

537921

Baseline Inventory Report (BIR) Change Report  
Data Collection and Entry

SP 9-6  
Revision 2  
Page 27 of 39

**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: 11/12/04

3. Site: LANL

4. Contact Name (include phone or email address as appropriate):

Stan Kosiewicz stan@lanl.gov

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

see attached email record

6. Comments:

Site identified volume discrepancy in the transmittal of the LA-TA-55-48 waste stream.

7. Discrepancy Resolution:

Per the attached email the volume and the radionuclide concentration for the site have been changed to the

values identified in the email attachment.

8. Changes/Additional Data Requested:

See above.

**INV-0607-01-50-73**

SNL REC ERMS# 537921

**INFORMATION ONLY**

LANL: 1.1.3.2: TD: QA-L: PKG 526504

---

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

---

9. Date Requested: 11/10/04

10. Changes/Additional Data Received:

see attached email.

---

---

---

---

---

---

---

---

11. Date Received: 11/10/04

Data Collection/Entry Personnel

Beverly Crawford  
Print Name

*Beverly A. Crawford*  
Signature

11/10/04  
Date

Inventory Team Lead (for concurrence on resolution)

Sheila Lott  
Print Name

*Sheila Lott*  
Signature

11-12-04  
Date

**INFORMATION ONLY**

X-Sender: crawford@ees-mail.lanl.gov  
X-Mailer: QUALCOMM Windows Eudora Version 6.1.2.0  
Date: Thu, 11 Nov 2004 05:27:04 -0700  
To: sparkie@lanl.gov  
From: Bev Crawford <crawford@lanl.gov>  
Subject: Fwd: Made an Error - LA-TA-55-48  
X-PMX-Version: 4.7.0.111621

*L Sparkie*  
*11/11/2004*

Laurie:

Please sign this email and submit as proof that the volume reported in the correction was in fact 2.72 based on the correction Stan notes here for the volume of an SWB.

Bev

X-Sender: stan@norris-mail.lanl.gov (Unverified)  
X-Mailer: QUALCOMM Windows Eudora Version 5.2.1  
Date: Wed, 10 Nov 2004 14:48:24 -0700  
To: crawford@lanl.gov  
From: Stan Kosiewicz <stan@lanl.gov>  
Subject: Made an Error - LA-TA-55-48  
Cc: stan Kosiewicz <stan@lanl.gov>  
X-PMX-Version: 4.7.0.111621

Bev,

Attached is a correction to my prior calculation for LA-TA-55-48. I incorrectly heard you say that an SWB had a volume of 0.89m3. Using the correct volume of 1.89m3 lowers the Ci/m3 by nearly 40%.

Stan

"When the time to perform arrives, the time to prepare is past." Unknown.

Stan Kosiewicz, Ph.D.  
stan@lanl.gov  
phone 505-665-9227  
FAX 505-667-2771  
Risk Reduction & Environmental Stewardship (RRES) Division  
Project 2010  
Certification (CE) Group  
Los Alamos National Lab



Documentation of LA-TA-55-48 TWBIR correction.doc

**INFORMATION ONLY**

**Memo to file**

**November 10, 2004**

**From: Stan Kosiewicz**

**RE: Correction to TWIBR on LA-TA-55-48**

An e-mail with an initial correction on LA-TA-55-48 was sent to Beverly Crawford ([crawford@lanl.gov](mailto:crawford@lanl.gov)) on 11/5/04 that had an error because a volume of 0.89m<sup>3</sup> was used for an SWB. The volume should have been 1.89m<sup>3</sup>. Consequently, the Ci/m<sup>3</sup> for waste stream LA-TA-55-48 will be lower than what was reported to Ms. Crawford on 11/5/04. The correct values are provided below.

This memo to file was sent to Ms. Crawford on 11/10/04.

**LA-TA-55-48 (11/10/2004)**

Stored volume: 2.72m<sup>3</sup>  
(four 55-gallon drums @ 0.208m<sup>3</sup> /drum, one SWB @ 1.89m<sup>3</sup>)

Projected volume:

<b>Isotope</b>	<b>Ci/m<sup>3</sup></b>	<b>Specific act used</b>	<b>Total g of isotope*</b>
Am241	5.99E-3	3.47 Ci/g	4.7E-3
Pu238	1.50E+1	17.3Ci/g	2.35
Pu239	8.85E-3	0.063 Ci/g	3.8E-1
Pu240	4.44E-3	0.2 Ci/g	5.25E-2
Pu241	3.43E-1	104 Ci/g	8.98E-3
Pu242	3.62E-6	0.0004 Ci/g	2.48E-3

\*Obtained from CONCERT AK database.

Procedure:

1. Multiply total grams of isotope by its specific activity to obtain total Ci.
2. Divide Ci by waste stream volume (2.72m<sup>3</sup>) to obtain Ci/m<sup>3</sup>.

**INFORMATION ONLY**



LA-TA-66-48 TWBIR Nov 5 04. doc

Page 2 of 2  
BAC  
11/5/04

LA-TA-55-48 (11/05/2004)

Stored volume: 2.72  
1.72m3  
Projected volume: BAC  
11/5/04

Concentrations in Ci/m3

Am241	0.948E-2
Pu238	2.37E+1
Pu239	1.40E-2
Pu240	0.703E-2
Pu241	5.43E-1
Pu242	5.73E-6

INFORMATION ONLY