retrieved for the Idaho Completion Project .*

WASTE STREAM SOURCE DESCRIPTION:

CURRENT CONTAINER COMMENTS: 16,842 drums in final form –

dl 11/5/04

Blank Waste Stream Profile Form

Management Comments- Waste Material parameters are based on OASIS waste stream at RFETS – RF-MT0801; soils as reported in IN-GEM-01 and standard packaging materials with addition of soil (50%) by volume. Radionuclides provided from IN-Z001 as reported for the 2003 inventory update.

The waste will be placed into 55-gallon drum liners and filled with approximately .142 m^3 (5 ft^3) of waste. The liner will then be placed into plastic transfer bags that will go into the 55-gallon drum.

Page 2 of 7
11/5/02

TWBIR ID: ~~IN-Z004~~
IN-ICP-004
dl 11/5/04

Annex J
TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID:	NA	Handling:	CH	NMVP #:	NA	Stream Name:	Idaho Completion Project – Graphite			Inventory Date:	11/05/04 ~~9/30/03~~
Local ID:	NA	Type:	MTRU	Generator Site:	IN	Final Waste Form:	Heterogeneous Debris	Waste Matrix Code:	S54000	TRUCON Code:	

AS-GENERATED EPA CODES

D004, D005, D006, D007, D008, D009, D010, D011, D018, F001, F002, F003, F004, F005, F006, F007, F009

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	--		
Aluminum-base Metal/Alloys:	--		
Other Metals/Alloys:	--		
Other Inorganic Material:	59.40		
Cellulosics:	--		
Rubber:	--		
Plastics:	--		
Solidified, Inorganic Matrix:	97.88		
Vitrified	--		
Cement (solidified):	--		
Solidified Organic Material:	224.00		
Soils:	947.7		
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		

FINAL WASTE FORM DESCRIPTORS

Defense:	Defense TRU waste
Residues:	NO
Asbestos:	NO
PCBs:	Unknown
Source:	INEEL PIT 1,2, 4, 5, 6, 9, and 10-4

SITE IDCs

FINAL FORM RADIOINUCLIDES

Isotope	Activity (Ci/m³)
Am-241	3.28E+00
Am-243	2.40E-03
Np-237	4.73E-05
Pu-238	3.06E-01
Pu-239	1.16E+00
Pu-240	3.06E-01
U-233	2.71E-05
U-234	1.21E-03
U-235	9.93E-05
U236	5.13E-05
U-238	2.10E-03

WASTE VOLUME DETAIL (cu. Meters)

As-Generated Waste Form Volumes

Container	Stored	95-97	98-02	03-12	13-22	Totals
Pit	491					491

Final Waste Form Volumes

Container	Stored	95-97	98-02	03-12	Totals
55-gal drum	~~722~~			722	722

As-Generated Form: Stored: 491 Projected: Total 491 Final Waste Form: Stored ~~722~~ Projected: 722 Total: 722

WASTE STREAM DESCRIPTION: Pre-1970 buried waste retrieved for the Idaho Completion Project .

WASTE STREAM SOURCE DESCRIPTION:

CURRENT CONTAINER COMMENTS: 3472 drums in final form

dl 11/5/04

Blank Waste Stream Profile Form

Management Comments- Waste material parameters from IN-GEM-01-a graphite-containing waste stream with soils (50% by volume) and standard packaging added. Radionuclides provided from IN-Z001 as reported for the 2003 inventory update.

The waste will be placed into 55-gallon drum liners and filled with approximately .142 m^3 (5 ft^3) of waste. The liner will then be placed into plastic transfer bags that will go into the 55-gallon drum.

 pe 11/5/04

TWBIR ID: ~~IN-2005~~ ~~IN-INC~~ IN-ICP-005 al 11/5/04

Annex J
TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID:	NA	Handling:	CH	NMVP #:	NA	Stream Name:	Idaho Completion Project – Filters			Inventory Date:	11/05/04 ~~9/30/03~~
Local ID:	NA	Type:	TRU	Generator Site:	IN	Final Waste Form:	Heterogeneous Debris~~Filter~~	Waste Matrix Code:	S540010	TRUCON Code:	

AS-GENERATED EPA CODES

~~NA~~
D004, D005, D006, D007, D008, D009, D010, D011, D018, F001, F002, F003, F004, F005, F006, F007, F009

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.06		
Aluminum-base Metal/Alloys:	8.59		
Other Metals/Alloys:	0.42		
Other Inorganic Material:	22.28		
Cellulosics:	137.66		
Rubber:	0.08		
Plastics:	7.28		
Solidified, Inorganic Matrix:	--		
Vitrified	--		
Cement (solidified):	--		
Solidified Organic Material:	--		
Soils:	947.7		
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		

FINAL WASTE FORM DESCRIPTORS

Defense:	Defense TRU waste
Residues:	NO
Asbestos:	NO
PCBs:	NO
Source:	INEEL PIT 1, 2, 4 , 5, 6, 9 and 104

SITE IDCs

FINAL FORM RADIOINUCLIDES

Isotope	Activity (Ci/m³)
Am-241	3.28E+00
Am-243	2.40E-03
Np-237	4.73E-05
Pu-238	3.06E-01
Pu-239	1.16E+00
Pu-240	3.06E-01
U-233	2.71E-05
U-234	1.21E-03
U-235	9.93E-05
U236	5.13E-05
U-238	2.10E-03

WASTE VOLUME DETAIL (cu. Meters)

As-Generated Waste Form Volumes

Container	Stored	95-97	98-02	03-12	13-22	Totals
Pit	3273					3273

Final Waste Form Volumes

Container	Stored	95-97	98-02	03-12	Totals
55-gal drum	~~4819~~			4819	4819

As-Generated Form: Stored: 3273 Projected: Total 3273 Final Waste Form: Stored ~~4819~~ Projected: 4819 Total: 4819

WASTE STREAM DESCRIPTION: Pre-1970 buried waste retrieved for the Idaho Completion Project.

WASTE STREAM SOURCE DESCRIPTION:

CURRENT CONTAINER COMMENTS: 23,169 drums in final form

Blank Waste Stream Profile Form

al 11/5/04

Management Comments- Waste material parameters from filter debris waste stream that has been emplaced – IN-W211.001 with soils added from IN-GEM-01 (50% by volume). Radionuclides provided from IN-Z001 as reported for the 2003 inventory update.

The waste will be placed into 55-gallon drum liners and filled with approximately .142 m^3 (5 ft^3) of waste. The liner will then be placed into plastic transfer bags that will go into the 55-gallon drum.