

LA-UR-12-00746

Approved for public release;  
distribution is unlimited.

<i>Title:</i>	2011 LANL Biennial Hazardous Waste Report
<i>Author(s):</i>	Gregory S. Erpenbeck
<i>Intended for:</i>	Environmental Protection Agency via. New Mexico Environment Department (NMED) to meet Environmental Compliance reporting requirement 40 CFR 262.41, 264.75, 265.75, & 270.30(i)(9)



Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by the Los Alamos National Security, LLC for the National Nuclear Security Administration of the U.S. Department of Energy under contract DE-AC52-06NA25396. By acceptance of this article, the publisher recognizes that the U.S. Government retains a nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.



*Environmental Protection Division  
Water Quality & RCRA Group (ENV-RCRA)*  
P.O. Box 1663, M704  
Los Alamos, New Mexico 87545  
(505) 667-0666/FAX (505) 667-5224

*National Nuclear Security Administration  
Los Alamos Site Office, A316*  
3747 West Jemez Road  
Los Alamos, New Mexico 87545  
(505) 667-5794/FAX (505) 667-5948

Date: February 27, 2012  
Refer To: ENV-RCRA-12-0049  
LAUR: 12-00746

Mr. John E. Kieling, Acting Chief  
Hazardous Waste Bureau  
State of New Mexico Environment Department  
2905 Rodeo Park Drive East, Bldg. 1  
Santa Fe, NM 87505-6303

Dear Mr. Kieling:

**SUBJECT: 2011 BIENNIAL HAZARDOUS WASTE REPORT**

The purpose of this letter is to transmit a copy of the 2011 Biennial Hazardous Waste Report developed by the National Nuclear Security Administration and Los Alamos National Security, LLC (NNSA/LANS) for the Los Alamos National Laboratory (LANL). The Resource Conservation and Recovery Act (RCRA) and 20 NMAC 4.1 require that generators of hazardous waste submit a report identifying hazardous (and mixed) waste generated, treated, and shipped off-site during the previous year. This report details generation, treatment, and shipments for calendar year 2011.

The Laboratory generates, stores, and treats hazardous waste on-site; however, all hazardous waste is disposed of off-site. Over 10,000 records of transactions were reviewed in development of the enclosed report. This information was then compiled into the appropriate HWR forms, and loaded into the 2011 Biennial Reporting System (BRS) Software. This year's report has 360 Waste Generation and Management (GM) forms (EPA Form 8700-13A).

Per the instruction of the 2011 Hazardous Waste Report (page 35, paragraph 10) hazardous wastewaters received by the Radioactive Liquid Waste Treatment Facility (RLWTF) are exempt from reporting on the Biennial report. However, hazardous and mixed wastes generated by the RLWTF are sent to TA-54, and then are disposed at an offsite facility, and are included in this report.

In 2011, NNSA/LANS generated a little more than 145,870 kilograms of RCRA hazardous waste. About 239,606 kg was shipped off-site, 107,086 kg of which was mixed transuranic waste sent to the Waste Isolation Pilot Plant (WIPP).

NNSA/LANS also has an additional off-site hazardous waste generation facility with Environmental Protection Agency ID #NMD986676807. This facility did not generate any hazardous waste in calendar year 2011, and per the instructions provided to NNSA/LANS by NMED, it is not a requirement to submit a biennial report for this facility. These instructions are on page 4 and 5 of the 2011 Hazardous Waste Report Instructions and Forms. However, EPA Form 8700-12, Notification of Regulated Waste Activity is being submitted with this report, as requested by NMED's letter "EPA Biennial Hazardous Waste Report (Biennial Reporting System (BRS))" dated January 13, 2012.

In 2011, the Biennial Report submission includes a field to identify whether or not a specific waste stream has been looked at for waste minimization opportunities. This field is checked when LANL has tracked waste minimization efforts at the profile level, but LANL's Waste Minimization program is fully documented in the attached "U.S. Department of Energy and Los Alamos National Security, LLC Hazardous Waste Minimization Report", dated November 2011. NMED has already received a copy of this report (in November 2011), and we include it here to meet the requirements of 40 CFR Part 262.41(6) and (7).

As required by the NMED and the Environmental Protection Agency (EPA), NNSA/LANS used the BRS software supplied by the NMED from the Florida Department of Environmental Protection. This software generated:


- the Form SI, *RCRA Subtitle C Site Identification Form*. This form contains general information identifying the LANL facility (EPA ID # NM0890010515),
- the Form GM, *Waste Generation and Management*. This form describes LANL RCRA hazardous waste streams and the off-site commercial treatment, storage, disposal facilities which accepted each hazardous waste and the amount shipped in 2011, as well as waste treatment that occurred on-site,
- the Form OI, *Off-Site Identification*. Lists all commercial transporters and treatment, storage and disposal facilities which accepted NNSA/LANS generated hazardous waste,
- the Form 8700-12, Notification of Regulated Waste Activity - *RCRA Subtitle C Site Identification Form*. This form contains general information identifying the facility at Fenton Hill (EPA ID # NMD986676807 – The Fenton Hill Site),
- a compact disk (CD) generated by the NMED provided software and labeled as LANL's submission disk. This disk also contains the pdf version of the "U.S. Department of Energy and Los Alamos National Security, LLC Hazardous Waste Minimization Report", dated November 2011.

There are no cumulative inventory record keeping requirements for storing hazardous or mixed wastes at satellite or less-than-90-day accumulation areas. However, when such wastes are transported to TA-54 for treatment or storage or to an off-site TSD, the associated data is entered into the database, which is the principal source of information for these wastes. The data presented in this report may include information on hazardous and mixed waste accumulated before 2011, but not managed at TA-54 until 2011.

The NMED has asked NNSA/LANS to use the BRS software from The Florida Department of Environmental Protection. The enclosed CD contains the BRS database that produced the 2011 Hazardous Waste Report for LANL. This database generates the forms mentioned above (SI, GM, and OI).

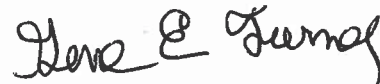
A certification statement signed by NNSA/LANS is also included in these documents. If you have any questions regarding the contents of this report, please contact Anthony R. Grieggs at 667-0666.

Sincerely,



Anthony R. Grieggs  
Group Leader  
Water Quality & RCRA Group  
Los Alamos National Laboratory

Sincerely,



Gene E. Turner  
Environmental Permitting Manager  
Environmental Projects Office  
Department of Energy  
Los Alamos Site Office

ARG:GET:GE/lm

Enclosure: a/s

Cy: Gene Turner, LASO-EO, w/enc., A316, (E-file)  
Carl A. Beard, PADOPS, w/o enc., A102  
Michael T. Brandt, ADESH, w/o enc., K491  
Alison M. Dorries, ENV-DO, w/o enc., K491  
Scotty W. Jones, ENV-DO, w/o enc., K91, (E-File)  
Greg Erpenbeck, ENV-RCRA, w/o enc., M704, (E-File)  
ENV-RCRA File, w/enc., M704  
IRM-RMMSO, w/enc., A150, (E-File)



COPY



Environmental Protection Division
Water Quality & RCRA Group (ENV-RCRA)
P.O. Box 1663, M704
Los Alamos, New Mexico 87545
(505) 667-0666/FAX (505) 667-5224

National Nuclear Security Administration
Los Alamos Site Office, A316
3747 West Jemez Road
Los Alamos, New Mexico 87545
(505) 667-5794/FAX (505) 667-5948

Date: February 27, 2012
Refer To: ENV-RCRA-12-0049
LAUR: 12-00746

Mr. John E. Kieling, Acting Chief
Hazardous Waste Bureau
State of New Mexico Environment Department
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505-6303



Dear Mr. Kieling:

SUBJECT: 2011 BIENNIAL HAZARDOUS WASTE REPORT

The purpose of this letter is to transmit a copy of the 2011 Biennial Hazardous Waste Report developed by the

PS Form 3811, February 2004 Domestic Return Receipt. Includes sections for SENDER (complete this section) and COMPLETE THIS SECTION ON DELIVERY. Contains fields for signature, name, date, and service type.

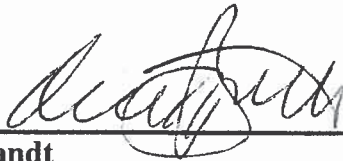
LLC (NNSA/LANS) for the Los Alamos Site Office, A316... RCRA) and 20 NMAC... hazardous (and mixed) waste... details generation, treatment, and... all hazardous waste is disposed of... the enclosed report. This... into the 2011 Biennial Reporting... management (GM) forms (EPA Form... (0) hazardous wastewaters... exempt from reporting on the... TF are sent to TA-54, and then... A hazardous waste. About... waste sent to the Waste Isolation

257,000 kg was shipped... 107,000 kg of which was... Pilot Plant (WIPP).

**Page intentionally left blank**

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

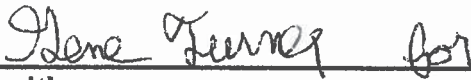


2/27/12

---

**Michael T. Brandt**  
Acting Associate Director  
Environment, Safety, Health  
Los Alamos National Laboratory  
Operator

Date Signed



2/27/12


---

**Kevin Smith**  
Manager, Los Alamos Site Office  
National Nuclear Security Administration  
U.S. Department of Energy  
Owner/Operator

Date Signed

**Page intentionally left blank**



<b>SEND THE COMPLETED FORM TO:</b> The Appropriate State or Regional Office	<b>United States Environmental Protection Agency</b> <b>RCRA SUBTITLE C SITE IDENTIFICATION FORM</b>		
<b>1. Reason for Submittal</b>  MARK ALL BOX(ES) THAT APPLY	<b>Reason for Submittal:</b> <input type="checkbox"/> To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities). <input checked="" type="checkbox"/> To provide subsequent notification (to update site identification information). <input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application. <input type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____). <input checked="" type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below) <input checked="" type="checkbox"/> Site was a TSD facility and/or generator of >1,000 kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)		
<b>2. Site EPA ID Number</b>	<b>EPA ID Number:</b> NM0890010515		
<b>3. Site Name</b>	<b>Name:</b> LOS ALAMOS NATIONAL LABORATORY		
<b>4. Site Location Information</b>	<b>Street Address:</b> BIKINI ATOLL ROAD, SM-30		
	<b>City, Town, or Village:</b> LOS ALAMOS	<b>County:</b> LOS ALAMOS	
	<b>State:</b> NM	<b>Country:</b> US	<b>Zip Code:</b> 87545-
<b>5. Site Land Type</b>	<input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
<b>6. NAICS Code(s) for the Site (at least 5-digit codes)</b>	<b>A.</b> 92811		<b>B.</b> 56221
	<b>C.</b> 54171		<b>D.</b> 562212
<b>7. Site Mailing Address</b>	<b>Street or P.O. Box:</b> 3747 WEST JEMEZ ROAD		
	<b>City, Town, or Village:</b> LOS ALAMOS		
	<b>State:</b> NM	<b>Country:</b> US	<b>Zip Code:</b> 87544-
<b>8. Site Contact Person</b>	<b>First Name:</b> KEVIN		<b>MI:</b> W
	<b>Last:</b> SMITH		
	<b>Title:</b> MANAGER, LASO, DOE, NNSA		
	<b>Street or P.O. Box:</b> PO BOX 1663		
	<b>City, Town, or Village:</b> LOS ALAMOS		
	<b>State:</b> NM	<b>Country:</b> US	<b>Zip Code:</b> 87545-
	<b>Email:</b> ksmith2@doeal.gov		
<b>9. Legal Owner and Operator of the Site</b>	<b>A. Name of Site's Legal Owner:</b> UNITED STATES DEPARTMENT OF		<b>Date Became Owner:</b> 01/01/1943
	<b>Owner Type:</b> <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
	<b>Street or P.O. Box:</b> 3747 WEST JEMEZ ROAD		
	<b>City, Town, or Village:</b> LOS ALAMOS		<b>Phone:</b> (505) 667-6691
	<b>State:</b> NM	<b>Country:</b> US	<b>Zip Code:</b> 87544-
	<b>B. Name of Site's Operator:</b> LOS ALAMOS NATIONAL SECURITY, LLC		<b>Date Became Operator:</b> 06/01/2006
	<b>Operator Type:</b> <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		

**10. Type of Regulated Waste Activity (at your site)**

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

**A. Hazardous Waste Activities; Complete all parts for Items 1 through 7.**

Y  N  **1. Generator of Hazardous Waste**

If "Yes" mark only one of the following - a, b, or c.

a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.

b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs.) of non-acute hazardous waste

c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste

If "Yes" above, indicate other generator activities.

Y  N  d. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.

Y  N  e. United States Importer of Hazardous Waste

Y  N  f. Mixed Waste (hazardous and radioactive) Generator

Y  N  **2. Transporter of Hazardous Waste**  
If "Yes", mark all that apply.

Transporter  
 Transfer Facility

Y  N  **3. Treater, Storer, or Disposer of Hazardous Waste (at your site)** **Note:**  
A hazardous waste permit is required for these activities

Y  N  **4. Recycler of Hazardous Waste (at your site)**  
Note: A hazardous waste permit may be required for this activity.

Y  N  **5. Exempt Boiler and/or Industrial Furnace**

a. Small Quantity On-site Burner Exemption  
 b. Smelting, Melting, Refining Furnace Exemption

Y  N  **6. Underground Injection Control**

Y  N  **7. Receives Hazardous Waste from Off-site**

**B. Universal Waste Activities Complete all parts 1 - 2.**

Y  N  **1. Large Quantity Handler of Universal Waste ( you accumulate 5,000 KG or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.**

Manage or Accumulate

- a. Batteries
- b. Pesticides
- c. Mercury containing equipment
- d. Lamps
- e. Other \_\_\_\_\_
- f. Other \_\_\_\_\_
- g. Other \_\_\_\_\_

Y  N  **2. Destination Facility for Universal Waste**  
**Note:** A hazardous waste permit may be required for this activity.

**C. Used Oil Activities -Complete all parts 1-4.**

Y  N  **1. Used Oil Transporter**  
If "Yes", mark all that apply.

a. Transporter  
 b. Transfer Facility

Y  N  **2. Used Oil Processor and/or Re-refiner -**  
If "Yes", mark all that apply.

a. Processor  
 b. Re-refiner

Y  N  **3. Off-Specification Used Oil Burner**

Y  N  **4. Used Oil Fuel Marketer**  
If "Yes", mark all that apply.

a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner  
 b. Marketer Who First Claims the Used Oil Meets the Specifications

**D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K**

❖ You must check with your State to determine if you are eligible to manage laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories  
**See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:**

- a. College or University
- b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
- c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

**11. Description of Hazardous Wastes**

**A. Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001	D002	D003	D004	D005	D006	D007	
D008	D009	D010	D011	D018	D019	D021	
D022	D025	D026	D027	D028	D029	D030	
D032	D033	D035	D036	D039	D040	D043	
F001	F002	F003	F004	F005	F008	P005	
P012	P022	P030	P048	P064	P077	P078	
P101	P105	P108	P120	U002	U003	U012	
U019 U031 U037 U044 U046	U056 U068 U074 U077 U080 U088 U098 U102	U103 U105 U106 U108 U110	U112 U117 U123 U134 U135	U136 U138 U140 U144 U151 U154 U156 U159	U162 U165 U169 U183 U188	U194 U201 U211 U213 U218	U220 U225 U226 U228 U239 U246 U404

**B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.


**12. Notification of Hazardous Secondary Material (HSM) Activity**

Y  N  Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.


**13. Comments**

[Empty comment lines]

ksmith2@doeal.gov

**14. Certification.** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	D. Date Signed (mm-dd-yyyy)
	KEVIN SMITH	02/27/2012
	DOE/LASO MANAGER	

<p><b>SEND COMPLETED FORM TO:</b> The Appropriate State or Regional Office.</p>	<p><b>United States Environmental Protection Agency</b> <b>RCRA SUBTITLE C SITE IDENTIFICATION FORM</b></p>		
<p><b>1. Reason for Submittal</b></p> <p>MARK ALL BOX(ES) THAT APPLY</p>	<p><b>Reason for Submittal:</b></p> <p><input type="checkbox"/> To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)</p> <p><input type="checkbox"/> To provide a Subsequent Notification (to update site identification information for this location)</p> <p><input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application</p> <p><input type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____)</p> <p><input checked="" type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</p> <p><input type="checkbox"/> Site was a TSD facility and/or generator of <math>\geq 1,000</math> kg of hazardous waste, <math>&gt;1</math> kg of acute hazardous waste, or <math>&gt;100</math> kg of acute hazardous waste spill cleanup in <u>one or more months</u> of the report year (or State equivalent LQG regulations)</p>		
<p><b>2. Site EPA ID Number</b></p>	<p>EPA ID Number <input type="text" value="N"/> <input type="text" value="M"/> <input type="text" value="D"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="6"/> <input type="text" value="6"/> <input type="text" value="7"/> <input type="text" value="6"/> <input type="text" value="8"/> <input type="text" value="0"/> <input type="text" value="7"/></p>		
<p><b>3. Site Name</b></p>	<p>Name: LOS ALAMOS NATIONAL LABORATORY - FENTON HILL SITE</p>		
<p><b>4. Site Location Information</b></p>	<p>Street Address: BIKINI ATOLL ROAD, SM-30</p> <p>City, Town, or Village: LOS ALAMOS County: LOS ALAMOS</p> <p>State: NM Country: US Zip Code: 87545</p>		
<p><b>5. Site Land Type</b></p>	<p><input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>		
<p><b>6. NAICS Code(s) for the Site (at least 5-digit codes)</b></p>	<p>A. <input type="text" value="9"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="1"/> <input type="text" value="1"/></p> <p>B. <input type="text" value=""/></p> <p>C. <input type="text" value=""/></p> <p>D. <input type="text" value=""/></p>		
<p><b>7. Site Mailing Address</b></p>	<p>Street or P.O. Box: 3747 WEST JEMEZ ROAD</p> <p>City, Town, or Village: LOS ALAMOS</p> <p>State: NM Country: US Zip Code: 87544</p>		
<p><b>8. Site Contact Person</b></p>	<p>First Name: KEVIN MI: W Last: SMITH</p> <p>Title: MANAGER, LASO, DOE, NNSA</p> <p>Street or P.O. Box: PO BOX 1663</p> <p>City, Town or Village: LOS ALAMOS</p> <p>State: NM Country: US Zip Code: 87545</p> <p>Email: KSMITH2@DOEAL.GOV</p> <p>Phone: 505-667-5105 Ext.: Fax:</p>		
<p><b>9. Legal Owner and Operator of the Site</b></p>	<p>A. Name of Site's Legal Owner: UNITED STATES DEPARTMENT OF ENERGY Date Became Owner: 01/01/1943</p> <p>Owner Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p> <p>Street or P.O. Box: 3747 WEST JEMEZ ROAD</p> <p>City, Town, or Village: LOS ALAMOS Phone: 505-667-6691</p> <p>State: NM Country: US Zip Code: 87544</p> <p>B. Name of Site's Operator: LOS ALAMOS NATIONAL SECURITY, LLC Date Became Operator: 06/01/2006</p> <p>Operator Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other</p>		

**10. Type of Regulated Waste Activity (at your site)**  
 Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

**A. Hazardous Waste Activities; Complete all parts 1-10.**

- Y  N  **1. Generator of Hazardous Waste**  
 If "Yes", mark only one of the following – a, b, or c.
- a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; or Generates, in any calendar month, or accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.
- b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.
- c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.

If "Yes" above, indicate other generator activities in 2-4.

- Y  N  **2. Short-Term Generator** (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.
- Y  N  **3. United States Importer of Hazardous Waste**
- Y  N  **4. Mixed Waste (hazardous and radioactive) Generator**

- Y  N  **5. Transporter of Hazardous Waste**  
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)

- Y  N  **6. Treater, Storer, or Disposer of Hazardous Waste** Note: A hazardous waste Part B permit is required for these activities.

- Y  N  **7. Recycler of Hazardous Waste**

- Y  N  **8. Exempt Boiler and/or Industrial Furnace**  
 If "Yes", mark all that apply.
- a. Small Quantity On-site Burner Exemption
- b. Smelting, Melting, and Refining Furnace Exemption

- Y  N  **9. Underground Injection Control**

- Y  N  **10. Receives Hazardous Waste from Off-site**

**B. Universal Waste Activities; Complete all parts 1-2.**

- Y  N  **1. Large Quantity Handler of Universal Waste** (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.
- a. Batteries
- b. Pesticides
- c. Mercury containing equipment
- d. Lamps
- e. Other (specify) \_\_\_\_\_
- f. Other (specify) \_\_\_\_\_
- g. Other (specify) \_\_\_\_\_

- Y  N  **2. Destination Facility for Universal Waste**  
 Note: A hazardous waste permit may be required for this activity.

**C. Used Oil Activities; Complete all parts 1-4.**

- Y  N  **1. Used Oil Transporter**  
 If "Yes", mark all that apply.
- a. Transporter
- b. Transfer Facility (at your site)

- Y  N  **2. Used Oil Processor and/or Re-refiner**  
 If "Yes", mark all that apply.
- a. Processor
- b. Re-refiner

- Y  N  **3. Off-Specification Used Oil Burner**

- Y  N  **4. Used Oil Fuel Marketer**  
 If "Yes", mark all that apply.
- a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- b. Marketer Who First Claims the Used Oil Meets the Specifications

**D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K**

❖ You can **ONLY** Opt into Subpart K if:

- you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; AND
- you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y  N  1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories  
**See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:**

- a. College or University
- b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
- c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y  N  2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

**11. Description of Hazardous Waste**

**A. Waste Codes for Federally Regulated Hazardous Wastes.** Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.


**B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes.** Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.


**12. Notification of Hazardous Secondary Material (HSM) Activity**

Y  N  Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

**13. Comments**

This facility did not generate hazardous waste in calendar year 2011.

**14. Certification.** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Kevin Smith, DOE/LASO Manager	2/27/2012



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ORGANIC SOLVENTS, AQUEOUS SOLVENTS, ORGANIC ACIDS WITH IONS AND PRECIPITATES OF TOXIC METALS, TOXIC SOLVENTS, SULFIDES, ORGANIC COMPOUNDS, PHOSPHINES, OXIDES, SALTS, AMINES, NON-HAZARDOUS METALS AND POTASSIUM HYDROXIDE NANOPARTICLE WASTE.		
	B. EPA Hazardous Waste Code(s) D004 D011 D003 D002 D001 D007 D008 D009 D010 D006		C. State Hazardous Waste Code(s)
D. Source Code Management Method code for Source code G25 <u>G09</u>	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 UOM Density <u>30.41</u> <u>3</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <u>0.00 spec.gra</u>
<b>ON-SITE PROCESS SYSTEM 1</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011
<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>X</u> Yes (CONTINUE TO ITEM B)	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>30.41</u>
Site 2			
Site 3			
<b>Comments</b>	SYNTHESIS OF NANOPARTICLES, NANOPARTICLE ARRAYS AND NANOPARTICLE COMPOSITE MATERIALS, NANOPARTICLE SURFACE MODIFICATION AND MANIPULATION. Concentrated halogenated/ non-halogenated solvent mixture FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WATER REACTIVE, CORROSIVE		
B. EPA Hazardous Waste Code(s) D001 D002 D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>5.40</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>5.40</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AQUEOUS WASTE WITH ACIDS, TOXIC INTERMETALLIC COMPOUNDS, NON-TOXIC INTERMETALLIC COMPOUNDS, RARE EARTHS, OXIDES FROM CHEMICAL SYNTHESIS AND DOT OXIDIZER.</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D002 D004 D005 D011 D007 D008 D009 D010 D006</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W316</u>	F. Quantity Generated in 2011 <u>3.58</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H141</u>	<u>3.58</u>
Site 2			
Site 3			

<b>Comments</b>	Metal salts or chemicals not containing cyanides FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INORGANIC ACIDS AND OXIDIZERS WITH IONS AND PRECIPITATES OF TOXIC METALS, OXIDIZED SULFIDES (NONREACTIVE), AURO AND FERRO CYANIC ACIDS (NONREACTIVE), ORGANIC COMPOUNDS, PHOSPHINES, OXIDES, SALTS, AMINES, AND NON-HAZARDOUS METALS.</u>		
	B. EPA Hazardous Waste Code(s) D006 D011 D010 D009 D008 D007	C. State Hazardous Waste Code(s) D004 D002 D001	
	D. Source Code Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 UOM <u>44.98</u> Density <u>3</u> <u>0.00 spec.gra</u>
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
	<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>	
	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	<input type="checkbox"/> No (SKIP TO SEC. 4)	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>8.93</u>
Site 2	<u>ARD069748192</u>	<u>H141</u>	<u>10.28</u>
Site 3	<u>UTD981552177</u>	<u>H040</u>	<u>10.65</u>
Site 4	<u>UTD981552177</u>	<u>H141</u>	<u>15.10</u>
<b>Comments</b>	SYNTHESIS OF NANOPARTICLES, NANOPARTICLE ARRAYS AND NANOPARTICLE COMPOSITE MATERIALS, NANOPARTICLE SURFACE MODIFICATION AND MANIPULATION Other inorganic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MOSTLY AQUEOUS SOLUTION OF NANO3 (SODIUM NITRATE) AND NAOH (SODIUM HYDROXIDE) .		
B. EPA Hazardous Waste Code(s) D001 D002 D005 D007 D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W110</u>	F. Quantity Generated in 2011 <u>5.44</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>5.44</u>
Site 2			
Site 3			

<b>Comments</b>	Caustic aqueous waste without cyanides( Ph >12.5) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>CATALYST INK MADE OF NAFION SOLUTION, TETRABUTYLAMMONIUM HYDROXIDE, 1M IN METHANOL, GLYCEROL AND TWO OR MORE OF THE FOLLOWING: C, FE, CO, PT, RN, BATIO3, TIO2, PD AND/OR CU</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D002 D005</b>  <b>F003</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G19</b> Management Method code for Source code G25		E. Form Code <b>W209</b>	F. Quantity Generated in 2011 <b>1.00</b>  UOM <b>3</b> Density <b>0.00 spec.gra</b>
		G. Waste minimization code <b>X</b>	

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><b>X No (SKIP TO SEC. 3)</b></p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.00</u>
Site 2			
Site 3			

<b>Comments</b>	A CATALYST INK IS MADE FOLLOWING A WRITTEN PROTOCOL FROM: Other one-time or intermittent processes (specify in comments) Paint, ink, lacquer, or varnish (fluid, not dry or sludgy) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ACIDIC WASH FROM GLASSWARE: ORGANIC SOLVENTS</b>		
B. EPA Hazardous Waste Code(s) D001 D002 F003 D010 D006		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>5.44</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>3.62</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 3			

<b>Comments</b>	ACIDIC WASH FROM GLASSWARE: ORGANIC SOLVENTS Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>MIXTURE OF ETHYL ETHER AND HYDROCHLORIC ACID CONTAINING BARIUM AND CHROMIUM COMPOUNDS. ALSO MAY CONTAIN MIXED FISSION PRODUCTS.</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D002 D007 F003</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G22</u></b> Management Method code for Source code G25	E. Form Code <b><u>W219</u></b>	F. Quantity Generated in 2011 <b><u>1.47</u></b> UOM <b><u>3</u></b> Density <b><u>0.00</u> spec.gra</b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><b>X No (SKIP TO SEC. 3)</b></p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>FLD980711071</u></b>	<b><u>H061</u></b>	<b><u>1.47</u></b>
Site 2			
Site 3			

<b>Comments</b>	<b>MIXTURE OF ETHYL ETHER AND HYDROCHLORIC ACID CONTAINING BARIUM AND CHROMIUM COMPOUNDS. ALSO MAY CONTAIN MIXED FISSION PRODUCTS. Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization</b>
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>METHANOL, ETHANOL, WATER, ACETONE, ACETONITRILE, HYDROCHLORIC ACID, SULFURIC ACID, AND METALS.</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D001 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>4.98</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.98</u>
Site 2			
Site 3			
<b>Comments</b>	WE PERFORM CHEMICAL DEPOSITION OF METAL PARTICLES AND CLUSTERS BY IMMERSING DOPED POLYANILINE FILMS INTO SOLUTION OF METAL SALTS SUCH AS AGN03 AND AUC13. THE SOLVENT FOR THE METAL SALTS ARE WATER, METHANOL, ETHANOL AND ACETONE. AFTER A F Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>METHANOL/NITRIC ACID MIXTURE. APPROVED METALLOGRAPHY ETCHING ASTM STANDARD IN LAB EXPERIMENTS W/ PERCENTAGES OF WASTE CONSTITUENTS</b>		
B. EPA Hazardous Waste Code(s) <b>F003 D001 D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G22</u></b> Management Method code for Source code G25	E. Form Code <b><u>W105</u></b>	F. Quantity Generated in 2011 <b><u>0.97</u></b> UOM <b><u>3</u></b> Density <b><u>0.00</u> spec.gra</b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>UTD981552177</u></b>	<b><u>H040</u></b>	<b><u>0.97</u></b>
Site 2			
Site 3			

<b>Comments</b>	Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste UN 1163 WASTE DIMETHYLHYDRAZINE, 631,3,8 PG I ZONE B (1,1 Description DIMETHYLHYDRAZINE 100 GR)		
B. EPA Hazardous Waste Code(s) <u>D001 D002 U098</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN2924 FLAMMABLE LIQUID CORROSIVE		
B. EPA Hazardous Waste Code(s) D002 U110 U194 U404 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>17.96</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>17.96</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ELECTROPLATING OPERATIONS, GOLD, NICKEL, COPPER, METAL STRIPPING</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G03</b> Management Method code for Source code G25	E. Form Code <b>W119</b>	F. Quantity Generated in 2011 <b>144.30</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>144.30</u>
Site 2			
Site 3			

<b>Comments</b>	<b>ELECTROPLATING OPERATIONS, GOLD, NICKEL, COPPER, METAL STRIPPING</b> Other inorganic liquid (specify in comments) FROM:Plating and phosphating (electro- or non-electroplating or phosphating) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ETHANOL/PERCHLORIC ACID MIXTURE FOR METALLOGRAPHY ETCHING AT AN APPROVED LABORATORY ASTM STANDARD.</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D002</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G04</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>4.27</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.27</u>
Site 2			
Site 3			

**Comments** Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Etching(using caustics or other methods to remove layers or partial layers) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description 60%METHANOL REAGENT AND 40% NAOH SOLUTION - 16 X 1 GALLON BOTTLES
---------------	-------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D001 D002	C. State Hazardous Waste Code(s)
---------------------------------------------	----------------------------------

D. Source Code <u>G04</u> Management Method code for Source code G25	E. Form Code <u>W110</u>	F. Quantity Generated in 2011 <u>120.20</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>
---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>47.62</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>72.57</u>
Site 3			

<b>Comments</b>	Caustic aqueous waste without cyanides( Ph >12.5) FROM:Etching(using caustics or other methods to remove layers or partial layers) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MIXTURE OF ETHANOL, NITRIC ACID AND IRON. METALLOGRAPHY ETCHING WASTE AT APPROVED LABORATORY ASTM STANDARD OF LESS THAN 5% NITRIC ACID IN SOLUTION WITH THE ETHANOL AND IRON FOR RESEARCH EXPERIMENTS		
	B. EPA Hazardous Waste Code(s)  D002 D001		C. State Hazardous Waste Code(s)
D. Source Code  Management Method code for Source code G25	E. Form Code  <u>W203</u>	F. Quantity Generated in 2011  UOM <u>0.13</u> Density <u>3</u> <u>0.00 spec. gra</u>	G. Waste minimization code  <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.13</u>
Site 2			
Site 3			

**Comments** Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Etching(using caustics or other methods to remove layers or partial layers) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE MIXTURE OF METHANOL, HYDROCHLORIC, NITRIC, HYDROFLUORIC AND LACTIC ACIDS AND TRACE METALS OF TIN, LEAD AND SILVER.</b>		
B. EPA Hazardous Waste Code(s) <b>D002 D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G04</b> Management Method code for Source code G25	E. Form Code <b>W219</b>	F. Quantity Generated in 2011 <b>2.82</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.82</u>
Site 2			
Site 3			
<b>Comments</b>	ETCHING SOLUTION PROCESS WITH AN APPROVED MIXTURE OF METHANOL, HYDROCHLORIC, NITRIC, HYDROFLUORIC AND LACTIC ACIDS THAT HAVE IONS IN SOLUTION WITH TRACE METALS CONSISTING OF TIN, LEAD AND SILVER. Other organic liquid (specify in comments) FROM:Etching(using caustics or other methods to remove layers or partial layers) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:  
 SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545  
 EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE IS A MIXTURE OF WATER, ALCOHOL, ETHANOL, METHANOL, PERCHLORIC USED FOR RUNNING ELECTROLITIC REACTIONS.</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G05</b> Management Method code for Source code G25	E. Form Code <b>W103</b>	F. Quantity Generated in 2011 <b>2.17</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.17</u>
Site 2			
Site 3			

<b>Comments</b>	Spent concentrated acid FROM: Metal forming and treatment (pickling, heat treating, punching, bending, annealing, grinding, hardening, etc.) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>WATER, NITRIC AND SULFURIC ACIDS, SILVER, GOLD, COPPER, POTASSIUM PERMANGANATE, IRON CHLORIDE AND POLYMER OF POLY (METHYL METHACRYLATE) .</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>1.58</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.58</u>
Site 2			
Site 3			
<b>Comments</b>	COMBINATION OF THREE SMALL CHEMICAL SYNTHESIS RESEARCH PROJECTS CONSISTING OF DISSOLVING SILVER/GOLD FOIL IN ACID TO LEACH OUT SILVER AND GOLD REMAINS; DISSOLVING COPPER FOIL WITH POLYMER OF POLY(METHYL METHACRYLATE) IN ACID AND THE ELECTR Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WATER. ALCOHOL (ISOPROPYL), ETHANOL, METHANOL, PERCHLORIC ACID AND NON-RCRA METALS (COPPER, ZIRCONIUM, STEEL, ETC. ADDITIONAL NEW WASTE IS BUTOXY ETHANOL BEING ADDED TO THIS FORMER WPF. 3 SMALL WASTE BOTTLES W/SAME WPF NUMBER		
	B. EPA Hazardous Waste Code(s) D002 D001	C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 UOM <u>0.95</u> Density <u>3</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>UTD981552177</u>	C. Off-site Management Method code shipped to <u>H040</u>	D. Total quantity shipped in 2011 <u>0.95</u>
Site 1			
Site 2			
Site 3			

**Comments** RESEARCH SOLUTION (MIXTURE) OF WATER WITH ORGANIC AND INORGANIC CHEMICAL PRODUCTS USED FOR RUNNING ELECTROLITIC REACTIONS Other organic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TETRA ETCH ETCHANT -DIMETHOXYETHANE		
B. EPA Hazardous Waste Code(s) D002 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>48.60</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>0.90</u>
Site 2	<u>FLD980711071</u>	<u>H061</u>	<u>2.94</u>
Site 3	<u>UTD981552177</u>	<u>H040</u>	<u>44.75</u>

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ELECTROLYTE SOLUTION CONTAINING ACETIC ACID AND PERCHLORIC ACID WITH NON-HAZARDOUS METALS</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W101</u>	F. Quantity Generated in 2011 <u>1.20</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.20</u>
Site 2			
Site 3			

**Comments** Very dilute aqueous waste containing more than 99% water (Land Ban defined wastewater, not exempted) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PERCHLORIC ACID SOLUTION 1% TO 2%		
B. EPA Hazardous Waste Code(s) D001 D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>6.60</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.60</u>
Site 2			
Site 3			

<b>Comments</b>	Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE CONSISTS OF A USED POTASSIUM HYDROXIDE /ISOPROPNOL BASE BATH. (WASTE IS SLUDGE LIKE AND CRYSTALLINE.)</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W119</b>	F. Quantity Generated in 2011 <b>15.87</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>15.87</u>
Site 2			
Site 3			

<b>Comments</b>	WASTE CONSISTS OF A USED POTASSIUM HYDROXIDE /ISOPROPNOL BASE BATH. (WASTE IS SLUDGE LIKE AND CRYSTALLINE.) Other inorganic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ORGANIC SOLVENTS, AQUEOUS SOLVENTS, AND ORGANIC ACIDS WITH IONS AND PRECIPITATES OF TOXIC METALS, TOXIC SOLVENTS, SULFIDES, ORGANIC COMPOUNDS, PHOSPHINES, OXIDES, SALTS, AMINES, AND NON-HAZARDOUS METALS</b>		
B. EPA Hazardous Waste Code(s) D008 D007 D011 D010 D009 D006 D004 D003 D001 D022		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 UOM <u>197.76</u> Density <sup>3</sup> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	<input type="checkbox"/> No (SKIP TO SEC. 4)	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>85.27</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>25.85</u>
Site 3	<u>ARD069748192</u>	<u>H141</u>	<u>86.63</u>

**Comments** Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ORGANIC SOLVENTS, AQUEOUS SOLVENTS, AND ORGANIC ACIDS WITH IONS AND PRECIPITATES OF TOXIC METALS, TOXIC SOLVENTS, SULFIDES, ORGANIC COMPOUNDS, PHOSPHINES, OXIDES, SALTS, AMINES, AND NON-HAZARDOUS METALS, NANOPARTICLE WASTE..</u>		
	B. EPA Hazardous Waste Code(s) <u>D011 D010 D001 D003 D022 D009 D008 D007 D006 D004</u>	C. State Hazardous Waste Code(s)	
D. Source Code <u>G25</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 UOM <u>87.99</u> Density <u>3</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>51.96</u>
Site 2	<u>ARD069748192</u>	<u>H141</u>	<u>15.91</u>
Site 3	<u>UTD981552177</u>	<u>H040</u>	<u>20.11</u>

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AEROSOL CANS AND ASSOCIATED MATERIALS, I.E. PLASTIC BAGS AND TAPE. D001, D003, D008, D009 APPLY</u>		
B. EPA Hazardous Waste Code(s) <u>D003 D009 D008</u> <u>D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>2.04</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H112</u>	<u>2.04</u>
Site 2			
Site 3			

**Comments** TRU WASTE REPACKAGING OPERATION AND PROHIBITED ITEM REMOVAL. REMOVAL OF AEROSOL CANS AND REPACKAGING IN SEPERATE CONTAINERS Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>NON-ROUTINE SCHEDULED CLEAN-UP OF A SMALL MAGNESIUM MACHINING PROJECT</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D008 D003</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G11</u></b> Management Method code for Source code G25	E. Form Code <b><u>W307</u></b>	F. Quantity Generated in 2011 <b><u>31.34</u></b> UOM <b><u>3</u></b> Density <b><u>0.00</u> spec.gra</b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>ARD069748192</u></b>	<b><u>H040</u></b>	<b><u>31.34</u></b>
Site 2			
Site 3			

**Comments** Metal scale, filings and scrap (including metal drums) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AEROSOL CANS AND ASSOCIATED MATERIALS, I.E. PLASTIC BAGS AND TAPE. D001, D003 AND D008 APPLY</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D003 D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>3.85</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H112</u>	<u>3.85</u>
Site 2			
Site 3			

<b>Comments</b>	TRU WASTE REPACKAGING OPERATION AND PROHIBITED ITEM REMOVAL. REMOVAL OF AEROSOL CANS AND REPACKAGING IN SEPERATE CONTAINERS Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>DETONABLE QUANTITIES OF HE ON LAB MATERIALS USED TO CLEAN EQUIPMENT AND SURFACES</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D003</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>18.50</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <input checked="" type="checkbox"/> Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code <u>H129</u>	Quantity treated, disposed, or recycled on-site in 2011 <u>18.50</u>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> No (FORM IS COMPLETE)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

**Comments** TREATED ON SITE BY OPEN DETONATION. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TOLUENE NAK - SODIUM , POTASSIUM		
B. EPA Hazardous Waste Code(s) D001 D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>212.85</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>46.66</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>145.05</u>
Site 3	<u>TXD055141378</u>	<u>H141</u>	<u>8.89</u>
Site 4	<u>COD980591184</u>	<u>H141</u>	<u>12.24</u>

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>SHOP 39 MACHIINING PROJECT OF A MANUFACTURED BLOCK OF MAGNESIUM</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D003</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>5.80</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>5.80</u>
Site 2			
Site 3			

**Comments** Metal scale, filings and scrap (including metal drums) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CHLORINE TRIFLUORIDE (DOT 3AA2015)		
B. EPA Hazardous Waste Code(s) D003 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W801</u>	F. Quantity Generated in 2011 <u>0.50</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TXD982290140</u>	<u>H121</u>	<u>0.50</u>
Site 2			
Site 3			

<b>Comments</b>	Compressed gases (any type) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AEROSOL CANS AND ASSOCIATED MATERIALS, I.E. PLASTIC BAGS AND TAPE. D001 AND D003 APPLY</u>		
B. EPA Hazardous Waste Code(s) <u>D003 D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>12.02</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H112</u>	<u>12.02</u>
Site 2			
Site 3			

**Comments** TRU WASTE REPACKAGING OPERATION AND PROHIBITED ITEM REMOVAL. REMOVAL OF AEROSOL CANS AND REPACKAGING IN SEPERATE CONTAINERS Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description 450 GRAMS OF LITHIUM 6 HYDRIDE CONTAMINATED WITH 600 CURIES OF TRITIUM. LITHIUM IS PACKED IN ROBUST STAINLESS STEEL CONTAINER AND OVER PACKED INTO 30 GAL STEEL

B. EPA Hazardous Waste Code(s) D001 D003 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>63.50</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H111</u>	<u>63.50</u>
Site 2			
Site 3			

**Comments** 900 GRAMS OF LITHIUM 6 HYDRIDE WITH 1200 CURIES OF TRITIUM ON IT. FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Other inorganic solids (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>SILICON CARBIDE GRINDING PAPERS WITH TOXICITY CHARACTERISTIC METALS SUCH A SILVER AND CHROMIUM AND VARIOUS NON-HAZARDOUS METALS AND KEROSENE OR WATER</b>		
B. EPA Hazardous Waste Code(s) <b>D011 D009 D008 D007 D006 D005 D004 D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>3.60</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H141</u>	<u>3.60</u>
Site 2			
Site 3			
<b>Comments</b>	SILICON CARBIDE GRINDING PAPERS USED FOR MECHANICAL GRINDING OF TOXICITY CHARACTERISTIC METALS AND VARIOUS NON-HAZARDOUS METALS WITH KEROSENE OR WATER AS THE LUBRICANT. Other inorganic solids (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE INCLUDES SPENT CHEMICALS FROM RESEARCH OPERATIONS.
---------------	----------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) F002 D028 D022 D019 D011 D008 D005 D006 D007 D001	C. State Hazardous Waste Code(s)
----------------------------------------------------------------------------------------	----------------------------------

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>15.00</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)
---------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>15.00</u>
Site 2			
Site 3			

<b>Comments</b>	CHEMICAL RESEARCH INVOLVING SMALL SCALE REACTIONS. Other inorganic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1479 OXIDIZERS, SOLIDS		
B. EPA Hazardous Waste Code(s) D001 D005 D006 D007 D008 D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>28.30</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>28.30</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ACETONE/HEXANE/TOLUENE</u>		
	B. EPA Hazardous Waste Code(s) <u>D005 D001 D008 D022 D021 D019 D018 D007 D009 D010</u>	C. State Hazardous Waste Code(s)	
	D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec. gra
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
	<b>ON-SITE PROCESS SYSTEM 1</b>	<b>ON-SITE PROCESS SYSTEM 2</b>
	On-site Management Method code      Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code      Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments**      Concentrated halogenated/ non-halogenated solvent mixture FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description BA NITRATE		
B. EPA Hazardous Waste Code(s) D001 D005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.76</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.76</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CD NITRATE		
B. EPA Hazardous Waste Code(s) D001 D006		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.25</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.25</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CHROMIUM TRIOXIDE		
B. EPA Hazardous Waste Code(s) D001 D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>20.65</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>20.65</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AQUEOUS WASTE WITH ISOPROPANOL FROM MECHANICALLY POLISHING SAMPLES WITH TOXIC METALS.</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D008 D009 D010 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>47.35</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>47.35</u>
Site 2			
Site 3			

<b>Comments</b>	HIGH TEMPERATURE SUPERCONDUCTOR RESEARCH OPERATIONS. FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Other organic liquid (specify in comments) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE SOLVENTS, DEGREASERS, EPOXIES, VARNISH, TCLP METALS, AND ACIDS FLUXES FROM HIGH MAGNETIC FIELD RESEARCH OPERATIONS.</b>		
B. EPA Hazardous Waste Code(s) <b>D001 D008 F005 F003 F002 D011</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W204</b>	F. Quantity Generated in 2011 <b>4.53</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.53</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE RESULTS FROM SYNTHESIS OF COMPOUNDS. PROCESSES INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMATOGRAPHY. WASTE INCLUDES SOLVENTS AND REACTION BY-PRODUCTS INSOLUBLE OR SOLUBLE IN THE SOLVENTS.		
B. EPA Hazardous Waste Code(s) F003 F001 D001 D010 D011 D027 D022 F005		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 UOM <u>50.80</u> Density <sup>3</sup> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	<input type="checkbox"/> No (SKIP TO SEC. 4)	
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>50.80</u>
Site 2			
Site 3			
<b>Comments</b>	WASTE RESULTS FROM SYNTHESIS OF COMPOUNDS. PROCESSES INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMATOGRAPHY. WASTE INCLUDES SOLVENTS AND REACTION BY-PRODUCTS INSOLUBLE OR SOLUBLE IN THE SOLVENTS. Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ORGANIC SOLVENT WASTE GENERATED FROM REACTIONS AND WASHING ORGANIC COMPOUNDS FROM GLASSWARE.</b>		
B. EPA Hazardous Waste Code(s) F002 F003 F005 D001 D010 D022		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>45.36</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>45.36</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THIS WASTE CONSISTS OF SPENT SOLVENTS FROM R&D WORK ON THE SYNTHESIS OF TECHNETIUM COMPOUNDS.		
B. EPA Hazardous Waste Code(s) F002 D028 D010 D001 F003 F005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>2.17</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>2.17</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE RESULTS FROM SYNTHESIS OF ORGANIC AND ORGANOMETALLIC OCMPOUNDS .</b>		
B. EPA Hazardous Waste Code(s) <u>D021 D019 D011 D001 D022 F005 F003 F002 D028</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>102.06</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>68.04</u>
Site 2	<u>ARD069748192</u>	<u>H040</u>	<u>34.02</u>
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METAL CONTAINING HALOGENATED ORGANIC WASTE: THE WASTE CONTAINS BOTH HALOGENATED AND NON-HALOGENATED COMPOUNDS AND METALS RESULTING FROM CHEMICAL SYNTHESIS AND CLEANING.		
B. EPA Hazardous Waste Code(s) D001 D011 F003 F002 F001 D022 F005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>37.64</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>37.64</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1992 WASTE FLAMMABLE LIQUID TOXIC		
	B. EPA Hazardous Waste Code(s) U077 U074 U056 U046 D028 U019 U003 D001 D011 U031		C. State Hazardous Waste Code(s)
	D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>77.11</u> UOM <u>3</u> Density <u>0.00</u> spec. gra
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
	<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>77.11</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1993 WASTE FLAMMABLE LIQUID		
	B. EPA Hazardous Waste Code(s) U108 U225 U056 U037 U019 U002 D035 D001 D011	C. State Hazardous Waste Code(s)	
	D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>98.88</u> UOM <u>3</u> Density <u>0.00</u> spec. gra
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
	<b>ON-SITE PROCESS SYSTEM 1</b>	<b>ON-SITE PROCESS SYSTEM 2</b>
	On-site Management Method code      Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code      Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>98.88</u>
Site 2			
Site 3			

**Comments**      Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN-1983 WASTE FLAMMABLE LIQUID, NOS 3, PGII		
B. EPA Hazardous Waste Code(s) D035 D011 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>83.91</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>83.91</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE ORGANIC SOLVENTS USED FOR CLEANING, DEGREASING, AND REMOVING SILVER PAINT FROM METALLOGRAPHIC SAMPLES.</b>		
B. EPA Hazardous Waste Code(s) F005 F003 D011 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>6.94</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.94</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SILVER NITRATE		
B. EPA Hazardous Waste Code(s) D011 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>4.48</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.48</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description FLAMMABLE LIQUIDS (92 ITEMS) INCLUDING N,N-DIMETHYLFORMAMIDE, CYCLOHEXANE, XYLENE, ISOPROPNOL, ETHANOL, ACETONITRILE, TRIMETHYL ORTHOFORMATE, TRIETHYL ORTHOFORMATE, TETRAMETHYLSILANE, TETRAHYDROFURAN, ETC		
	B. EPA Hazardous Waste Code(s) D018	C. State Hazardous Waste Code(s) U220 D001 U003	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 UOM <u>62.40</u> Density <sup>3</sup> <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>62.40</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description BENZENE		
B. EPA Hazardous Waste Code(s) D001 D018		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>429.57</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>429.57</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description 1 PINT OF GASONLINE ABSORBED ON A ABSORBENT PILLOW (PIG).		
B. EPA Hazardous Waste Code(s) D001 D018		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W301</u>	F. Quantity Generated in 2011 <u>2.26</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.26</u>
Site 2			
Site 3			

**Comments** A PERSONAL VEHICLE PARKED ON A PAVED PARKING LOT, WAS LEAKING GAS FROM THE GAS TANK. A SMALL PUNCTURE IN THE GAS TANK. Contaminated soil (usually from remediation, demolition, or cleaning) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>DIESEL FUEL CONTAMINATED FUEL FILTERS</b>		
B. EPA Hazardous Waste Code(s) <b>D018 D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G19</b> Management Method code for Source code G25	E. Form Code <b>W310</b>	F. Quantity Generated in 2011 <b>15.96</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>1.36</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>14.60</u>
Site 3			

<b>Comments</b>	FACILITY CONSTRUCTION /UPGRADE OPERATIONS, SECURITY LIGHTING and spent carbon (usually from remediation, production, o FROM:Other one-time or intermittent processes(specify in comments) Waste Min: No minimization	Filters, solid adsorbents, ion exchange resins
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE RESULTS FROM THE SYNTHESIS OF ORGANIC AND INORGANIC COMPOUNDS. PROCESSES INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMATOGRAPHY. WASTE INCLUDES SOLVENTS AND REACTION BY-PRODUCTS INSOLUBLE AND SOLUBLE IN THE SOLVENTS.</b>		
	B. EPA Hazardous Waste Code(s) D021 D019 F002 D028 D022 D001 F003 F005	C. State Hazardous Waste Code(s)	
	D. Source Code Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 UOM <u>6.80</u> Density <u>0.00 spec. gra</u> <sup>3</sup>
	G. Waste minimization code <u>X</u>		

<b>Sec. 2</b>	Was any of this waste managed on-site?			
	<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>	
	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.80</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE RESULTS FROM SYNTHESIS OF ORGANOMETALLIC AND ORGANIC COMPOUNDS. PROCESSES INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMOTOGRAPHY. WASTE INCLUDES SOLVENTS AND REACTION BY-PRODUCTS INSOLUBLE OR SOLUBLE IN THE SOLVENTS.		
	B. EPA Hazardous Waste Code(s) D019 F002 D022 D025 D028 F003 F005 D001		C. State Hazardous Waste Code(s)
D. Source Code Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 UOM <u>6.80</u> Density <u>0.00 spec. gra</u> <sup>3</sup>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.80</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description VARIOUS SOLVENTS.		
B. EPA Hazardous Waste Code(s) F005 F003 F002 D019 D001 D022		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>0.90</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.90</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>BUFFER SOLUTION PH 2.0 SPENT REAGENTS FROM KARL FISHER ANALYSIS FOR WATER. INCLUDE KARL FISHER REAGENTS (COULOMAT A AND COULOMAT C) AND SAMPLES OF COMMON SOLVENTS.</b>			
B. EPA Hazardous Waste Code(s) <b>D019 D022 F002</b>  <b>F003 D001</b>		C. State Hazardous Waste Code(s)		
D. Source Code <b><u>G22</u></b> Management Method code for Source code G25		E. Form Code <b><u>W204</u></b>	F. Quantity Generated in 2011  UOM <b><u>3</u></b> Density <b><u>0.00</u> spec.gra</b>	G. Waste minimization code  <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.68</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>MULTILAYER (ORGANIC/AQUEOUS) SOLVENTS: ACETONE, METHANOL, TOLUENE, BENZENE. THERE ARE FIVE 4-LITER BOTTLES IN A 14 GALLON POLY DRUM.</b>		
B. EPA Hazardous Waste Code(s) <b>F003 F002 D028 D022 D001 F005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W203</b>	F. Quantity Generated in 2011 <b>16.70</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>16.70</u>
Site 2			
Site 3			

**Comments** Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THIS SOLID LABORATORY TRASH DERIVED FROM THE SYNTHESIS AND PURIFICATION OF ORGANIC AND INORGANIC COMPLEXES.		
B. EPA Hazardous Waste Code(s) D001 F003 F005 D028 D022		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>38.55</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>38.55</u>
Site 2			
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THIS WASTE IS FROM ROUTINE HOUSEKEEPING OPERATION OF FORMER PROCESS WASTE.		
B. EPA Hazardous Waste Code(s) F005 F003 D022 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>54.43</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>54.43</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description U/U: FLAMMABLE - 3 (SEE ATTACHED CHEM. LOG)		
B. EPA Hazardous Waste Code(s) U031 U003 D022 D001 U002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>8.30</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>8.30</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PHENOL CHLOROFORM ISOAMYL ALCOHOL		
B. EPA Hazardous Waste Code(s) D022 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHANOL, DICHLOROETHANE AND WATER MIXTURE		
B. EPA Hazardous Waste Code(s) D001 D028 F003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>2.72</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>2.72</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>1,2 DICHLOROETHANE AND METHANOL SOLUTION FROM HPLC ANALYSIS.</u>		
B. EPA Hazardous Waste Code(s) <u>F003 D001 D028</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>3.62</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.62</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste (100PPM HIGH EXPLOSIVES IN (10% MEOH AND ACETONITRILE IN WATER, NOT EXPLOSIVE IN THIS FORM.		
B. EPA Hazardous Waste Code(s) <u>D001 D030 D036</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>15.25</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>15.25</u>
Site 2			
Site 3			

<b>Comments</b>	(100PPM HIGH EXPLOSIVES IN (10% MEOH AND ACETONITRILE IN WATER, NOT EXPLOSIVE IN THIS FORM. Other organic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1993 WASTE FLAMMABLE LIQUID		
B. EPA Hazardous Waste Code(s) U159 U108 U140 U154 U037 U031 U019 U002 D035 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>91.17</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>91.17</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>CLASS 3 FLAMMABLES</b>		
B. EPA Hazardous Waste Code(s) <u>D001 D035 U002</u> <u>U213</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>100.00</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>100.00</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHYL ETHYL KETONE		
B. EPA Hazardous Waste Code(s) D035 D001 U159		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CLASS 3 FLAMMABLE LIQUIDS		
B. EPA Hazardous Waste Code(s) U220 D001 D035		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>16.32</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>16.32</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LOCKTITE</u>		
B. EPA Hazardous Waste Code(s) <u>D001 D035</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>20.53</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>20.53</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT THINNERS		
B. EPA Hazardous Waste Code(s) D001 D036 F005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G06</u> Management Method code for Source code G25	E. Form Code <u>W211</u>	F. Quantity Generated in 2011 <u>419.58</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>419.58</u>
Site 2			
Site 3			

<b>Comments</b>	Paint thinner or petroleum distillates FROM:Painting and coating (manufacturing, building, or maintenance) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE HALOGENATED AND NON-HALOGENATED SOLVENTS AND BY-PRODUCTS RESULTING FROM THE SYNTHESIS OF ORGANOMETALLIC AND ORGANIC COMPOUNDS. ADDITIONAL INFORMATION ON ATTACHED SHEET.</b>		
B. EPA Hazardous Waste Code(s) <b>F004 D001 F002</b> <b>F003 F005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W204</b>	F. Quantity Generated in 2011 <b>28.57</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>28.57</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PROCESS WASTE GENERATED FROM HALOGENATED ORGANICS RESEARCH.		
B. EPA Hazardous Waste Code(s) F005 F002 F003 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>15.42</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>15.42</u>
Site 2			
Site 3			

<b>Comments</b>	PROCESS WASTE GENERATED FROM HALOGENATED ORGANICS RESEARCH. Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ORGANIC/AQUEOUS WASTE WITH WATER, DIETHYL ETHER, N-METHYLROLIDONE, METHYLENE CHLORIDE, PIPERIDINE, TRIISOPROPYLSILANE, N,N-DIMETHYLFORMAMIDE, N,N-DIISOPROPYLETHYLAMINE, 1,4-DITHIO-DL-THREITOL, AND TRIFLUOROACETIC ACID.		
	B. EPA Hazardous Waste Code(s) D001 F003 F002		
D. Source Code Management Method code for Source code G25 <u>G22</u>		E. Form Code <u>W203</u>	F. Quantity Generated in 2011 UOM Density <u>45.04</u> <u>3</u>
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <u>0.00 spec.gra</u>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code <u>X</u> <del>No (SKIP TO SEC 3)</del> Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>X</u> Yes (CONTINUE TO ITEM B)	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>45.04</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ORGANIC REACTION		
B. EPA Hazardous Waste Code(s) D001 F002 F003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>6.35</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.35</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE LARGELY CONSISTS OF ETHANOL AND WATER AND ALSO CONTAINS PHOSPHATE SALTS, METHYLENE CHLORIDE AND POLYMERS SUCH AS POLYLACTIDE-CO-GLYCOLIDE.</b>		
B. EPA Hazardous Waste Code(s) <b>F002 D001 F005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>4.53</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.53</u>
Site 2			
Site 3			

<b>Comments</b>	PREPARATION OF POLYMER MICROSPHERES AND 2-NITRODIPHENYLAMINE (2-NDPA) Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AMIDE BOND-FORMING REACTIONS, SIMILAR TO PEPTIDE SYNTHESIS. PIPERIDINE DICHLOROMETHANE</u>		
B. EPA Hazardous Waste Code(s) <u>D001 F002</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>13.60</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>13.60</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TOLUENE AND ACETONE USED TO CLEAN EQUIPMENT FROM XTX 8003 LINE WAVE GENERATOR FORMULATION. THE TOLUENE AND ACETONE MIXTURE CONTAINS ( 1% TRACE PENTAERYTHRITOL TETRANITRATE (PETN) IN SOLUTION AND IS NOT CONSIDERED REACTIVE (D003) UNDER RCRA		
	B. EPA Hazardous Waste Code(s) D001 F003 F005		C. State Hazardous Waste Code(s)
D. Source Code Management Method code for Source code G25 <u>G07</u>	E. Form Code <u>W205</u>	F. Quantity Generated in 2011 UOM <u>6.35</u> Density <u>3</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>UTD981552177</u>	C. Off-site Management Method code shipped to <u>H040</u>	D. Total quantity shipped in 2011 <u>6.35</u>
Site 1			
Site 2			
Site 3			

**Comments** Oil-water emulsion or mixture (fluid, not sludgy) FROM:Product and by-product processing (direct flow of wastes from Chemical manufacturing or processing, etc.) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CARBON NANOTUBES, SOLVENTS, RESIN, ETC.		
B. EPA Hazardous Waste Code(s) F003 D001 F005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

**Comments** CARBON NANOTUBE AND OTHER FORMS OF CARBON SYNTHESIS AND POLYMER COMPOSITES. Other organic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CELLULOSE/COTTON PRODUCTS CONTAMINATED W/MINIMAL AMOUNTS OF ETHANOL, ACETONE, MEK, ISOPROPYL ALCOHOL AND TOLUENE.</u>		
B. EPA Hazardous Waste Code(s) <u>D001 F003 F005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>14.96</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>1.36</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>13.60</u>
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE ORGANIC SOLVENTS FROM THE GEL PERMEATION CHROMATOGRAPHY UNIT AND RESEARCH AND DEVELOPMENT OPERATIONS FROM POLYMERS RESEARCH.</b>		
B. EPA Hazardous Waste Code(s) <b>D001 F003 F005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>120.96</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>120.96</u>
Site 2			
Site 3			

**Comments** Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHANOL, ETHANOL, ACETIC ACID		
B. EPA Hazardous Waste Code(s) D001 F005 F003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>11.34</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>11.34</u>
Site 2			
Site 3			

**Comments** WASTE IS GENERATED DURING HPLC SEPARATION AND PURIFICATION OF PROTEINS, FATTY ACIDS, AND BIOLOGICAL SIDEROPHORE MATERIAL. Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CELLULOSIC MATERIAL (SUCH AS COTTON OR PAPER RAGS) WITH ETHANOL ANHYDROUS ALCOHOL</u>		
B. EPA Hazardous Waste Code(s) <u>D001 F003</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G07</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>11.34</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>11.34</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Product and by-product processing (direct flow of wastes from Chemical manufacturing or processing, etc.) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ETHANOL, ISOPROPYL ALCOHOL, METHANOL		
B. EPA Hazardous Waste Code(s) D001 F003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>4.08</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.08</u>
Site 2			
Site 3			

<b>Comments</b>	WASTE GENERATED FROM TEH EXTRACTION OF COTTON AND POLYESTER MATERIALS IN ETHANOL, ISOPROPYL ALCOHOL AND INETHANOL Other inorganic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE ACETONE USED FOR CLEANING GLASSWARE.		
B. EPA Hazardous Waste Code(s) D001 F003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>10.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>10.00</u>
Site 2			
Site 3			

**Comments** WASTE ACETONE USED FOR CLEANING GLASSWARE. Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHANOL AND WATER IN AN50/50 MIXTURE.		
B. EPA Hazardous Waste Code(s) F003 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W107</u>	F. Quantity Generated in 2011 <u>3.62</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.62</u>
Site 2			
Site 3			

<b>Comments</b>	Aqueous waste containing cyanides (generally Caustic) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ACETONE IS USED TO DRY MASS SPECTROMETER SOURCE PARTS AFTER FINAL CLEANING.</b>		
B. EPA Hazardous Waste Code(s) <b>F003 D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W203</b>	F. Quantity Generated in 2011 <b>711.20</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>584.69</u>
Site 2	<u>FLD980711071</u>	<u>H061</u>	<u>29.02</u>
Site 3	<u>FLD980711071</u>	<u>H111</u>	<u>22.68</u>
Site 4	<u>TXD055141378</u>	<u>H040</u>	<u>5.50</u>
Site 5	<u>UTD981552177</u>	<u>H040</u>	<u>62.31</u>

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>AMINE DETERMINATION OF CURING AGENTS RESULTING IN THE FOLLOWING WASTE: EPON 828 CURING AGENT, VERSAMID 125 RESIN, ACETONE, GLACIAL ACETIC ACID, AND 0.1N PERCHLORIC ACID.</b>		
B. EPA Hazardous Waste Code(s) <b>D001 F003</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W219</b>	F. Quantity Generated in 2011 <b>7.25</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><b>X No (SKIP TO SEC. 3)</b></p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>7.25</u>
Site 2			
Site 3			
<b>Comments</b>	DETERMINATION OF AMINE CONTENT IN CURING AGENTS BY DETERMINING THE AMOUNT OF CURING AGENT THAT WILL COMBINE WITH ACETIC ACID AND ACETONE. THE RESULTING MIXTURE IS TITRATED WITH 0.1N PERCHLORIC ACID TO DETERMINE ENDPOINT. Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>SPENT SOLVENT (ACETONE), WATER, AND SOIL IN 1 LITER PLASTIC CONTAINERS. (LAB PACK)</u>		
B. EPA Hazardous Waste Code(s) <u>F003 D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>37.62</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>37.62</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT THINNERS USED FOR CLEANING PAINTING EQUIPMENT		
B. EPA Hazardous Waste Code(s) F005 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G01</u> Management Method code for Source code G25	E. Form Code <u>W211</u>	F. Quantity Generated in 2011 <u>181.44</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>181.44</u>
Site 2			
Site 3			

<b>Comments</b>	Paint thinner or petroleum distillates FROM: Dip, flush or spray rinsing (using solvents to clean or prepare parts or assemblies for further processing - i.e. painting or assembly) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AQUEOUS SOLUTION OF PYRIDINE, ETHANOL, SILANES, AND SOAP</u>		
B. EPA Hazardous Waste Code(s) <u>F005 D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>5.44</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>5.44</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1993 WASTE FLAMMABLE LIQUID		
B. EPA Hazardous Waste Code(s) U088 U108 U117 P005 D001 U056 U019 P022 P101 U003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>102.06</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>102.06</u>
Site 2			
Site 3			

**Comments** Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1131 WASTE CARBONDISULFIDE 3 (6.1) PG I		
B. EPA Hazardous Waste Code(s) P022 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>1.63</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.63</u>
Site 2			
Site 3			

**Comments** Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1320 WASTE DINITRO PHENOL WETTED 4.1(6.1) PG I		
B. EPA Hazardous Waste Code(s) D001 P048		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>0.27</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.27</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste UN2477 WASTE METHYL ISOTHIOCYANATE, 6.1(3) PG 1 ZONE B (METHYL Description ISOCYANATE 100 GR)		
B. EPA Hazardous Waste Code(s) P064 D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>1.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 2			
Site 3			

**Comments** Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN1993 WASTE FLAMMABLE LIQUID, N.O.S., 3, PGII		
B. EPA Hazardous Waste Code(s) U056 U154 U002 D001 U162 U239 U220		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>101.60</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>101.60</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ACETONE		
B. EPA Hazardous Waste Code(s) D001 U002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>3.94</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.94</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ACETONITIRLE</u>		
B. EPA Hazardous Waste Code(s) <u>D001 U003</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.90</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.90</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>1 - BUTANOL</u>		
B. EPA Hazardous Waste Code(s) <u>D001 U031</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>2.72</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.72</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ETHYL ACETATE, HIGHLY FLAMMABLE LIQUID		
B. EPA Hazardous Waste Code(s) D001 U112		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.99</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.99</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHONAL		
B. EPA Hazardous Waste Code(s) D001 U154		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>3.26</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.26</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHYL CHLOROFORMATE		
B. EPA Hazardous Waste Code(s) D001 U156		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METHYL ETHYL KETONE		
B. EPA Hazardous Waste Code(s) D001 U159		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.85</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.85</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UNH1325 FLAMM SOLIDS, ORGANIC		
B. EPA Hazardous Waste Code(s) D001 U165		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>7.07</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>7.07</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TOLUENE, REAGENT GRADE, FLAMMABLE LIQUID		
B. EPA Hazardous Waste Code(s) D001 U220		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.99</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.99</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description XYLENE		
B. EPA Hazardous Waste Code(s) D001 U239		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.13</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.13</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CONTAMINATED DEBRIS: PAPER, CLOTHING, RAGS, WOOD, GLASS, PIPING FROM PLATING AND PHOSPHATING</u>		
B. EPA Hazardous Waste Code(s) <u>D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G03</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>114.85</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>114.85</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Plating and phosphating (electro- or non-electroplating or phosphating) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description HIGH PERFORMANCE PROPELLANT CONSISTING OF AMMONIUM PERCHLORATE. THE AMMONIUM PERCHLORATES ARE GREATER THAN 15 MICRONS IN SIZE AND IN WATER.

B. EPA Hazardous Waste Code(s) D001 C. State Hazardous Waste Code(s)

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>0.11</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.11</u>
Site 2			
Site 3			

**Comments** MACHINING OPERATIONS. Other inorganic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ORGANIC SOLVENTS (METHANOL, ETHANOL, ISOPROPANOL, ACETONE, TOLUENE, METHYL ETHYL KETONE, AND N-PENTANE) WITH SMALL AMOUNTS OF GALLIUM.</b>		
B. EPA Hazardous Waste Code(s) <b>D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W219</b>	F. Quantity Generated in 2011 <b>184.16</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>184.16</u>
Site 2			
Site 3			

<b>Comments</b>	CHEMICALS USED IN ANALYSIS AND TESTIGN ACTIVITIES AT TA-39, BLDG, 2. Other organic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description NITROCELLULOSE, WET		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>574.23</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>285.58</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>286.51</u>
Site 3	<u>TXD982290140</u>	<u>H129</u>	<u>1.36</u>
Site 4	<u>TXD982290140</u>	<u>H121</u>	<u>0.50</u>
Site 5	<u>FLD980711071</u>	<u>H111</u>	<u>0.28</u>

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MIXED FISSION PRODUCTS, TRIBUTYL PHOSPHATE AND HEXANE.		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>1.47</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>1.47</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ACETIC ACID, METHANOL, COOMASSIE BLUE</b>		
B. EPA Hazardous Waste Code(s) <b>D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W204</b>	F. Quantity Generated in 2011 <b>7.50</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>7.50</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description NITROGEN TRIFLUORIDE (LECTURE BOTTLE)		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W801</u>	F. Quantity Generated in 2011 <u>12.03</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>TXD982290140</u>	<u>H121</u>	<u>3.99</u>
Site 2	<u>TXD982290140</u>	<u>H129</u>	<u>7.41</u>
Site 3	<u>TXD982290140</u>	<u>H141</u>	<u>0.62</u>

<b>Comments</b>	Compressed gases (any type) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>OXIDIZING CONTAMINATED MATERIAL</b>		
B. EPA Hazardous Waste Code(s) <b>D001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G13</b> Management Method code for Source code G25	E. Form Code <b>W310</b>	F. Quantity Generated in 2011 <b>1,988.49</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>1,988.49</u>
Site 2			
Site 3			

<b>Comments</b>	Filters, solid adsorbents, ion exchange resins and spent carbon (usually from remediation, production, or FROM:Cleaning out process equipment (periodic sludge or residual removal from enclosed processes including internal scrubbing or cleaning) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WD-40 AEROSOL		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>0.20</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H112</u>	<u>0.20</u>
Site 2			
Site 3			

**Comments** MECHANICAL MAINTENEACE OPERATIONS. AEROSOL (WD-40) USED TO LUBRICATE PARTS AND SLOW METAL DEGRADATION Other organic liquid (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TOLUENE AMPULES		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W320</u>	F. Quantity Generated in 2011 <u>168.73</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>168.73</u>
Site 2			
Site 3			

**Comments** THERMOSTATIC CONTROL UNITS CONTAINING TOLUENE. THESE UNITS ARE REMOVED FROM STEAM REGISTERS IN OFFICES THROUGHOUT SM-43. Electrical devices (lamps, thermostats, CRTs, etc) (fluorescents, etc usually Mercury or lead containing FROM:Other one-time or intermittent processes(specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ACETONITRILE AND WATER IN AN50/50 MIXTURE.		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W107</u>	F. Quantity Generated in 2011 <u>2.72</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>2.72</u>
Site 2			
Site 3			

<b>Comments</b>	Aqueous waste containing cyanides (generally Caustic) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AQUEOUS WASTE OR WASTEWATERS (FLUID BUT NOT SLUDGE) FROM LABORATORY ANALYTICAL WASTES</u>		
B. EPA Hazardous Waste Code(s) <u>D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>108.83</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>98.88</u>
Site 2			
Site 3			

**Comments** Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ETHANOL, DIETHANOL AMINE, WATER, YTTRIUM ACETATE LEFT OVER FROM COATING PROCESS.</u>		
B. EPA Hazardous Waste Code(s) <u>D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>4.98</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>4.98</u>
Site 2			
Site 3			

<b>Comments</b>	SOL GEL DEPOSITION OF YTTRIUM OXIDE. (COATING). Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description DIMETHYL SULFOXIDE, ACETONITRILE AND WATER MIXTURE.		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>135.71</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>2.72</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>132.99</u>
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste (34) 4-LITER BOTTLES CONTAINING: NON-AQUEOUS WASTE CONSISTING Description PRIMARILY OF DICHLOROMETHANE, N-METHYLPYROLIDINONE, MAY CONTAIN PRECIPITATES AND TRACE POLYSTYRENE BEADS.		
B. EPA Hazardous Waste Code(s) <u>D001</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>192.28</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>192.28</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SOLVENT WASTE GENERATED FROM HPLC AND SEC ENERGY MATERIAL ANALYSIS. THE SOLVENT WASTE IS MANUFACTURER STABILIZED TETRAHYDROFURAN AND POLYMERS. (EXAMPLES OF POLYMERS USED <del>FK-800, VITON, ESTANE, OXY 461, IRGANOX, POLYSTYRENE</del> ).		
	B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)
D. Source Code Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 UOM <u>76.94</u> Density <sup>3</sup> <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?		
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	<input type="checkbox"/> No (SKIP TO SEC. 4)	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>8.36</u>
Site 2	<u>FLD980711071</u>	<u>H141</u>	<u>51.71</u>
Site 3	<u>UTD981552177</u>	<u>H040</u>	<u>16.87</u>
<b>Comments</b>	MANUFACTURER STABILIZED TETRAHYDROFURAN USED FOR MOBILE PHASE, POLYSTYRENE STANDARDS, AND SAMPLE DILUTIONS. USED FOR HIGH PRESSURE LIQUID CHROMATOGRAPHY (HPLC) AND SIZE EXCLUSION CHROMATOGRAPHY (SEC) ENERGETIC MATERIALS ANALYSIS. Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description NITRATE SOLUTION		
B. EPA Hazardous Waste Code(s) D001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W409</u>	F. Quantity Generated in 2011 <u>403.70</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>403.70</u>
Site 2			
Site 3			

<b>Comments</b>	COVERING REILLEX HPQ POLYMER IS A CHLORIDE FORM TO A NITRATE FORM. Other organic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>HACH, ALKALINE CYANIDE REAGENT, UNUSED UNSPENT - SODIUM HYDROXIDE, SODIUM CYANIDE</u>		
B. EPA Hazardous Waste Code(s) <u>D003 D002</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.42</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.42</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE CONSISTS OF AN AQUEOUS SOLUTION WITH SODIUM HYDROXIDE, EDTA TETRASODIUM SALT, ASCORBIC ACID, AND TRACE AMOUNTS OF SODIUM SULFIDE AND LEAD NITRATE.</b>		
B. EPA Hazardous Waste Code(s) <b>D003 D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W110</u>	F. Quantity Generated in 2011 <u>20.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>20.00</u>
Site 2			
Site 3			

<b>Comments</b>	Caustic aqueous waste without cyanides( Ph >12.5) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE CONSISTS WATER (75-90%), ACIDS (10-20% OF THE FOLLOWING: HN03, HCL, H2S04, H3P04, C2H402, AND HF) AND THE METALS LISTED ON THE ATTACHED ANALYSIS.</b>		
B. EPA Hazardous Waste Code(s) <u>D008 D009 D010</u> <u>D007 D006 D005 D011 D002 D004</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W103</u>	F. Quantity Generated in 2011 <u>368.27</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>125.00</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>114.00</u>
Site 3	<u>UTD981552177</u>	<u>H141</u>	<u>129.27</u>

<b>Comments</b>	Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LANL-PDS-6 EXPIRED STANDARD		
B. EPA Hazardous Waste Code(s) D008 D010 D011 D002 D004 D005 D006 D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>125.20</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>125.20</u>
Site 2			
Site 3			

<b>Comments</b>	ANALYTICAL CHEMISTRY Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LANL-CAL-14 EXPIRED STANDARD		
B. EPA Hazardous Waste Code(s) D004 D002 D005 D006 D008 D010 D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>0.32</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.32</u>
Site 2			
Site 3			

<b>Comments</b>	ANALYTICAL CHEMISTRY Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>EXPIRED STANDARD</b>		
B. EPA Hazardous Waste Code(s) D004 D002 D005 D010 D008 D006		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>0.12</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.12</u>
Site 2			
Site 3			

**Comments**      Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description EXPIRED STANDARD SM-106-060 SOLUTION B		
B. EPA Hazardous Waste Code(s) D002 D004 D008 D006 D005 D010		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>0.20</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.20</u>
Site 2			
Site 3			

<b>Comments</b>	ANALYTICAL CHEMISTRY. Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT FERRIC CHLORIDE ETCHANT.		
B. EPA Hazardous Waste Code(s) D002 D004 D006 D007 D008 D010 D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G04</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>2,036.66</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>CAD008488025</u>	<u>H010</u>	<u>2,036.66</u>
Site 2			
Site 3			

**Comments**      Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Etching(using caustics or other methods to remove layers or partial layers) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>MULTI-ELEMENT STD, 10UG/M 250ML - NITRIC, MERCURY, SILVER, HYDROFLUORIC ACID, ARSENIC, CHROMIUM</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D004 D007</u> <u>D009</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.25</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H141</u>	<u>0.25</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN2922 WASTE CORROSIVE, LIQUID, TOXIC (ACIDS)		
B. EPA Hazardous Waste Code(s) D002 D011 D004 D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>6.62</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.62</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB STANDARD. ARSENIC AND NITRIC ACID (D002 AND D004)		
B. EPA Hazardous Waste Code(s) D002 D004		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description PRECIPITATED SOLIDS IN AQUEOUS/ACID SOLUTION. ISOTOPES & ACTIVITIES WILL BE NOTED ON CWDR.

B. EPA Hazardous Waste Code(s) D002 D005 D006  
D007 D011

C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>1.13</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  
 No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  
 Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>1.13</u>
Site 2			
Site 3			

**Comments** Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB STANDARD. BARIUM AND NITRIC ACID (D002 AND D005)		
B. EPA Hazardous Waste Code(s) D002 D005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>34.48</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>34.48</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description CORROSIVE EVAPORATOR BOTTOMS AND PROCESS DISTILLATES WITH ACTINIDE SALTS AND RCRA HEAVY METALS

B. EPA Hazardous Waste Code(s) D002 D006 D007  
D008 D009

C. State Hazardous Waste Code(s)

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>1,625.00</u> UOM <u>6</u> Density <u>1.30 spec.gra</u>	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	--------------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  
 Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011
<u>H111</u>	<u>4,996.00</u>		

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  
 No (FORM IS COMPLETE)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1			
Site 2			
Site 3			

**Comments** AQUEOUS WASTE 5% OR MORE NITRIC ACID WITH ACTINIDE SALTS AND RCRA REGULATED HEAVY METALS Other inorganic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT MULTI ELEMENT STANDARD, SUFURIC AND HDROCHLORIC ACID		
B. EPA Hazardous Waste Code(s) D002 D006 D008 D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>49.89</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> No (FORM IS COMPLETE)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

<b>Comments</b>	SPENT MULTI ELEMENT STANDARD SOLUTION CONSISTING OF INORGANIC METALS, SULFURIC ACID, HYDROCHLORIC ACID. Other inorganic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description FERRIS AMMONIUM SULFATE STANDARD 0.250 N		
B. EPA Hazardous Waste Code(s) D002 D006		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.25</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.25</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>NITRIC AND SULFURIC ACIDS WITH IRON, CHROMIUM, NICKEL, SODIUM NITRATE, AND WATER.</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D007</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G03</u> Management Method code for Source code G25	E. Form Code <u>W103</u>	F. Quantity Generated in 2011 <u>81.60</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>81.60</u>
Site 2			
Site 3			

<b>Comments</b>	Spent concentrated acid FROM:Plating and phosphating (electro- or non-electroplating or phosphating) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>SPENT INORGANIC VENTURES STANDARD LANL-CAL-13 - NITRIC, CHROMIUM</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D007</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.26</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.26</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SODIUM DICHROMATE SOLUTION WITH TITANIUM.		
B. EPA Hazardous Waste Code(s) D002 D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W103</u>	F. Quantity Generated in 2011 <u>1.30</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.30</u>
Site 2			
Site 3			

<b>Comments</b>	Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CHROMIC ACID, HYDROFLUORIC ACID, HYDROCHLORIC ACID, NITRIC ACID, WATER USED AS A CHEMICAL POLISH.</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D007</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>0.09</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.09</u>
Site 2			
Site 3			

**Comments** Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AQUEOUS ETCH SOLUTION WITH SULFURIC ACID AND CHROMIC ACID.</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D007</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>3.70</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.70</u>
Site 2			
Site 3			

**Comments** Other aqueous waste or wastewaters (fluid, not sludgy) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB STANDARD. LEAD AND NITRIC ACID (D002 AND D008)		
B. EPA Hazardous Waste Code(s) D002 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TWO GEL CELL LEAD ACID BATTERIES REMOVED FROM EMERGENCY LIGHTING CONTAMINATED WITH H3</b>		
B. EPA Hazardous Waste Code(s) <b>D002 D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G19</u></b> Management Method code for Source code G25	E. Form Code <b><u>W309</u></b>	F. Quantity Generated in 2011 <b><u>232.02</u></b> UOM <b><u>3</u></b> Density <b><u>0.00 spec.gra</u></b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>6.80</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>154.22</u>
Site 3	<u>UTD982598898</u>	<u>H132</u>	<u>71.00</u>

<b>Comments</b>	REMOVAL OF GEL CELL/GELLED OR ABSORBED BATTERIES. Batteries, battery parts, cores, casings (lead-acid or otherwise) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description FLUOROBORIC ACID WITH 60/40 TIN/LEAD.		
B. EPA Hazardous Waste Code(s) D002 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W103</u>	F. Quantity Generated in 2011 <u>3.30</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.30</u>
Site 2			
Site 3			

<b>Comments</b>	Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description BROKEN LEAD ACID BATTERY.		
B. EPA Hazardous Waste Code(s) D002 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>168.73</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>63.50</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>105.23</u>
Site 3			

**Comments** LEAD ACID BATTERY DISPOSITION CONDUCTED WITHIN WEAPONS FACILITIES OPERATION (WFO) DIVISION. Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB STANDARD. MERCURY AND NITRIC ACID (D002 AND D009)		
B. EPA Hazardous Waste Code(s) D002 D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MIXTURE OF MERCURY AND SOIL COVERED WITH WATER		
B. EPA Hazardous Waste Code(s) D002 D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W609</u>	F. Quantity Generated in 2011 <u>0.90</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.90</u>
Site 2			
Site 3			

<b>Comments</b>	DISTILLATION OF URANIUM SALTS IN MERCURY Other organic sludge (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB STANDARD. SELENIUM AND NITRIC ACID (D002 AND D010)		
B. EPA Hazardous Waste Code(s) D002 D010		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LAB STANDARD. SILVER, MOLYBDENUM, SILICON, NITRIC ACID AND TRACE HYDROFLUORIC ACID (D002 AND D011)</u>		
B. EPA Hazardous Waste Code(s) <u>D002 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description WATER WITH NITRIC ACID AND SILVER FROM METALLIC NANOPARTICLE CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code(s) D002 D011 C. State Hazardous Waste Code(s)

D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>3.62</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>3.62</u>
Site 2			
Site 3			

**Comments** Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>WATER WITH HYDROCHLORIC ACID, HYDROFLUORIC ACID, NITRIC ACID, SULFURIC ACID, PHOSPHORIC ACID AND ACETIC ACID.</u>		
B. EPA Hazardous Waste Code(s) <u>D002 F002 F003</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>2.26</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>2.26</u>
Site 2			
Site 3			

**Comments** ACIDS USED TO PROCESS AND CLEAN SAMPLES. Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description WATER WITH HYDROCHLORIC ACID, NITRIC ACID, SULFURIC ACID, PHOSPHORIC ACID AND ACETIC ACID.

B. EPA Hazardous Waste Code(s) D002 F002 C. State Hazardous Waste Code(s)

D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 <u>2.26</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>2.26</u>
Site 2			
Site 3			

**Comments** ACIDS USED TO PROCESS AND CLEAN SAMPLES. Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>UN1595 WASTE DIMETHYL SULFATE 6.1/8 ZONE B (DIMETHYSULFATE 10 ML)</u>		
B. EPA Hazardous Waste Code(s) <u>D002 U103</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description FORMIC ACID 88%		
B. EPA Hazardous Waste Code(s) D002 U123		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>33.38</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>33.38</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description HYDROFLUORIC ACID 47-51%		
B. EPA Hazardous Waste Code(s) U134 D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>2.10</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.10</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>HYDORFLUORIC ACID</b>		
B. EPA Hazardous Waste Code(s) <b>D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W105</b>	F. Quantity Generated in 2011 <b>0.02</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.02</u>
Site 2			
Site 3			

**Comments** HYDROFLUORIC ACID USED IN LABORATORY PROCESS FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization  
 Acidic aqueous wastes less than 5% acid (diluted but Ph <2)

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SMALL AMOUNT (5ML) NAOH (SODIUM HYDROXIDE) IS USED TO ELECTROCHEMICALLY ETCH SMALL METAL (TUNGSTEN OR PLATINUM) WIRES.
---------------	------------------------------------------------------------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D002	C. State Hazardous Waste Code(s)
----------------------------------------	----------------------------------

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>0.11</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)
---------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.11</u>
Site 2			
Site 3			

<b>Comments</b>	SMALL AMOUNT (5ML) NAOH (SODIUM HYDROXIDE) IS USED TO ELECTROCHEMICALLY ETCH SMALL METAL (TUNGSTEN OR PLATINUM) WIRES. Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description NITRIC ACID 35-48%WATER 50-60%CARBON 2-5%		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>8.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>8.00</u>
Site 2			
Site 3			

<b>Comments</b>	CARBON SUPPORT TREATMENT FOR CATALYST. Other inorganic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description EPOXICURE HARDENER (2 BOTTLES)		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>522.91</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>1.02</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>520.77</u>
Site 3	<u>FLD980711071</u>	<u>H121</u>	<u>0.50</u>
Site 4	<u>FLD980711071</u>	<u>H141</u>	<u>0.61</u>

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description EXPIRED STANDARD		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W103</u>	F. Quantity Generated in 2011 <u>0.12</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.12</u>
Site 2			
Site 3			

**Comments** Spent concentrated acid FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>EXPIRED STANDARD</b>		
B. EPA Hazardous Waste Code(s) <b>D002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W105</b>	F. Quantity Generated in 2011 <b>0.12</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H121</u>	<u>0.12</u>
Site 2			
Site 3			

**Comments** Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description HYDROCHLORIC ACID AND WATER SOLUTION		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W103</u>	F. Quantity Generated in 2011 <u>109.86</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>109.86</u>
Site 2			
Site 3			

<b>Comments</b>	Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ALCL3, CUBR, CUBR2, BBR3, NANO2, NA2SO4, WERE USED FOR THE PROCESS. (ALUMINUM TRICHLORIDE, COPPER (I) BROMIDE, COPPER (II) BROMIDE, BORON TRIBROMIDE, SODIUM SULFATE, SODIUM NITRITE.</u>		
B. EPA Hazardous Waste Code(s) <u>D002</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G25</u>	E. Form Code <u>W105</u>	F. Quantity Generated in 2011 UOM <u>12.70</u> Density <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>12.70</u>
Site 2			
Site 3			

**Comments** Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MOP WATER		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W110</u>	F. Quantity Generated in 2011 <u>413.49</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>413.49</u>
Site 2			
Site 3			

<b>Comments</b>	Caustic aqueous waste without cyanides( Ph >12.5) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description NON AQUEOUS WASTE CONSISTING OF PRIMARILY FERRIC CHLORIDE. X2		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>210.51</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;">X No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>165.15</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>45.36</u>
Site 3			

<b>Comments</b>	FERRIC CHLORIDE USED TO ETCH COPPER PROBE COMPONENTS. Other inorganic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description KPR STRIPPER SOLUTION (ALIPHATIC POLYESTER) WITH SULFUR.		
B. EPA Hazardous Waste Code(s) D002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>1.90</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.90</u>
Site 2			
Site 3			

<b>Comments</b>	CHEMISTRY RESEARCH OPERATIONS. Other organic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LAB TRASH (WIPES, GLOVES, SAMPLE TRAYS, PLASTIC, GLASS, ALUMINA CRUCIBLES, HEATING ELEMENTS, ETC) WITH TOXIC INTERMETALLIC COMPOUNDS, REACTIVE INTERMETALLIC COMPOUNDS, NON-TOXIC INTERMETALLIC COMPOUNDS, RARE EARTHS, AND OXIDES FROM CHEMICAL</u>		
	B. EPA Hazardous Waste Code(s) <u>D006 D007</u>		C. State Hazardous Waste Code(s) <u>D003 D004 D005</u>
D. Source Code <u>D008 D009 D010 D011</u>		E. Form Code <u>W002</u>	F. Quantity Generated in 2011 UOM <u>6.98</u> Density <u>3</u>
Management Method code for Source code G25 <u>G22</u>		G. Waste minimization code <u>X</u>	

<b>Sec. 2</b>	Was any of this waste managed on-site? <u>0.00 spec.gra</u>
<b>ON-SITE PROCESS SYSTEM 1</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011
<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>X</u> Yes (CONTINUE TO ITEM B)	C. Off-site Management Method code shipped to <u>H040</u>	D. Total quantity shipped in 2011 <u>6.98</u>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>6.98</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN3077 HAZARDOUS WASTE SOLID		
B. EPA Hazardous Waste Code(s) D007 D006 D005 D004 U044 D008 D010 D011 P012 D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>22.49</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>22.49</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB TRASH ( KIMWIPES, PAPER TOWELS, PIPETS, SYRINGES, NEEDLES, GLOVES, PLASTIC BAGS, RUBBER STOPPERS, GLASS SLIDES, Q-TIPS, ETC) WITH TOXIC METALS, TOXIC SOLVENTS, SULFIDES, ORGANIC COMPOUNDS, PHOSPHINES, OXIDES, SALTS, AMINES, AND NON-HAZA		
	B. EPA Hazardous Waste Code(s) D004 D003 D008 D007 D006 D009 D029 D022 D011 D010		C. State Hazardous Waste Code(s)
D. Source Code Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 UOM <u>148.78</u> Density <u>3</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?	
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>148.78</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LAB TRASH (KIMWIPES, PAPER TOWELS, PIPETS, SYRINGES, NEEDLES, GLOVES, PLASTIC BAGS, RUBBER STOPPERS, GLASS SLIDES, Q-TIPS, ETC.</u>		
B. EPA Hazardous Waste Code(s) <u>D003 D004 D006 D007 D008 D009 D011 D010 D029 D022</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W203</u>	F. Quantity Generated in 2011 <u>149.81</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>149.81</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>HIGH EXPLOSIVES CONTAMINATED FILTER SOCKS (CLOTH AND PAPER) GENERATED DURING HE MACHINING OPERATIONS</b>		
B. EPA Hazardous Waste Code(s) <b>D003 D030</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W002</b>	F. Quantity Generated in 2011 <b>126.65</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)</b>			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code <b>H129</b>	Quantity treated, disposed, or recycled on-site in 2011 <b>126.65</b>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X No (FORM IS COMPLETE)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

<b>Comments</b>	<b>HE FILTER SOCKS (WET). TREATED ON SITE BY OPEN BURNING</b> Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description (TNT/DNT) EXCESS HIGH EXPLOSIVES AND ASSEMBLIES CONTAINING EXPLOSIVES		
B. EPA Hazardous Waste Code(s) D030 D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W405</u>	F. Quantity Generated in 2011 <u>508.20</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <input checked="" type="checkbox"/> Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code <u>H129</u>	Quantity treated, disposed, or recycled on-site in 2011 <u>508.20</u>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> No (FORM IS COMPLETE)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

<b>Comments</b>	TREATED ON SITE BY OPEN DETONATION. Explosives or reactive organic solids FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CYANIDE. KIM WIPES AND FIBER FILTERS CONTAMINATED WITH A CYANIDE ELECTROPLATING BATH.</u>		
B. EPA Hazardous Waste Code(s) <u>D003 F008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G03</u> Management Method code for Source code G25	E. Form Code <u>W312</u>	F. Quantity Generated in 2011 <u>0.75</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.75</u>
Site 2			
Site 3			

<b>Comments</b>	Cyanide or metal cyanide bearing solids, salts or chemicals FROM:Plating and phosphating (electro- or non-electroplating or phosphating) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SEL-REX, CYANIDE		
B. EPA Hazardous Waste Code(s) P030 D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>1.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.00</u>
Site 2			
Site 3			

**Comments** Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CYANOGEN BROMIDE-ACTIVATED SEPHAROSE 6MB		
B. EPA Hazardous Waste Code(s) D003 U246		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.11</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.11</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>HE CONTAMINATED DEBRIS</b>		
	B. EPA Hazardous Waste Code(s) <b>D003</b>	C. State Hazardous Waste Code(s)	
	D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W002</b>	F. Quantity Generated in 2011 <b>15.06</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>
			G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)</b>			
	<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
	On-site Management Method code <b>H129</b>	Quantity treated, disposed, or recycled on-site in 2011 <b>15.06</b>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X No (FORM IS COMPLETE)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

**Comments** TREATED ON SITE BY OPEN BURNING. HE CONTAMINATED WIPES AND RAGS Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB TRASH CONTAMINATED WITH LITHIUM HYDRIDE AND TMAB.		
B. EPA Hazardous Waste Code(s) D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>0.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.80</u>
Site 2			
Site 3			

<b>Comments</b>	PARYLENE COATING RESEARCH Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description EXCESS HIGH EXPLOSIVES FROM R&D AND/OR PRODUCTION OPERATIONS		
B. EPA Hazardous Waste Code(s) D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W405</u>	F. Quantity Generated in 2011 <u>2,506.70</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <input checked="" type="checkbox"/> Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code <u>H129</u>	Quantity treated, disposed, or recycled on-site in 2011 <u>2,506.70</u>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> No (FORM IS COMPLETE)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

<b>Comments</b>	TREATED ON SITE BY OPEN BURNING. EXCESS CHNO EXPLOSIVES (NO TNT) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization	Explosives or reactive organic solids
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description HG ABSORB, ZINC GRANUALES @94-96%, CITRIC ACID @4-6%		
B. EPA Hazardous Waste Code(s) D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>39.66</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>1.99</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>37.67</u>
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description DODECANE WITH TETRAMETHYLAMMONIUM BOROHYDRIDE		
B. EPA Hazardous Waste Code(s) D003		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.80</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>DEBRIS LEGACY WASTE CONTAINERS GENERATED THROUGHOUT THE LABORATORY.</u>		
B. EPA Hazardous Waste Code(s) <u>D003</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>539.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>152.60</u>
Site 2			
Site 3			

**Comments** LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>INORGANIC SOLIDS FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D006 D005 D004 D019 D009 D010 D011 D018 D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G11</u></b> Management Method code for Source code G25	E. Form Code <b><u>W319</u></b>	F. Quantity Generated in 2011 <b><u>54.20</u></b> UOM <b><u>1</u></b> Density <b><u>0.00 spec.gra</u></b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X No (FORM IS COMPLETE)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

**Comments** D021 D022 D035 D038 D039 D040 F001 F002 F003 F005. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D006 D005 D004 D008 D019 D018 D011 D010 D009</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W609</b>	F. Quantity Generated in 2011 <b>6,495.08</b> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>5,418.00</u>
Site 2			
Site 3			

<b>Comments</b>	D021 D022 D035 D038 D039 D040 F001 F002 F003 F005 Other organic sludge (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>PLUTONIUM RECOVERY, R&amp;D PROCESSES AND FACILITY AND EQUIPMENT OPERATIONS AND MAINTENANCE.</u>		
B. EPA Hazardous Waste Code(s) <u>D004 D005 D006 D007 D019 D011 D010 D009 D008 D018</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>15,005.68</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>WAR000010355</u>	<u>H112</u>	<u>15,005.68</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>RCRA CONTAMINATED DEBRIS FROM HAZARD AND FOOTPRINT REDUCTION ACTIVITIES, AS WELL PROGRAMMATIC ANALYTICAL AND R/D PROCESSES.</u>		
B. EPA Hazardous Waste Code(s) <u>D009 D010 D011 D018 D019 D004 D005 D006 D007 D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>1,080.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>337.20</u>
Site 2			
Site 3			

<b>Comments</b>	D021 D022 D026 D027 D028 D029 D030 D035 D036 D037 D038 D039 D040 D043 F001 F002 F004 F005. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM LABORATORY ANALYTICAL WASTES</u>		
B. EPA Hazardous Waste Code(s) <u>D006 D005 D021 D019 D018 D011 D010 D009 D007 D004</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W609</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>3.80</u>
Site 2			
Site 3			

<b>Comments</b>	D022 D035 D038 D039 D040 F001 F002 F003 F005 - SHIPPED TO WIPP Other organic sludge (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.

B. EPA Hazardous Waste Code(s) D004 D019 D018 D011 D021 D009 D007 D006 D005 D010

C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>22.00</u>
Site 2			
Site 3			

**Comments** D022 D035 D038 D039 D040 F001 F002 F003 F005 - SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description FOAM TRACER		
B. EPA Hazardous Waste Code(s) D008 D005 D004 D010		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>11.34</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>11.34</u>
Site 2			
Site 3			

<b>Comments</b>	EXPLOSIVE TESTING ACTIVITIES AT DARHT Other inorganic solids (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM LABORATORY ANALYTICAL WASTES</b>		
B. EPA Hazardous Waste Code(s) <b>D006 D004 D007 D008 F005 D010 D011 F002 D009</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W204</b>	F. Quantity Generated in 2011 <b>1.13</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>1.13</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE IS FROM NONROUTINE MAITENANCE OF TA-50, BLG-201.		
B. EPA Hazardous Waste Code(s) D006 D004 D007 D010 D009 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>58.80</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PIPETTES, GLASS SLIDES, GLASS VIALS, FILTER PAPER, LINT-FREE CLOTHES, PIECES OF SILICON, GALLIUM NITRIDE AND INDIUM TIN OXIDE.		
B. EPA Hazardous Waste Code(s) D004 D006 D007 D008 F005 F002 D022 D011 D010		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? X No (SKIP TO SEC. 3)		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>7.25</u>
Site 2			
Site 3			
<b>Comments</b>	PIPETTES (GLASS AND PLASTIC) WILL BE USED TO DISPENSE HEXANE, TOLUENE, THF, PYRIDINE AND CHLOROFORM SOLUTIONS CONTAINING NANOCRYSTALS ONTO SUBSTRATES. PIPETTES ARE USED TO DISPENSE RESIST (SU, AZ AND NXR) ONTO SUBSTRATES. Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>AQUEOUS WASTE OR WASTEWATERS (FLUID BUT NOT SLUDGE) FROM LABORATORY ANALYTICAL WASTES</u>		
B. EPA Hazardous Waste Code(s) <u>D004 D006 D007</u> <u>D008 D010 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>18.14</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>18.14</u>
Site 2			
Site 3			

**Comments** Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>STERILE GROWTH MEDIA CONTAINING ONE OR MORE OF THE FOLLOWING: PALLADIUM, ARSENIC, CADMIUM, MERCURY, SILVER, COPPER, ZINC, GOLD, LEAD.</b>		
B. EPA Hazardous Waste Code(s) <u>D004 D006 D008</u> <u>D009 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W101</u>	F. Quantity Generated in 2011 <u>5.44</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>5.44</u>
Site 2			
Site 3			

<b>Comments</b>	Very dilute aqueous waste containing more than 99% water (Land Ban defined wastewater, not exempted) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description COMBUSTIBLE DEBRIS OVER PACKED INTO 85 GALLON DRUM		
B. EPA Hazardous Waste Code(s) D004 D007 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>28.20</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H112</u>	<u>28.20</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ORGANIC ACIDS SALTS IN SOLUTION		
B. EPA Hazardous Waste Code(s) D004 D007 F002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W202</u>	F. Quantity Generated in 2011 <u>10.88</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>10.88</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated (E.G. chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description NEUTRALIZED AND ABSORBED SULFRIC ACID WITH ABSORBENT PADS.		
B. EPA Hazardous Waste Code(s) D004 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G32</u> Management Method code for Source code G25	E. Form Code <u>W310</u>	F. Quantity Generated in 2011 <u>2.94</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.94</u>
Site 2			
Site 3			

<b>Comments</b>	Filters, solid adsorbents, ion exchange resins and spent carbon (usually from remediation, production, o FROM:Cleanup of spill residues Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ARESENIC REFERENCE STANDARD SOLUTION - ARSENIC TRIOXIDE		
B. EPA Hazardous Waste Code(s) D004 P012		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CLASS 6.1 ORGANIC SOLID		
B. EPA Hazardous Waste Code(s) D004 U136		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.99</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.99</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description BDT 510 SOLUTION WITH ARSENIC		
B. EPA Hazardous Waste Code(s) D004		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>31.43</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>31.43</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SOIL POTENTIALLY CONTAINING ARSENIC		
B. EPA Hazardous Waste Code(s) D004		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W301</u>	F. Quantity Generated in 2011 <u>8,810.39</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>WAR000010355</u>	<u>H112</u>	<u>1,453.00</u>
Site 2	<u>WAR000010355</u>	<u>H129</u>	<u>7,357.39</u>
Site 3			

**Comments** SOIL THAT WAS EXCAVATED FROM THE ACID WELL REMOVAL PROCESS IN THE DP WEST PLUTONIUM FACILITY DECONTAMINATION PROJECT 1978-1981. Contaminated soil (usually from remediation, demolition, or cleaning) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description INORGANIC SOLIDS FROM LABORATORY ANALYTICAL WASTES		
B. EPA Hazardous Waste Code(s) D004		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>2.72</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.72</u>
Site 2			
Site 3			

<b>Comments</b>	SAMPLES WILL BE CUT AND SHAPED, USING A WIRE MACHINE. THEN THE SAMPLE WILL GO THROUGH A SANDING PROCESS. Other inorganic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRITIUM CONTAMINATED. TRANSURANIC RCRA HAZARDOUS DEBRIS WASTE. INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D009 D010 D011 D007 D006 D005 D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G11</u></b> Management Method code for Source code G25		E. Form Code <b><u>W319</u></b>	F. Quantity Generated in 2011 <b><u>367.20</u></b> UOM <b><u>1</u></b> Density <b><u>0.00 spec.gra</u></b>
			G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>26.80</u></b>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>HETEROGENEOUS WASTE WITH BERYLLIUM GREATER THAN 1 PERCENT BY NET WEIGHT OF THE WASTE MATRIX. GROUP B FOR EPA HWNS.</b>		
B. EPA Hazardous Waste Code(s) <b>D005 D006 D007 D009 D010 D011 D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G19</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>1,138.10</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X No (FORM IS COMPLETE)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

<b>Comments</b>	TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM FROM: Other one-time or intermittent processes(specify in comments) Waste Min: No minimization	Other inorganic solids (specify in comments)
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>BERYLLIUM CONTAMINATED. TRANSURANIC RCRA HAZARDOUS DEBRIS WASTE.</b>		
B. EPA Hazardous Waste Code(s) <b>D005 D006 D008 D007 D009 D010 D011</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W316</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>55.80</u>
Site 2			
Site 3			

<b>Comments</b>	Metal salts or chemicals not containing cyanides FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D005 D011 D010 D009 D008 D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>8,429.23</b> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>6,889.96</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D006 D005 D011 D021 D009 D008 D007 D039</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>21.00</u></b>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>F001 D009 D006</b> <b>D007 D008 D005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>59.70</u></b>
Site 2			
Site 3			

<b>Comments</b>	<b>SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations))</b>	<b>Other inorganic solids Waste Min: No minimization</b>
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.</u>		
B. EPA Hazardous Waste Code(s) <u>D008 D005 D006</u> <u>D009 D007</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>95.20</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.

B. EPA Hazardous Waste Code(s) D009 D005 D006  
D007 D008

C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  
 No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  
 Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>170.60</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.</u>		
B. EPA Hazardous Waste Code(s) <u>D008 D007 D006</u> <u>D005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>40.00</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>GENERAL LAB TRASH (PAPER, GLOVES, PLASTIC, GLASS, ETC.) CONTAMINATED WITH FISSION PRODUCTS; WILL CONTAIN BA, CR AND AG AND CD.</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D011 D006</b> <b>D005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G19</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>9.07</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD982598898</u>	<u>H132</u>	<u>9.07</u>
Site 2			
Site 3			

**Comments** GENERAL LAB TRASH (PAPER, GLOVES, PLASTIC, GLASS, ETC.) CONTAMINATED WITH FISSION PRODUCTS; WILL CONTAIN BA, CR AND AG AND CD. Other inorganic solids (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB TRASH INCLUDING PAPER, PLASTIC, WOOD, GLASS SANDPAPER, ETC., WITH TOXIC METALS, NONHAZARDOUS METALS, TRACE SOLVENTS AND LUBRICANTS FROM PREPARING, CLEANING, AND DEGREASING SAMPLES.		
B. EPA Hazardous Waste Code(s) <u>D005 D007 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G25</u>	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 UOM <u>5.51</u> Density <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>5.51</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization FROM: Laboratory

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CLASS 6.1 INORGANIC SOLIDS		
B. EPA Hazardous Waste Code(s) D005 D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.11</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.11</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE IS LAB TRASH (GLOVES, WIPES, SANDPAPER, ETC) THAT IS CONTAMINATED WITH SOLID OR POWDERED MERCURY-BARIUM-CALCIUM-COPPER-OXIDE.</b>		
B. EPA Hazardous Waste Code(s) <b>D005 D009</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><b>X No (SKIP TO SEC. 3)</b></p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H141</u>	<u>0.00</u>
Site 2			
Site 3			

<b>Comments</b>	SAMPLE PREP Other inorganic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LAB TRASH CONTAMINATED WITH A MIXTURE OF SOLVENTS (METHANOL, ETHANOL, ISOPROPANOL, ACETONE), AZ 5214-E PHOTORESIST, NON-PCB OIL AND GREASE, CRESOL MIX, SILVER, YTTRIUM-BARIUM-COPPER OXIDE (YBCO) .</u>		
B. EPA Hazardous Waste Code(s) <u>D005 D011 D026</u>		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 UOM <u>0.54</u> Density <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> <b>Yes (CONTINUE TO ITEM B)</b>	<input type="checkbox"/> <b>No (SKIP TO SEC. 4)</b>	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.54</u>
Site 2			
Site 3			

**Comments** PHOTOLITHOGRAPHY OPERATIONS. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description **WASTE IS VACUUM CLEANER BAGS CONTAINING VARIOUS METAL OXIDES FROM CLEANING PROCESS CHAMBER.**

B. EPA Hazardous Waste Code(s) D005 D011 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

**Comments** WASTE IS VACUUM CLEANER BAGS CONTAINING VARIOUS METAL OXIDES FROM CLEANING PROCESS CHAMBER. Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>SOLID WASTE ASSOCIATED WITH THE SYNTHESIS/PURIFICATION OF TRANSITION METAL/MAIN GROUP COMPOUNDS (MOSTLY, VIALS, PIPETTES, KIMWIPES, ETC). MAY ALSO BE CONTAMINATED WITH TRACE AMOUNTS OF HAZARDOUS CHEMICALS.</b>		
B. EPA Hazardous Waste Code(s) <b>D005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b>	E. Form Code <b>W002</b>	F. Quantity Generated in 2011 UOM <b>19.05</b> Density <sup>3</sup> <b>0.00 spec. gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>9.07</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>9.97</u>
Site 3			

**Comments** WASTE RESULTS FROM SYNTHESIS AND PURIFICATION OF TRANSITION METAL AND MAIN GROUP COMPNDS. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description OIL FILTER WITH TL011 OIL (OIL HAS BARIUM SALTS)		
B. EPA Hazardous Waste Code(s) D005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.01</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.01</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description OXIDE FOR SIMULATED FUEL PELLETS		
B. EPA Hazardous Waste Code(s) D005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.01</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.01</u>
Site 2			
Site 3			

<b>Comments</b>	VARIOUS OXIDES FOR SIMULATED FUEL PELLETS. Other inorganic solids (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description BARIUM HYDROXIDE & WATER LEFT OVER FROM CLEANING CRUCIBLES.  
ALSO CONTAINS LIMITED AMOUNTS OF YTTRIUM & COPPER.

B. EPA Hazardous Waste Code(s) D005 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>9.52</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>9.52</u>
Site 2			
Site 3			

**Comments** REACTION OR BARIUM W/WATER FOR CLEANING CRUCIBLES. Other inorganic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description **TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.**

B. EPA Hazardous Waste Code(s) F001 F002 F003  
D009 D008 F005 D006 D007

C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  
 No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  
 Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>114.80</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.</u>		
B. EPA Hazardous Waste Code(s) <u>D009 D007 D006</u> <u>D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W316</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>71.20</u>
Site 2			
Site 3			

<b>Comments</b>	Metal salts or chemicals not containing cyanides FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT ZINC SULFATE.		
B. EPA Hazardous Waste Code(s) D010 D006 D007 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G23</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>281.22</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  <p style="text-align: center;"><input checked="" type="checkbox"/> No (FORM IS COMPLETE)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			
<b>Comments</b>	CONCENTRATED NITRIC ACID WITH LOW-LEVEL ACTIVITY OF GROSS ALPHA WAS ELECTROLYTICALLY REDUCED TO NITROGEN GAS USING SULFURIC ACID. ZINC DUST WAS USED AS THE REDUCING AGENT. Other inorganic solids (specify in comments) FROM:Wastewater treatment (sludge, filter cake, etc including wastes from treatment before POTW, NPDES or UIC disposal) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D008 D011</b> <b>D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W307</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>43.40</u></b>
Site 2			
Site 3			

**Comments** Metal scale, filings and scrap (including metal drums) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D008 D011 D007</b> <b>D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W316</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>41.40</u></b>
Site 2			
Site 3			

**Comments** Metal salts or chemicals not containing cyanides FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D008 D011</b> <b>D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G19</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>15.40</u></b>
Site 2			
Site 3			

<b>Comments</b>	<b>SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Other one-time or intermittent processes(specify in comments) Waste Min: No minimization</b>
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <u>D006 D007 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>5.60</u>
Site 2			
Site 3			

<b>Comments</b>	Metal scale, filings and scrap (including metal drums) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE STREAM IS TRU RADIOACTIVE WASTE GENERATED BY THE TREATMENT PROCESS OF CAUSTIC AND ACIDIC WASTE GENERATED FROM THE RLWTF.</b>		
B. EPA Hazardous Waste Code(s) <b>D006 D007</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G09</u></b> Management Method code for Source code G25	E. Form Code <b><u>W319</u></b>	F. Quantity Generated in 2011 <b><u>0.00</u></b> UOM <b><u>1</u></b> Density <b><u>0.00</u> spec.gra</b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><b>X No (SKIP TO SEC. 3)</b></p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>1,344.00</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ABSORBENT MATERIALS (RAGS, KIMWIPES, TERITOWELS, Q-TIPS &amp; SPILL SOCKS) CONTAMINATED W/FERRIC CHLORIDE ETCHER, SODIUM HYDROXIDE, HYDROCHLORIC ACID, ETHANOL, AND ANTI-FOAMING AGENT.</u>		
B. EPA Hazardous Waste Code(s) <u>D007 D006</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W310</u>	F. Quantity Generated in 2011 <u>53.07</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>53.07</u>
Site 2			
Site 3			

<b>Comments</b>	Filters, solid adsorbents, ion exchange resins and spent carbon (usually from remediation, production, or analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE STREAM IS TRU RADIOACTIVE WASTE GENERATED BY THE TREATMENT PROCESS OF CAUSTIC AND ACIDIC WASTE GENERATED FROM THE RLWTF.</b>		
B. EPA Hazardous Waste Code(s) <b>D006 D007</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G25</b> Management Method code for Source code G25 <b>H129</b>	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>5,966.00</u></b>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Hazardous waste management - indicate management method (residuals from regulated HW treatment processes - show the H code) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTEWATER TREATMENT SLUDGE CONTAINING ACTINIDES AND RCRA HEAVY METALS</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G23</b> Management Method code for Source code G25	E. Form Code <b>W504</b>	F. Quantity Generated in 2011 <b>136.00</b> UOM <b>6</b> Density <b>1.07 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)</b>			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code <b>H111</b>	Quantity treated, disposed, or recycled on-site in 2011 <b>416.00</b>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X No (FORM IS COMPLETE)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			

**Comments** Other sludges (from wastewater treatment or air pollution control). FROM:Wastewater treatment (sludge, filter cake, etc including wastes from treatment before POTW, NPDES or UIC disposal) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>ELECTRONICS WHICH HAVE LEAD SOLDER, SILVER AND CADMIUM, ALSO PIPE THAT CONTAINS LEAD SOLDER, LEAD SHIELDING.</u>		
B. EPA Hazardous Waste Code(s) <u>D006 D011 D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>2,848.30</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>1,867.01</u>
Site 2	<u>UTD982598898</u>	<u>H132</u>	<u>80.78</u>
Site 3	<u>FLD980711071</u>	<u>H141</u>	<u>63.50</u>

<b>Comments</b>	ELECTRONICS WHICH HAVE LEAD SOLDER, SILVER AND CADMIUM, ALSO PIPE THAT CONTAINS LEAD SOLDER, LEAD SHIELDING. Other inorganic solids (specify in comments) FROM: Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CLEAN UP/HAZ REDUCTION OF SOLDER WASTE THROUGH OUT THE CMR FACILITY</u>		
B. EPA Hazardous Waste Code(s) <u>D006 D008 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>308.44</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>115.66</u>
Site 2	<u>UTD982598898</u>	<u>H132</u>	<u>192.78</u>
Site 3			

<b>Comments</b>	<u>CLEAN UP/HAZ REDUCTION OF SOLDER WASTE THROUGH OUT THE CMR FACILITY</u> Other inorganic solids (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description COPPER TUBING WITH LEAD AND LEADED GLOVES		
B. EPA Hazardous Waste Code(s) D006 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>732.43</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>165.50</u>
Site 2	<u>FLD980711071</u>	<u>H111</u>	<u>143.33</u>
Site 3	<u>UTD982598898</u>	<u>H132</u>	<u>423.60</u>

<b>Comments</b>	ROUTINE MAINTENANCE AND HOUSEKEEPING Metal scale, filings and scrap (including metal drums) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste MLLW SOIL, MDAB, BIN #GFLU 001129, TA-54, NO ASBESTOS, (50 PPM Description PCB. B		
B. EPA Hazardous Waste Code(s) <u>D006 D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G42</u> Management Method code for Source code G25	E. Form Code <u>W301</u>	F. Quantity Generated in 2011 <u>11,654.34</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD982598898</u>	<u>H132</u>	<u>11,654.34</u>
Site 2			
Site 3			

**Comments** Contaminated soil (usually from remediation, demolition, or cleaning) FROM: Corrective action at a solid waste management unit under RCRA Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT NICKEL-CADMIUM BATTERIES REMOVED FROM ELECTRONICS AND EQUIPMENT AT CMR.
---------------	-------------------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D006	C. State Hazardous Waste Code(s)
----------------------------------------	----------------------------------

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W309</u>	F. Quantity Generated in 2011 <u>8.61</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>
---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>8.61</u>
Site 2			
Site 3			

<b>Comments</b>	Batteries, battery parts, cores, casings (lead-acid or otherwise) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.</b>		
B. EPA Hazardous Waste Code(s) <b>D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>28.10</u></b>
Site 2			
Site 3			

<b>Comments</b>	<b>SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations))</b>	<b>Other inorganic solids Waste Min: No minimization</b>
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE IS LAB TRASH (GLOVES, WIPES, SAND PAPER, ETC) CONTAMINATED WITH DICHLORONICKEL TETRAKIS THIOUREA WITH BROMINE AND CADMIUM IMPURITIES. PIPERIDINIUM-COPPER BROMINE.</b>		
B. EPA Hazardous Waste Code(s) <b>D006</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G22</u></b> Management Method code for Source code G25	E. Form Code <b><u>W319</u></b>	F. Quantity Generated in 2011 <b><u>0.02</u></b> UOM <b><u>3</u></b> Density <b><u>0.00</u></b> spec.gra	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><b>X</b> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X</b> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.02</u>
Site 2			
Site 3			

<b>Comments</b>	SAMPLE PREP Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CONCENTRATED HALOGENATED SOLVENT FROM PRODUCTION OR SERVICE-RELATED PROCESSES
---------------	-------------------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D007 D008 F001 D009	C. State Hazardous Waste Code(s)
----------------------------------------------------------	----------------------------------

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W609</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)
---------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>141,869.58</u>
Site 2			
Site 3			

<b>Comments</b>	LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic sludge (specify in comments) FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.</b>		
B. EPA Hazardous Waste Code(s) <b>D007 D008 D009</b>  <b>F001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25		E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>1</u> Density <u>0.00</u> spec.gra
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>2,830.50</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE FORM: WASTE CONSISTS OF USED CHLORIDE SALTS FROM PYROCHEMICAL PROCESSES SUCH AS ELECTROREFINING, MOLTEN SALT EXTRACTION, SALT STRIPPING, FLUORIDE REDUCTION, DIRECT OXIDE REDUCTION ETC.</b>		
B. EPA Hazardous Waste Code(s) D008 D007 D009		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>0.00</u> Density <u>1</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> <b>Yes (CONTINUE TO ITEM B)</b>	<input type="checkbox"/> <b>No (SKIP TO SEC. 4)</b>	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>641.80</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description GENERAL LAB TRASH WHICH INCLUDES RUBBER GLOVES, KIM WIPES, BERYLLIUM DISKS, AND Q-TIPS.

B. EPA Hazardous Waste Code(s) D007 D008 D011 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.11</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.11</u>
Site 2			
Site 3			

**Comments** BERYLLIUM FOILS WILL BE CLEANED AND MOUNTED ON TO A CELL. Other inorganic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE FORM: WASTE CONSISTS OF USED CHLORIDE SALTS FROM PYROCHEMICAL PROCESSES SUCH AS ELECTROREFINING, MOLTEN SALT EXTRACTION, SALT STRIPPING, FLUORIDE REDUCTION, DIRECT OXIDE REDUCTION ETC.</b>		
B. EPA Hazardous Waste Code(s) D007 D008		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>0.00</u> Density <u>1</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> <b>Yes (CONTINUE TO ITEM B)</b>	<input type="checkbox"/> <b>No (SKIP TO SEC. 4)</b>	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>41.00</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.</u>		
B. EPA Hazardous Waste Code(s) <u>D007 D040 D009 D022</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G07</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>114.80</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Product and by-product processing (direct flow of wastes from Chemical manufacturing or processing, etc.) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE FORM: WASTE CONSISTS OF USED CHLORIDE SALTS FROM PYROCHEMICAL PROCESSES SUCH AS ELECTROREFINING, MOLTEN SALT EXTRACTION, SALT STRIPPING, FLUORIDE REDUCTION, DIRECT OXIDE REDUCTION ETC.		
	B. EPA Hazardous Waste Code(s) <u>D007 D009</u>		C. State Hazardous Waste Code(s)
D. Source Code Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>0.00</u> Density <u>1</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?		
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>89.50</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>SOLID TRASH FROM LABORATORY RESEARCH EXPERIMENTS, INCLUDING GLASS VIALS, PIPETS, PAPER TOWELS, PLASTIC, LATEX, METAL, SILICA GEL, MOLECULAR SIEVES. ALL CONTAMINATED WITH RESIDUAL ORGANIC SOLVENTS AND TRANSITION METAL COMPLEXES.</b>		
B. EPA Hazardous Waste Code(s) F002 D036 D022		C. State Hazardous Waste Code(s) D007 D011 F005	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>25.85</u> Density <u>3</u> <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		X <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	X <b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>25.85</u>
Site 2			
Site 3			
<b>Comments</b>	SOLID TRASH FROM LABORATORY RESEARCH EXPERIMENTS, INCLUDING GLASS VIALS, PIPETS, PAPER TOWELS, PLASTIC, LATEX, METAL, SILICA GEL, MOLECULAR SIEVES. ALL CONTAMINATED WITH RESIDUAL ORGANIC SOLVENTS AND TRANSITION METAL COMPLEXES. Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>CHROMIUM AND SILVER COMPOUND CONTAMINATED TRASH. (SEE ADDITIONAL INFORMATION)</b>		
B. EPA Hazardous Waste Code(s) <u>D007 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>2.26</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.26</u>
Site 2			
Site 3			

**Comments** PERKIN ELMER 2400 CHN ANALYSIS (CARBON, HYDROGEN & NITROGEN ANALYSIS). REAGENTS USED THE COMBUSTION AND REDUCTION TUBES IN THE CHN INSTRUMENT Other inorganic solids (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CONCENTRATED HALOGENATED SOLVENT FROM PRODUCTION OR SERVICE-RELATED PROCESSES
---------------	-------------------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D007 F002 F001	C. State Hazardous Waste Code(s)
--------------------------------------------------	----------------------------------

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W609</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>
---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>2,911.55</u>
Site 2			
Site 3			

<b>Comments</b>	LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic sludge (specify in comments) FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description SODIUM HYDROXIDE CONTAMINATED WITH NITRIC ACID, SULFURIC ACID, IRON, CHROMIUM, NICKEL, SODIUM NITRATE, AND GLYCERIN MOLECULE FRAGMENTS.

B. EPA Hazardous Waste Code(s) D007 C. State Hazardous Waste Code(s)

D. Source Code <u>G03</u> Management Method code for Source code G25	E. Form Code <u>W316</u>	F. Quantity Generated in 2011 <u>21.20</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>21.20</u>
Site 2			
Site 3			

**Comments** Metal salts or chemicals not containing cyanides FROM:Plating and phosphating (electro- or non-electroplating or phosphating)  
Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CHROMIUM REFERENCE STANDARD SOLUTION		
B. EPA Hazardous Waste Code(s) D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.20</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.20</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTIING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.</u>		
	B. EPA Hazardous Waste Code(s) <u>D007</u>	C. State Hazardous Waste Code(s)	
	D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>			
	<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>64.40</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description EXHAUST STACK RESIDUE		
B. EPA Hazardous Waste Code(s) D007		C. State Hazardous Waste Code(s)	
D. Source Code <u>G13</u> Management Method code for Source code G25	E. Form Code <u>W316</u>	F. Quantity Generated in 2011 <u>18.14</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>18.14</u>
Site 2			
Site 3			

**Comments** Metal salts or chemicals not containing cyanides FROM: Cleaning out process equipment (periodic sludge or residual removal from enclosed processes including internal scrubbing or cleaning) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description EXPERIMENTAL LABORATORY WORK THAT INCLUDES ROUTINE CLEANING OF INSTRUMENTS, CONTACT WASTE MAY ALSO BE USED TO CONTROL POSSIBLE SPILLS AND LEAKS.

B. EPA Hazardous Waste Code(s) D008 D035 D009 D018

C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>6.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>ARD069748192</u>	<u>H040</u>	<u>6.80</u>
Site 2			
Site 3			

**Comments** EXPERIMENTAL LABORATORY WORK THAT INCLUDES ROUTINE CLEANING OF INSTRUMENTS, CONTACT WASTE MAY ALSO BE USED TO CONTROL POSSIBLE SPILLS AND LEAKS. Other inorganic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description 1.5GAL POLY OF HG		
B. EPA Hazardous Waste Code(s) D008 D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W117</u>	F. Quantity Generated in 2011 <u>1.10</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD982598898</u>	<u>H132</u>	<u>1.10</u>
Site 2			
Site 3			

<b>Comments</b>	HG WAS DISCOVERED IN A P-TRAP SECTION OF PIPE DURING DEMOLITION OF A BUILDING AT TA-21 Waste liquid mercury ( metallic ) FROM:Other one-time or intermittent processes(specify in comments) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>GENERAL LAB TRASH FROM SAMPLE PREP &amp; EQUIPMENT MAINTNANCE THAT IS CONTAMINATED WITH SOLVENTS, DEGREASERS, EPOXIES, FOAM, SHARPS, VARNISH, HAZ METALS AND ACID FLUXES FROM HIGH MAGNETIC FIELD RESEARCH OPERATIONS. (REPLACES WPF 34412).</b>		
B. EPA Hazardous Waste Code(s) D011 F005 F002 D008		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 UOM <u>48.48</u> Density <u>3</u> <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	<input type="checkbox"/> No (SKIP TO SEC. 4)	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>48.48</u>
Site 2			
Site 3			

<b>Comments</b>	GENERAL LAB TRASH FROM SAMPLE PREP & EQUIPMENT MAINTNANCE THAT IS CONTAMINATED WITH SOLVENTS, DEGREASERS, EPOXIES, FOAM, SHARPS, VARNISH, HAZ METALS AND ACID FLUXES FROM HIGH MAGNETIC FIELD RESEARCH OPERATIONS. (REPLACES WPF 34412). Concentrated halogenated/ non-halogenated solvent mixture FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SILVER SOLDER - LEAD		
B. EPA Hazardous Waste Code(s) D008 D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.49</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.49</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TRITIUM CONTAMINATED FREEZER REMOVED FROM GLOVEBOX.		
B. EPA Hazardous Waste Code(s) D008 D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>20.86</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>20.86</u>
Site 2			
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>TRACE AMOUNTS OF SILVER, LEAD, GOLD, COPPER, TIN, ABRASIVE GRIT WITH WATER.</u>		
B. EPA Hazardous Waste Code(s) <u>D008 D011</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>24.85</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>24.85</u>
Site 2			
Site 3			

**Comments** POLISHING SOLDER METALS WITH AN ABRASIVE GRIT MATERIAL WITH WATER. ALL WASTE IS DISCHARGED DIRECTLY INTO AN APPROVED 5-GALLON CONTAINER. Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MLLW NON-COMPACTIBLE ITEMS		
B. EPA Hazardous Waste Code(s) D011 D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>27.03</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>27.03</u>
Site 2			
Site 3			

**Comments** MLLW GENERATED DURING ROUTINE MAINTENANCE ON EMERGENCY LIGHTING AND SPRINKLER SYSTEMS IN THE PROTON STORAGE RING (PSR), BLUE ROOM, AND ACCELERATOR BEAM TUNNEL. Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT BLASOCUT		
B. EPA Hazardous Waste Code(s) D033 D043 D028 D019 D018 D008 D032		C. State Hazardous Waste Code(s)	
D. Source Code <u>G07</u> Management Method code for Source code G25	E. Form Code <u>W205</u>	F. Quantity Generated in 2011 <u>674.95</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>674.95</u>
Site 2			
Site 3			

**Comments** Oil-water emulsion or mixture (fluid, not sludgy) FROM:Product and by-product processing (direct flow of wastes from Chemical manufacturing or processing, etc.) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE OIL		
B. EPA Hazardous Waste Code(s) D028 D008 D018		C. State Hazardous Waste Code(s)	
D. Source Code <u>G16</u> Management Method code for Source code G25	E. Form Code <u>W206</u>	F. Quantity Generated in 2011 <u>147.59</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>113.79</u>
Site 2	<u>FLD980711071</u>	<u>H141</u>	<u>33.80</u>
Site 3			

<b>Comments</b>	Waste oil managed as hazardous waste FROM: Oil changes and filter or battery replacement (automotive, etc) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.</u>		
B. EPA Hazardous Waste Code(s) <u>D022 D008 D040</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>174.00</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Metal scale, filings and scrap (including metal drums) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>GLOVES (PLASTIC, RUBBER), PLASTIC BAGS, TAPE, PAPER, PLASTIC CONTAINERS, TISSUES, TOWELS (COMBUSTABLES).</u>		
B. EPA Hazardous Waste Code(s) <u>F001 F002 D043</u> <u>F005 D008 D022</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G13</u> Management Method code for Source code G25	E. Form Code <u>W409</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>46.00</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic solids (specify in comments) FROM: Cleaning out process equipment (periodic sludge or residual removal from enclosed processes including internal scrubbing or cleaning) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>CONCENTRATED HALOGENATED SOLVENT FROM PRODUCTION OR SERVICE-RELATED PROCESSES</b>		
B. EPA Hazardous Waste Code(s) <b>D008 F001 F002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W609</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>100.80</u></b>
Site 2			
Site 3			

**Comments** LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic sludge (specify in comments) FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>NON-COMBUSTIBLE WASTE, CONSISTING OF ENVIRONSTONE CEMENT, PORTLAND CEMENT, CHLORIDE SALTS, AND SOLIDIFIED ORGANIC LIQUIDS WITH BRINE FROM THE ACTINIDE WASTE SOURCE TERM TEST PROJECT.</b>		
B. EPA Hazardous Waste Code(s) <p style="text-align: center;">D008 F002 F005</p>		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <p style="text-align: center;"><u>W609</u></p>	F. Quantity Generated in 2011 UOM <u>0.00</u> Density <u>1</u> <p style="text-align: center;"><u>0.00 spec. gra</u></p>	G. Waste minimization code <p style="text-align: center;"><u>X</u></p>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>291.40</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic sludge (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description RAGS AND LEAD TRASH FROM MACHINING OPERATIONS.		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G05</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>30.84</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>13.51</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>17.32</u>
Site 3			

**Comments** RAGS AND LEAD TRASH FROM MACHINING OPERATIONS. REFERENCE WPF# 24480 - SAME PROCESS, DIFFERENT GENERATOR. Other inorganic solids (specify in comments) FROM: Metal forming and treatment (pickling, heat treating, punching, bending, annealing, grinding, hardening, etc.) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description PPE, DEBRIS, DUST, DIRT GENERATED FROM NON-ROUTINE DECONTAMINATION ACTIVITIES.

B. EPA Hazardous Waste Code(s) D008 C. State Hazardous Waste Code(s)

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>46.26</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>46.26</u>
Site 2			
Site 3			

**Comments** PPE, DEBRIS, DUST, DIRT GENERATED FROM NON-ROUTINE DECONTAMINATION ACTIVITIES WITHIN WFO USING FANTASTIK ALL PURPOSE CLEANER. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>INSPECTION &amp; PACKAGING OF CERTIFIABLE COMBUSTIBLE &amp; NONCOMBUSTIBLE TRU WASTE. SALTS GENERATED FROM PLUTONIUM PROCESSING ACTIVITIES.</b>		
B. EPA Hazardous Waste Code(s) <b>D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W316</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>35,288.41</u>
Site 2			
Site 3			

**Comments** LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Metal salts or chemicals not containing cyanides FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>LEAD METAL (SHOT)</b>		
B. EPA Hazardous Waste Code(s) <b>D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W001</b>	F. Quantity Generated in 2011 <b>80.56</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>59.36</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>21.20</u>
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description COMPUTERS WITH LEAD SOLDER JOINTS AND PRINTED CIRCUIT BOARDS		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>38.20</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>38.20</u>
Site 2			
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LEAD ACID BATTERIES, MDAB, 55-GAL, ES PROFILE 9505-08 NO ASBESTOS, NO PCB</u>		
B. EPA Hazardous Waste Code(s) <u>D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W309</u>	F. Quantity Generated in 2011 <u>95.25</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD982598898</u>	<u>H132</u>	<u>95.25</u>
Site 2			
Site 3			

<b>Comments</b>	Batteries, battery parts, cores, casings (lead-acid or otherwise) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

2011 Hazardous Waste Report

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>LEAD TAPE, CONTAMINATED WITH BERYLLIUM CHIPS FROM (FILTERS) (1 TO 2MM SIZE X 0.25 MM THICK). TAPE MAY HAVE TRACES OF SAMARIUM, AU, CU, AL, FE, MN, MG, SI AND TITANIUM ALONG WITH PARYLENE (PLASTIC). TAPE NOT EXPOSED SOLVENTS</b>		
	B. EPA Hazardous Waste Code(s) <b>D008</b>		C. State Hazardous Waste Code(s)
D. Source Code <b>G25</b>	E. Form Code <b>W316</b>	F. Quantity Generated in 2011 UOM <b>0.22</b> Density <b>3</b> <b>0.00 spec. gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> <b>Yes (CONTINUE TO ITEM B)</b>	<input type="checkbox"/> <b>No (SKIP TO SEC. 4)</b>	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Metal salts or chemicals not containing cyanides FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE</u>		
B. EPA Hazardous Waste Code(s) <u>D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>22.30</u>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CATHODE RAY TUBES CONSIST OF GLASS, PLASTIC, METAL.
---------------	-----------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D008	C. State Hazardous Waste Code(s)
----------------------------------------	----------------------------------

D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>
---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.80</u>
Site 2			
Site 3			

<b>Comments</b>	CATHODE RAY TUBES (CRT) REMOVED FROM OLD NON-FUNCTIONING INSTRUMENTS AND EQUIPMENT WITHIN WEAPONS FACILITIES OPERATION (WFO) DIVISION Other inorganic solids (specify in comments) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CONCRETE SURROUNDED BY LEAD		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>463.30</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>COD991300484</u>	<u>H132</u>	<u>459.49</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>3.81</u>
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>SQUIB ASSEMBLY</u>		
B. EPA Hazardous Waste Code(s) <u>D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>3.62</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H112</u>	<u>3.62</u>
Site 2			
Site 3			

**Comments** Metal scale, filings and scrap (including metal drums) FROM: Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description GLASS WITH LEAD OXIDE - X-RAY SHIELDING GLASS		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>401.43</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>226.80</u>
Site 2	<u>UTD982598898</u>	<u>H132</u>	<u>174.63</u>
Site 3			

<b>Comments</b>	RESEARCH / DEVELOPMENT / TESTING Other inorganic solids (specify in comments) FROM:Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>LEAD SCRAP</b>		
B. EPA Hazardous Waste Code(s) <b>D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>8,281.05</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>539.78</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>86.63</u>
Site 3	<u>UTD982598898</u>	<u>H132</u>	<u>7,654.63</u>

**Comments** LEAD USED THROUGHOUT TA-18 TO SHIELD AGAINST RADIOACTIVITY. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>VACUUM SYSTEM COMPONENTS FROM WETF GLOVEBOX DISPOSITION ALONG W/RAINWATER</u>		
B. EPA Hazardous Waste Code(s) <u>D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>38.55</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>38.55</u>
Site 2			
Site 3			

<b>Comments</b>	VACUUM SYSTEM COMPONENTS FROM WETF GLOVEBOX DISPOSITION. FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization	Other inorganic solids (specify in comments)
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description DEBRIS CONTAMINATED WITH LEAD (BLDG209/152)		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W409</u>	F. Quantity Generated in 2011 <u>1,723.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD982598898</u>	<u>H132</u>	<u>1,723.00</u>
Site 2			
Site 3			

<b>Comments</b>	DEMOLITION DEBRIS FROM D&D OF BUILDINGS 152 AND 209. Other organic solids (specify in comments) FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description OXYGEN SENSOR - LEAD		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>1.36</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.36</u>
Site 2			
Site 3			

<b>Comments</b>	FIRING SITE ACTIVITIES Other inorganic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>GLOVE BAGS USED IN THE REPACKAGING OF TRU WASTE WASTE WILL CARRY CODE D008</u>		
	B. EPA Hazardous Waste Code(s) <u>D008</u>	C. State Hazardous Waste Code(s)	
	D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>44.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra
			G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>	
	<b>ON-SITE PROCESS SYSTEM 1</b>	<b>ON-SITE PROCESS SYSTEM 2</b>
	On-site Management Method code      Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code      Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>44.80</u>
Site 2			
Site 3			
<b>Comments</b>	GLOVE BAGS ARE GENERATED DURING THE REPACKAGING OF TRU WASTE CONTAINERS THAT CONTAIN PROHIBITED ITEMS THAT ARE NOT ABLE TO BE DISPOSED AT WIPP. THE TRU PARENT CONTAINERS ARE ATTACHED TO THE GLOVE BAG ASSEMBLY; THE CONTENTS ARE REMOVED FROM Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description **TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.**

B. EPA Hazardous Waste Code(s) D008 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>409.30</u> UOM <u>1</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>25,283.49</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LEAD TRAP</u>		
B. EPA Hazardous Waste Code(s) <u>D008</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>131.77</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>35.38</u>
Site 2	<u>UTD982598898</u>	<u>H132</u>	<u>96.39</u>
Site 3			

<b>Comments</b>	REMOVAL OF LEAD P-TRAP BELOW SINK (used chemicals from laboratory operations) Waste Min: No minimization	Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes
-----------------	----------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>LEAD IMPACTED SOIL</b>		
B. EPA Hazardous Waste Code(s) <b>D008</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G42</b> Management Method code for Source code G25	E. Form Code <b>W301</b>	F. Quantity Generated in 2011 <b>64,964.59</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>COD991300484</u>	<u>H132</u>	<u>64,765.00</u>
Site 2	<u>UTD982598898</u>	<u>H132</u>	<u>199.58</u>
Site 3			

**Comments** Contaminated soil (usually from remediation, demolition, or cleaning) FROM:Corrective action at a solid waste management unit under RCRA Waste Min: No minimization

**U.S. ENVIRONMENTAL  
PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM  
FORM**

**WASTE GENERATION  
AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description WASTE ELEMENTAL LEAD		
B. EPA Hazardous Waste Code(s) D008		C. State Hazardous Waste Code(s)	
D. Source Code <u>G42</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>21.09</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>COD991300484</u>	<u>H132</u>	<u>21.09</u>
Site 2			
Site 3			

<b>Comments</b>	Metal scale, filings and scrap (including metal drums) FROM:Corrective action at a solid waste management unit under RCRA Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>MERCURY, HAZARD CLASS 8, CORROSIVE, PACKING GROUP III, D009, RCRA -TOXIC METAL</u>		
B. EPA Hazardous Waste Code(s) <u>U151 D009</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MERCURY GENERATED FROM PLUTONIUM PROCESSING ACTIVITIES		
B. EPA Hazardous Waste Code(s) D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W519</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>76.20</u>
Site 2			
Site 3			

**Comments** LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic sludges (specify in comments - not W512 contaminated muds) FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ARSENIC TEST STRIPS (MERCURIC BROMIDE)		
B. EPA Hazardous Waste Code(s) D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>2.06</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>1.83</u>
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PROCESS ACID AND CAUSTIC WASTE FROM TA-55 OPERATIONS. THIS LIQUID WASTE IS NEUTRALIZED AND THEN CONCENTRATED BY PRECIPITATION USING CALCIUM HYDROXIDE. THE CONCENTRATE IS THEN SOLIDIFIED WITH PORTLAND CEMENT IN A 55-GALLON DRUM.		
	B. EPA Hazardous Waste Code(s) <u>D009</u>		C. State Hazardous Waste Code(s)
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 UOM <u>0.00</u> Density <u>1</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>NM4890139088</u>	C. Off-site Management Method code shipped to <u>H132</u>	D. Total quantity shipped in 2011 <u>2,039.00</u>
Site 1			
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other inorganic solids (specify in comments) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>ELEMENTAL MERCURY</b>		
B. EPA Hazardous Waste Code(s) <b>D009</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G13</b> Management Method code for Source code G25	E. Form Code <b>W117</b>	F. Quantity Generated in 2011 <b>0.17</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b>FLD980711071</b>	<b>H111</b>	<b>0.17</b>
Site 2			
Site 3			

**Comments** Waste liquid mercury ( metallic ) FROM:Cleaning out process equipment (periodic sludge or residual removal from enclosed processes including internal scrubbing or cleaning) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description STAINLESS STEEL TRAP		
B. EPA Hazardous Waste Code(s) D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W307</u>	F. Quantity Generated in 2011 <u>6.80</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TNR000005397</u>	<u>H111</u>	<u>6.80</u>
Site 2			
Site 3			

**Comments** Metal scale, filings and scrap (including metal drums) FROM: Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>TRITIUM CONTAMINATED FLUORESCENT BULBS REMOVED FROM CONTROLLED AREA.</u>		
B. EPA Hazardous Waste Code(s) <u>D009</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G15</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>15.00</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>15.00</u>
Site 2			
Site 3			
<b>Comments</b>	FLUORESCENT BULBS REMOVED FROM CONTROLLED AREA. A DISPOSAL PATH FORWARD HAS BEEN DETERMINED AND APPROVED BY SME MARK WATERMAN ON 12/5/01. RADIOLOGICAL INFORMATION MUST BE PROVIDED ON THE CWDR AND MAY AFFECT THE FINAL DISPOSITION OF THIS WA Other inorganic solids (specify in comments) FROM: Process equipment change-out or discontinue use of equipment (final materials and residuals removal including cleaning) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>BROKEN FLUORESCENT LAMPS THAT CONTAMINATED LAB TRASH, (PAPER, CARDBOARD, PLASTIC, RAGS, ETC)</b>		
B. EPA Hazardous Waste Code(s) <b>D009</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G19</b> Management Method code for Source code G25	E. Form Code <b>W002</b>	F. Quantity Generated in 2011 <b>1.20</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.70</u>
Site 2	<u>UTD981552177</u>	<u>H141</u>	<u>0.50</u>
Site 3			

<b>Comments</b>	FACILITY CLEANUP OF BROKEN FLUORESCENT LAMPS. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description MIXED LOW-LEVEL WASTE (USED LAMPS, H-3)		
B. EPA Hazardous Waste Code(s) D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W320</u>	F. Quantity Generated in 2011 <u>630.11</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD982598898</u>	<u>H132</u>	<u>630.11</u>
Site 2			
Site 3			

**Comments** REMOVAL OF USED LAMPS. Electrical devices (lamps, thermostats, CRTs, etc) (fluorescents, etc usually Mercury or lead containing FROM:Other one-time or intermittent processes(specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CELLULOSE PRODUCTS, NITRILE GLOVES, LATEX AND VACUUM GREASE USED FOR CLEANING GLASSWARE AND CONTAINERS OF MERCURY AND VACUUM GREASE.
---------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D009	C. State Hazardous Waste Code(s)
----------------------------------------	----------------------------------

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>
---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

<b>Comments</b>	TESTING OF SAMPLES FOR THE PRODUCTION OF GASES USING GLASS MANOMETERS WITH VACUUM GREASED SEALS. Other inorganic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description METALS CONTAMINATED WITH MERCURY.		
B. EPA Hazardous Waste Code(s) D009		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W409</u>	F. Quantity Generated in 2011 <u>7.93</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>7.93</u>
Site 2			
Site 3			

<b>Comments</b>	MERCURY SHUTTER SYSTEM MAINTENANCE/UPGRAGE analytical wastes (used chemicals from laboratory operations))	Other organic solids (specify in comments) FROM: Laboratory Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>WASTE CONSISTS OF MERCURY/SULFUR MIXTURE. ALONG WITH GLOVES, WIPES, AND BAGS USED TO CLEAN UP THE SPILL. ALL SEALED IN A 5 GALLON BUCKET.</b>		
B. EPA Hazardous Waste Code(s) <b>D009</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G32</u></b> Management Method code for Source code G25	E. Form Code <b><u>W002</u></b>	F. Quantity Generated in 2011 <b><u>2.72</u></b> UOM <b><u>3</u></b> Density <b><u>0.00</u></b> spec.gra	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H141</u>	<u>2.72</u>
Site 2			
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Cleanup of spill residues Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description (D010) <u>SENSIDYNE (DRAEGER) GENERAL HYDROCARBONS DETECTOR TUBES</u>		
B. EPA Hazardous Waste Code(s) <u>D010</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.83</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.83</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB TRASH CONSISTING OF SCRAP METAL, CELLUOSICS, PLASTIC, WOOD ETC. THIS IS THE SAME WASTESTREAM GENERATED UNDER THE GAMMA SPECTROSCOPY RESULTS FOR THE URANIUM MILL SHOPS, TA-03, SM-102, PROJECT NO. 5016.32.3000		
	B. EPA Hazardous Waste Code(s)  D010	C. State Hazardous Waste Code(s)	
D. Source Code  Management Method code for Source code G25	E. Form Code  <u>W002</u>	F. Quantity Generated in 2011  UOM <u>1,179.79</u> Density <sup>3</sup> <u>0.00 spec.gra</u>	G. Waste minimization code  <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>1,179.79</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Metal forming and treatment (pickling, heat treating, punching, bending, annealing, grinding, hardening, etc.) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SOLID WASTE GENERATED BY SYNTHESIS AND CLEANING PROCESS INVOLVING ORGANIC AND ORGANOMETALLIC PROCEDURES.
---------------	----------------------------------------------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) D022 D011 F002 F005	C. State Hazardous Waste Code(s)
----------------------------------------------------------	----------------------------------

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>112.03</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)
---------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>112.03</u>
Site 2			
Site 3			

<b>Comments</b>	SOLID WASTE GENERATED BY SYNTHESIS AND CLEANING PROCESS INVOLVING ORGANIC AND ORGANOMETALLIC PROCEDURES. MAJOR CONSTITUENTS INCLUDE PAPER CELITE, GLASS, RUBBER, LATEX GLOVES, COTTON SWABS, CHARCOAL, ALUMINA MOLECULAR SIEVES, STEEL ALUMINUM Concentrated halogenated/ non-halogenated solvent mixture FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>SOLID WASTE GENERATED BY SYNTHESIS AND CLEANING PROCESS INVOLVING ORGANIC &amp; ORGANOMETALLIC PROCEDURE.</b>		
B. EPA Hazardous Waste Code(s) <b>D011 D022 F002</b> <b>F005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G09</b> Management Method code for Source code G25	E. Form Code <b>W319</b>	F. Quantity Generated in 2011 <b>67.13</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>67.13</u>
Site 2			
Site 3			

<b>Comments</b>	SOLID WASTE GENERATED BY SYNTHESIS AND CLEANING PROCESS INVOLVING ORGANIC & ORGANOMETALLIC PROCEDURE. MAJOR CONSTITUENTS INCLUDE PAPER, CELITE, GLASS, RUBBER, LATEX GLOVES, COTTON, CHARCOAL, ALUMINA SILICA, MOLECULAR SIEVES, ALUMINUM, PA Other inorganic solids (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description POTASSIUM CHLORIDE		
B. EPA Hazardous Waste Code(s) D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>6.76</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H111</u>	<u>0.22</u>
Site 2	<u>UTD981552177</u>	<u>H040</u>	<u>6.54</u>
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description KODAK GBX FIXER		
B. EPA Hazardous Waste Code(s) D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>180.53</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>180.53</u>
Site 2			
Site 3			

**Comments** Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THE C02 COULOMETER IS USED TO MEASURE AQUEOUS AND GASEOUS C02.		
B. EPA Hazardous Waste Code(s) D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			
<b>Comments</b>	THE C02 COULOMETER IS USED TO MEASURE AQUEOUS AND GASEOUS C02. C02 REACTS WITH ETHANOLAMINE IN THE COULOMETRIC SOLUTION TO FORM A TITRATABLE ACID. A TITRATION CURRENT STOICHIOMETRICALLY GENERATES BASE TO NEUTRALIZE THE ACID. AN INDICATO Other organic liquid (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LABORATORY TRASH WITH "COOLAMP" LUBE PRODUC		
B. EPA Hazardous Waste Code(s) D011		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>1.36</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.36</u>
Site 2			
Site 3			

<b>Comments</b>	COOLAMP" LUBE PRODUCT USED FOR SILVER COATING OF VARIOUS METALS LIKE COPPER (SHEET, PIPING, ETC) Other inorganic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description DRAINED REFRIGERATION OIL FROM EQUIPMENT.		
B. EPA Hazardous Waste Code(s) D018 D022 D039		C. State Hazardous Waste Code(s)	
D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W206</u>	F. Quantity Generated in 2011 <u>220.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>220.00</u>
Site 2			
Site 3			

<b>Comments</b>	SCHEDULED MAINTENANCE OF REFRIGERATION OIL FROM VARIOUS PIECES OF EQUIPMENT THROUGHOUT LANL. Waste oil managed as hazardous waste FROM: Other one-time or intermittent processes (specify in comments) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CELLULOSICS WITH TRACE SOLVENTS. SOLVENTS USED FOR THEIR SOLVENT PURPOSES.</u>		
B. EPA Hazardous Waste Code(s) <u>D019 D022 F002</u> <u>F005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

**Comments** Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>TOXIC FLAMMABLE LIQUIDS (19 ITEMS) INCLUDING TOLUENE, BENZENE, METHYLENE CHLORIDE, PYRIDINE, 1,1,1-TRICHLOROETHANE, ETC.</b>		
B. EPA Hazardous Waste Code(s) <b>D019 U080 U211</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G11</u></b> Management Method code for Source code G25	E. Form Code <b><u>W001</u></b>	F. Quantity Generated in 2011 <b><u>9.10</u></b> UOM <b><u>3</u></b> Density <b><u>0.00</u> spec.gra</b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>UTD981552177</u></b>	<b><u>H040</u></b>	<b><u>9.10</u></b>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CARBON TETRACHLORIDE, TEXACO REGAL R&O 220 (5%)		
B. EPA Hazardous Waste Code(s) D019		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W202</u>	F. Quantity Generated in 2011 <u>1.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated (E.G. chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>CHLOROFORM</b>		
B. EPA Hazardous Waste Code(s) <b>D022 U044</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W001</b>	F. Quantity Generated in 2011 <b>0.58</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.58</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PHENOL CHLOROFORM		
B. EPA Hazardous Waste Code(s) U188 D022		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W119</u>	F. Quantity Generated in 2011 <u>0.10</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.10</u>
Site 2			
Site 3			

**Comments** BIO-RESEARCH: EXTRACTION NUCLEIC ACID. Other inorganic liquid (specify in comments) FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PHENOL CHLOROFORM ETHANOL		
B. EPA Hazardous Waste Code(s) D022		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>6.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.80</u>
Site 2			
Site 3			

<b>Comments</b>	WASTE FROM RNA/DNA ISOLATON Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CHLOROFORM		
B. EPA Hazardous Waste Code(s) D022		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.50</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.50</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>LABORATORY TRASH WITH ABSORBED LIQUIDS. TRASH CONSISTS OF PLASTIC, GLASSWARE, KIMWIPES AND BENCH PAPER WITH PHENOL, CHLOROFORM, ETHANOL, ISOPROPANOL, SODIUM ACETATE, ETHIDIUM BROMIDE, COMMASSLE BLUE STAIN, METHANOL, ACETIC ACID</b>		
	B. EPA Hazardous Waste Code(s) <b>D022</b>	C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W409</b>	F. Quantity Generated in 2011 UOM <b>2.26</b> Density <b>3</b> <u>0.00 spec. gra</u>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> <b>Yes (CONTINUE TO ITEM B)</b>	<input type="checkbox"/> <b>No (SKIP TO SEC. 4)</b>	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.26</u>
Site 2			
Site 3			
<b>Comments</b>	LABORATORY TRASH WITH ABSORBED LIQUIDS. TRASH CONSISTS OF PLASTIC, GLASSWARE, KIMWIPES AND BENCH PAPER WITH PHENOL, CHLOROFORM, ETHANOL, ISOPROPANOL, SODIUM ACETATE, ETHIDIUM BROMIDE, COMMASSLE BLUE STAIN, METHANOL, ACETIC ACID Other organic solids (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THIS WASTE CONSISTS OF SPENT SOLVENTS FROM R&D WORK ON THE SYNTHESIS OF TECHNETIUM COMPLEXES & THE DISPOSAL OF SPENT AQUEOUS SOLUTION OF TECHNETIUM WHICH MOSTLY SODIUM NITRATE AND SODIUM HYDROXIDE.		
B. EPA Hazardous Waste Code(s) F002 D028 F005		C. State Hazardous Waste Code(s)	
D. Source Code Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 UOM <u>0.12</u> Density <u>3</u> <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		X <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	Y <b>B. EPA ID No. of facility to which waste was shipped</b>	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>0.12</u>
Site 2			
Site 3			

**Comments** Other aqueous waste or wastewaters (fluid, not sludgy) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description HOUSEKEEPING WASTE STREAM THAT CONTAINS SAMPLES FROM PREVIOUS RESEARCHERS. THE SUBSTANCES ARE CONTAINED IN VIALS, TUBES, AND FLASKS, AND THESE CONTAINERS ARE IN A 5-GALLON BUCKET WITH <u>VERMICULITE</u>		
B. EPA Hazardous Waste Code(s) <u>D030 F005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G25</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 UOM <u>1.81</u> Density <u>0.00 spec. gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	B. EPA ID No. of facility to which waste was shipped <u>UTD981552177</u>	C. Off-site Management Method code shipped to <u>H040</u>	D. Total quantity shipped in 2011 <u>1.81</u>
Site 1			
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description CUSTOM EXPLOSIVE IN DMSO.		
B. EPA Hazardous Waste Code(s) D030		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.02</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.02</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PLASITE CONTAMINATED MATERIAL		
B. EPA Hazardous Waste Code(s) D035		C. State Hazardous Waste Code(s)	
D. Source Code <u>G06</u> Management Method code for Source code G25	E. Form Code <u>W409</u>	F. Quantity Generated in 2011 <u>18.14</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>18.14</u>
Site 2			
Site 3			

<b>Comments</b>	FACILITY MAINTENANCE: PAINTED OPERATIONS (manufacturing, building, or maintenance) Waste Min: No minimization	Other organic solids (specify in comments) FROM: Painting and coating
-----------------	---------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PLASITE CONTAMINATED MATERIAL		
B. EPA Hazardous Waste Code(s) D035		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W209</u>	F. Quantity Generated in 2011 <u>79.99</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H141</u>	<u>79.99</u>
Site 2			
Site 3			

**Comments** Paint, ink, lacquer, or varnish (fluid, not dry or sludgy) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description TRICHLOROETHYLENE		
B. EPA Hazardous Waste Code(s) D040 U228		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>304.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>304.81</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description CONCENTRATED HALOGENATED SOLVENT FROM PRODUCTION OR SERVICE-RELATED PROCESSES

B. EPA Hazardous Waste Code(s) F001 F002 C. State Hazardous Waste Code(s)

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W609</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>301.80</u>
Site 2			
Site 3			

**Comments** LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic sludge (specify in comments) FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description **TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.**

B. EPA Hazardous Waste Code(s) F001 F002 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>138.60</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>SPENT TRICHLOROETHYLENE USED IN DEGREASING CONTAINING SUSPENDED RADIOACTIVE PARTICLES.</b>		
B. EPA Hazardous Waste Code(s) <b>F001</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b><u>G01</u></b> Management Method code for Source code G25	E. Form Code <b><u>W202</u></b>	F. Quantity Generated in 2011 <b><u>20.00</u></b> UOM <b><u>6</u></b> Density <b><u>1.46 spec.gra</u></b>	G. Waste minimization code <b><u>X</u></b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X Yes (CONTINUE TO ON-SITE PROCESS SYSTEM 1)</b>			
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code <b><u>H129</u></b>	Quantity treated, disposed, or recycled on-site in 2011 <b><u>20.00</u></b>	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X No (FORM IS COMPLETE)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1			
Site 2			
Site 3			
<b>Comments</b>	TCE WAS FILTERED TO REMOVE PARTICULATE PLUTONIUM; THEREFORE, REDUCING THE ACTINIDE CONCENTRATION IN THE TCE TO LOW-LEVEL MIXED WASTE. Concentrated halogenated (E.G. chlorinated) solvent FROM: Dip, flush or spray rinsing (using solvents to clean or prepare parts or assemblies for further processing - i.e. painting or assembly) Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description CONCENTRATED HALOGENATED SOLVENT FROM PRODUCTION OR SERVICE-RELATED PROCESSES

B. EPA Hazardous Waste Code(s) F001 C. State Hazardous Waste Code(s)

D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W609</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>1,961.00</u>
Site 2			
Site 3			

**Comments** LEGACY WASTE FROM LANL...SHIPPED TO WIPP IN 2011. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM Other organic sludge (specify in comments) FROM:Other production or service-related processes(where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SPENT TRICHLOROETHYLENE		
B. EPA Hazardous Waste Code(s) F001		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>28.00</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>28.00</u>
Site 2			
Site 3			

**Comments** SPENT TRICHLOROETHYLENE (TCE) FROM DEGREASING BATH. MSDS ATTACHED. RADIOLOGICAL INFORMATION WILL ACCOMPANY THE CWDR. TCE CONTAINED IN TEFLON BOTTLES. MSDS FOR TCE IS ATTACHED. Other organic liquid (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description **TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.**

B. EPA Hazardous Waste Code(s) F001 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W319</u>	F. Quantity Generated in 2011 <u>0.00</u> UOM <u>1</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>NM4890139088</u>	<u>H132</u>	<u>304.20</u>
Site 2			
Site 3			

**Comments** SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Other inorganic solids Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description POTASSIUM CHLORIDE, SODIUM CHLORIDE AND POTASSIUM NITRATE SALTS DISSOLVED IN AN AQUEOUS MEDIUM WHICH MAY CONTAIN TRACE AMOUNTS OF SOLVENT RESIDUAL FROM GLASSWARE.		
B. EPA Hazardous Waste Code(s) F002 F005		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>6.80</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>6.80</u>
Site 2			
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description (1) PURGED GROUNDWATER WITH TRACE AMOUNTS (PPB) OF SOLVENTS. HE, AND RAD ABOVE BACKGROUND AND (2) DECONTAMINATION FLUIDS CONSISTING OF DI WATER AND TRACE LIQUINOX AND/OR ALCONOX		
B. EPA Hazardous Waste Code(s) <u>F002 F005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G42</u> Management Method code for Source code G25	E. Form Code <u>W204</u>	F. Quantity Generated in 2011 <u>10.21</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>5.67</u>
Site 2	<u>FLD980711071</u>	<u>H141</u>	<u>4.54</u>
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM: Corrective action at a solid waste management unit under RCRA Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THIS WASTE IS FROM AN ANALYTICAL PROCESS WHERE THE PH OF WATER EXTRACTION IN TRICHLORETHYLENE IS DETERMINED ACCORDING TO ASTM METHOD D-2110. TRICHLOETHYLENE (TCE) AND WATER AT LESS THAN 5%			
B. EPA Hazardous Waste Code(s) <p style="text-align: center;">F002</p>		C. State Hazardous Waste Code(s)		
D. Source Code Management Method code for Source code G25		E. Form Code <p style="text-align: center;"><u>W202</u></p>	F. Quantity Generated in 2011 UOM <u>8.61</u> Density <u>0.00 spec. gra</u>	G. Waste minimization code <p style="text-align: center;"><u>X</u></p>

<b>Sec. 2</b>	Was any of this waste managed on-site?			
<b>ON-SITE PROCESS SYSTEM 1</b>		<input checked="" type="checkbox"/> <b>ON-SITE PROCESS SYSTEM 2</b>		
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?		
	<input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)	<input type="checkbox"/> No (SKIP TO SEC. 4)	
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>8.61</u>
Site 2			
Site 3			

**Comments** Concentrated halogenated (E.G. chlorinated) solvent FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description LAB TRASH AND EXPANCEL WITH METHYLENE CHLORIDE		
B. EPA Hazardous Waste Code(s) F002		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>8.90</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>8.90</u>
Site 2			
Site 3			

<b>Comments</b>	Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>NON-COMBUSTABLE TRU WASTE METALS, HARD PLASTICS, WOOD *NOTE* DICHLOROMETHANE IS THE ONLY SOLVENT USED IN PROCESS.</b>		
B. EPA Hazardous Waste Code(s) <b>F002</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G22</b> Management Method code for Source code G25	E. Form Code <b>W409</b>	F. Quantity Generated in 2011 <b>0.00</b> UOM <b>1</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<b><u>NM4890139088</u></b>	<b><u>H132</u></b>	<b><u>18.40</u></b>
Site 2			
Site 3			

<b>Comments</b>	SHIPPED TO WIPP. TRANSURANIC WASTE PROCESSING FROM LANLS WEAPONS PROGRAM (specify in comments) FROM:Laboratory analytical wastes (used chemicals from laboratory operations))	Other organic solids Waste Min: No minimization
-----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>DEIONIZED WATER IS USED AS PART OF THE STANDARD TEST METHOD FOR PH OF WATER EXTRACTIONS OF HALOGENATED (IN THIS CASE, TRICHLOROETHYLENE) ORGANIC SOLVENTS.</u>		
B. EPA Hazardous Waste Code(s) <u>F002</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G24</u> Management Method code for Source code G25	E. Form Code <u>W219</u>	F. Quantity Generated in 2011 <u>0.68</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.68</u>
Site 2			
Site 3			
<b>Comments</b>	DEIONIZED WATER IS USED AS PART OF THE STANDARD TEST METHOD FOR PH OF WATER EXTRACTIONS OF HALOGENATED (IN THIS CASE, TRICHLOROETHYLENE) ORGANIC SOLVENTS. THIS PROCESS IS DONE AS PART OF THE CERTIFICATION PROCEDURE OF TCE IN PIT MANUFACTU Other organic liquid (specify in comments) FROM: Solvent or product distillation as part of a production process (including totally enclosed treatment systems). Not batch treatment. Waste Min: No minimization		

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>LAB TRASH W/ ORGANIC SOLVENTS, RESIN, OIL, NON-HAZ METALS (ZINC, COBALT, IRON, COPPER, MANGANESE, TITANIUM, MOLYBDENUM, NICKEL), POLYMERS, CARBON ALLOTROPES.</u>		
B. EPA Hazardous Waste Code(s) <u>F003 F005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G09</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>5.89</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>5.89</u>
Site 2			
Site 3			

**Comments** CARBON NONOTUBE AND OTHER FORMS OF CARBON SYNTHESIS AND POLYMER COMPOSITES. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM: Other production or service-related processes (where the waste is a direct outflow or result - specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description RAGS ABSORBED WITH SOLVENT ARE USED TO CLEAN OIL BASED PAINT OFF EQUIPMENT.

B. EPA Hazardous Waste Code(s) F003 F005 C. State Hazardous Waste Code(s)

D. Source Code <u>G19</u> Management Method code for Source code G25	E. Form Code <u>W002</u>	F. Quantity Generated in 2011 <u>27.21</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	------------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>27.21</u>
Site 2			
Site 3			

**Comments** RAGS ABSORBED WITH SOLVENT ARE USED TO CLEAN OIL BASED PAINT OFF EQUIPMENT. Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Other one-time or intermittent processes(specify in comments) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>THE WASTE CONSISTS OF SOLID MATERIAL (CELITE, MOLECULAR SIEVES, GLASS, WOOL, SILICA, ALUNINA, ETC.)</b>		
B. EPA Hazardous Waste Code(s) <b>F005</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W204</b>	F. Quantity Generated in 2011 <b>38.32</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>FLD980711071</u>	<u>H061</u>	<u>5.89</u>
Site 2	<u>FLD980711071</u>	<u>H141</u>	<u>11.34</u>
Site 3			

<b>Comments</b>	Concentrated halogenated/ non-halogenated solvent mixture FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

**Sec. 1** A. Waste Description REAGENTS AND SOLVENTS USED IN THE ANALYSIS OF POLYURETHANE AND POLYURETHANE-LIKE RESINS AND CURING AGENTS WHERE PRECIPITATES OF ACETATE AND UREA MAY FORM.

B. EPA Hazardous Waste Code(s) F005 C. State Hazardous Waste Code(s)

D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W113</u>	F. Quantity Generated in 2011 <u>7.25</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	-----------------------------------------------------------------------------------------------	----------------------------------------

**Sec. 2** Was any of this waste managed on-site?  No (SKIP TO SEC. 3)

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

**Sec. 3** A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?  Yes (CONTINUE TO ITEM B)

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>7.25</u>
Site 2			
Site 3			

**Comments** Other aqueous waste or wastewaters (fluid, not sludgy) FROM: Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description THIS WASTE CONSISTS OF GROUND-UP NEOPRENE EXTRACTED IN TOLUENE USED TO MAKE IR PELLETT. THE REMAINING TOLUENE IS LESS THAN 0.05%.		
B. EPA Hazardous Waste Code(s) <u>F005</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Code <u>W409</u>	F. Quantity Generated in 2011 <u>2.26</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>2.26</u>
Site 2			
Site 3			

<b>Comments</b>	THIS WASTE CONSISTS OF GROUND-UP NEOPRENE EXTRACTED IN TOLUENE USED TO MAKE IR PELLETT. THE REMAINING TOLUENE IS LESS THAN 0.05%. Other organic solids (specify in comments) FROM: Laboratory analytical wastes (used chemicals from laboratory operations) Waste Min: No minimization
-----------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description UN2810 WASTE TOXIC LIQUID ORGANIC		
B. EPA Hazardous Waste Code(s) P077 P120 U201 U012 U044 U068 U106 U144 U169 U183		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>111.13</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>111.13</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description 10 PPM NITROGEN DIOXIDE IN AIR		
B. EPA Hazardous Waste Code(s) P078		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W801</u>	F. Quantity Generated in 2011 <u>0.90</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TXD982290140</u>	<u>H129</u>	<u>0.90</u>
Site 2			
Site 3			

<b>Comments</b>	Compressed gases (any type) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description SODIUM AZIDE		
B. EPA Hazardous Waste Code(s) P105		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>0.94</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.94</u>
Site 2			
Site 3			

**Comments** Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>CITRISTRIP 2.5 QTS, GOLPHER BAIT 10 GALLONS, AVITROL 1.5 GALLONS, ULD 0.5 GALLONS</u>		
B. EPA Hazardous Waste Code(s) <u>P108</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W004</u>	F. Quantity Generated in 2011 <u>25.85</u> UOM <u>3</u> Density <u>0.00 spec.gra</u>	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>25.85</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs containing acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ACROS ORGANICS, DIMETHYLPHTHALATE, UNUSED UNSPENT		
B. EPA Hazardous Waste Code(s) U102		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.72</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.72</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>2,4-DINITROTOLUENE</b>		
B. EPA Hazardous Waste Code(s) <b>U105</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W001</b>	F. Quantity Generated in 2011 <b>0.49</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.49</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description HYDROGEN FLUORIDE (DOT 3AA2015)		
B. EPA Hazardous Waste Code(s) U134		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W801</u>	F. Quantity Generated in 2011 <u>0.50</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TXD982290140</u>	<u>H121</u>	<u>0.50</u>
Site 2			
Site 3			

<b>Comments</b>	Compressed gases (any type) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description HYDROGEN SULFIDE 40PPM EXPIRED CHECK GAS/CYLINDER, NITROGEN		
B. EPA Hazardous Waste Code(s) U135		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W801</u>	F. Quantity Generated in 2011 <u>2.26</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>TXD982290140</u>	<u>H129</u>	<u>2.26</u>
Site 2			
Site 3			

<b>Comments</b>	Compressed gases (any type) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>IODOMETHANE (METHYL IODIDE), CAS#74-88-4, POISON, HAZARD CLASS 6.1, PACKING GROUP I, RCRA U-138 TOXIC</u>		
B. EPA Hazardous Waste Code(s) <u>U138</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.91</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.91</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description ELEMENTAL MERCURY FROM A SWITCH POURED INTO A 250 ML GLASS BOTTLE
---------------	-------------------------------------------------------------------------------------------

B. EPA Hazardous Waste Code(s) U151	C. State Hazardous Waste Code(s)
----------------------------------------	----------------------------------

D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W117</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec.gra	G. Waste minimization code <u>X</u>
----------------------------------------------------------------------------	-----------------------------	----------------------------------------------------------------------------------------------	----------------------------------------

<b>Sec. 2</b>	Was any of this waste managed on-site?  <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>
---------------	-----------------------------------------------------------------------------------------------------------------------------------------

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <p style="text-align: center;"><input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)</p>
---------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

<b>Comments</b>	Waste liquid mercury ( metallic ) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description PHENOL		
B. EPA Hazardous Waste Code(s) U188		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.22</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.22</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <b>THIOUREA</b>		
B. EPA Hazardous Waste Code(s) <b>U218</b>		C. State Hazardous Waste Code(s)	
D. Source Code <b>G11</b> Management Method code for Source code G25	E. Form Code <b>W001</b>	F. Quantity Generated in 2011 <b>0.15</b> UOM <b>3</b> Density <b>0.00 spec.gra</b>	G. Waste minimization code <b>X</b>

<b>Sec. 2</b>	Was any of this waste managed on-site? <b>X No (SKIP TO SEC. 3)</b>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <b>X Yes (CONTINUE TO ITEM B)</b>		
	<b>B. EPA ID No. of facility to which waste was shipped</b>	<b>C. Off-site Management Method code shipped to</b>	<b>D. Total quantity shipped in 2011</b>
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.15</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description BROMOFORM STABILIZED ETHANOL		
B. EPA Hazardous Waste Code(s) U225		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>1,1,1- TRICHLOROETHANE</u>		
B. EPA Hazardous Waste Code(s) <u>U226</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>0.45</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>0.45</u>
Site 2			
Site 3			

<b>Comments</b>	Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**U.S. ENVIRONMENTAL PROTECTION AGENCY**

2011 Hazardous Waste Report

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:

SITE NAME LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

**GM FORM**

**WASTE GENERATION AND MANAGEMENT**

<b>Sec. 1</b>	A. Waste Description <u>P-XYLENE</u>		
B. EPA Hazardous Waste Code(s) <u>U239</u>		C. State Hazardous Waste Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	F. Quantity Generated in 2011 <u>1.81</u> UOM <u>3</u> Density <u>0.00</u> spec. gra	G. Waste minimization code <u>X</u>

<b>Sec. 2</b>	Was any of this waste managed on-site? <p style="text-align: right;"><input checked="" type="checkbox"/> No (SKIP TO SEC. 3)</p>		
<b>ON-SITE PROCESS SYSTEM 1</b>		<b>ON-SITE PROCESS SYSTEM 2</b>	
On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011	On-site Management Method code	Quantity treated, disposed, or recycled on-site in 2011

<b>Sec. 3</b>	A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? <input checked="" type="checkbox"/> Yes (CONTINUE TO ITEM B)		
	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2011
Site 1	<u>UTD981552177</u>	<u>H040</u>	<u>1.81</u>
Site 2			
Site 3			

**Comments** Lab packs with no acute hazardous waste (from any source) FROM: Discarding off-specification, out-of-date, and/or unused chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

## SITE NAME

LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS

NM 87545

EPA ID NO: **NM0890010515**



U.S. ENVIRONMENTAL  
PROTECTION AGENCY  
2011 Hazardous Waste Report

**FORM  
OI**

**OFF-SITE  
IDENTIFICATION**

Form 1	<b>A. EPA ID No. of off-site installation or transporter</b> ARD069748192	<b>B. Name of off-site installation or transporter</b> CLEAN HARBORS EL DORADO, LLC
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street 309 AMERICAN CIRCLE  City EL DORADO State AR Zip 71730-

Form 2	<b>A. EPA ID No. of off-site installation or transporter</b> CAD008488025	<b>B. Name of off-site installation or transporter</b> PHIBRO-TECH, INC.
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street 8851 DICE RD  City SANTA FE SPRINGS State CA Zip 90670-2515

Form 3	<b>A. EPA ID No. of off-site installation or transporter</b> COD980591184	<b>B. Name of off-site installation or transporter</b> VEOLIA ES TECHNICAL SOLUTIONS LLC
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street E. 96TH AVE  City HENDERSON State CO Zip 80640-

Form 4	<b>A. EPA ID No. of off-site installation or transporter</b> COD991300484	<b>B. Name of off-site installation or transporter</b> CLEAN HARBORS DEER TRAIL LLC
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street E. HWY 36  City DEER TRAIL State CO Zip 80105-

Form 5	<b>A. EPA ID No. of off-site installation or transporter</b> FLD980711071	<b>B. Name of off-site installation or transporter</b> PERMA-FIX OF FLORIDA, INC.
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street 1940 NW 67TH PLACE  City GAINESVILLE State FL Zip 32653-1649

00001 00002 00003 00004 00005

## SITE NAME

LOS ALAMOS NATIONAL LABORATORY  
BIKINI ATOLL ROAD, SM-30  
LOS ALAMOS

NM 87545

EPA ID NO: **NM0890010515**



U.S. ENVIRONMENTAL  
PROTECTION AGENCY  
2011 Hazardous Waste Report

**FORM  
OI**

**OFF-SITE  
IDENTIFICATION**

Form 6	<b>A. EPA ID No. of off-site installation or transporter</b> NM4890139088	<b>B. Name of off-site installation or transporter</b> USDOE WASTE ISOLATION PILOT PLANT
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street LOUIS WHITLOCK DRIVE  City CARLSBAD State NM Zip 88220-

Form 7	<b>A. EPA ID No. of off-site installation or transporter</b> TNR000005397	<b>B. Name of off-site installation or transporter</b> EAST TENNESSEE MATERIALS & ENERGY CORPOR
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street E. TENNESSEE TECH PK  City OAK RIDGE State TN Zip 37830-

Form 8	<b>A. EPA ID No. of off-site installation or transporter</b> TXD055141378	<b>B. Name of off-site installation or transporter</b> CLEAN HARBORS DEER PARK LP
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street 2027 BATTLEGROUND ROAD  City DEER PARK State TX Zip 77536-

Form 9	<b>A. EPA ID No. of off-site installation or transporter</b> TXD982290140	<b>B. Name of off-site installation or transporter</b> CLEAN HARBORS LAPORTE LLC
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street 500 BATTLEGROUND RD  City LA PORTE State TX Zip 77571-9768

Form 10	<b>A. EPA ID No. of off-site installation or transporter</b> UTD981552177	<b>B. Name of off-site installation or transporter</b> CLEAN HARBORS ARAGONITE, LLC.
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
<input type="checkbox"/> Generator <input type="checkbox"/> Transporter <input checked="" type="checkbox"/> TSDR		Street NORTH APTUS ROAD  City ARAGONITE State UT Zip 84209-

00006 00007 00008 00009 00010



**SITE NAME**  
 LOS ALAMOS NATIONAL LABORATORY  
 BIKINI ATOLL ROAD, SM-30  
 LOS ALAMOS NM 87545  
 EPA ID NO: **NM0890010515**



**OFF-SITE IDENTIFICATION**

Form 11	<b>A. EPA ID No. of off-site installation or transporter</b> UTD982598898	<b>B. Name of off-site installation or transporter</b> ENERGYSOLUTIONS
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
N Generator N Transporter Y TSDR		Street 46 WEST BROADWAY  City SALT LAKE CITY State UT Zip 84101-2028

Form 12	<b>A. EPA ID No. of off-site installation or transporter</b> WAR000010355	<b>B. Name of off-site installation or transporter</b> PERMA FIX NORTHWEST RICHLAND INC
<b>C. Handler Type</b>		<b>D. Address of off-site installation</b>
N Generator N Transporter Y TSDR		Street 2025 BATTELLE BOULEVARD  City RICHLAND State WA Zip 99354-5313

LA-UR-11-06642

Approved for public release;  
distribution is unlimited.

November 2011

*Title:* U.S. Department of Energy and  
Los Alamos National Security, LLC  
Hazardous Waste Minimization Report

*Author(s):* Environmental Stewardship Group

*Intended for:* New Mexico Environment Department



Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by the Los Alamos National Security, LLC for the National Nuclear Security Administration of the U.S. Department of Energy under contract DE-AC52-06NA25396. By acceptance of this article, the publisher recognizes that the U.S. Government retains a nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.



Document: Hazardous Waste  
Minimization Report  
Date: November 2011

### CERTIFICATION

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

---

Dennis Hjeresen  
Division Leader  
Environmental Protection Division  
Los Alamos National Security, LLC

---

Date Signed

---

Gene Turner  
Environmental Permitting Manager  
Los Alamos Site Office  
National Nuclear Security Administration  
U.S. Department of Energy  
Owner/Operator

---

Date Signed





# CONTENTS

<b>1.0 HAZARDOUS WASTE MINIMIZATION REPORT .....</b>	<b>1</b>
1.1 INTRODUCTION .....	1
1.2 BACKGROUND.....	1
1.3 PURPOSE AND SCOPE.....	3
1.4 REQUIREMENTS OF THE OPERATING PERMIT.....	3
1.5 ORGANIZATIONAL STRUCTURE AND STAFF RESPONSIBILITIES .....	4
<b>2.0 WASTE MINIMIZATION PROGRAM ELEMENTS.....</b>	<b>5</b>
2.1 GOVERNING POLICY ON ENVIRONMENT.....	5
2.1.1 <i>FY12 EMS Institutional Objectives</i> .....	5
2.2 EMPLOYEE TRAINING AND INCENTIVE PROGRAMS .....	7
2.3 UTILIZATION AND JUSTIFICATION FOR THE USE OF HAZARDOUS MATERIALS .....	8
2.4 INVESTIGATION OF ADDITIONAL WASTE MINIMIZATION AND POLLUTION PREVENTION EFFORTS .....	10
2.4.1 <i>Funded Projects</i> .....	10
2.4.2 <i>Current FY12 Projects</i> .....	16
2.5 WASTE COST RECOVERY .....	17
<b>3.0 HAZARDOUS WASTE.....</b>	<b>18</b>
3.1 INTRODUCTION .....	20
3.2 HAZARDOUS WASTE MINIMIZATION PERFORMANCE .....	20
3.3 WASTE STREAM ANALYSIS .....	21
3.4 HAZARDOUS WASTE MINIMIZATION.....	23
3.5 BARRIERS TO HAZARDOUS WASTE MINIMIZATION.....	26
<b>4.0 MIXED TRANSURANIC WASTE .....</b>	<b>27</b>
4.1 INTRODUCTION .....	27
4.2 MTRU WASTE MINIMIZATION PERFORMANCE.....	28
4.3 WASTE STREAM ANALYSIS .....	29
4.4 MIXED TRANSURANIC WASTE MINIMIZATION.....	31
4.5 BARRIERS TO MTRU MINIMIZATION .....	31
<b>5.0 MIXED LOW-LEVEL WASTE.....</b>	<b>32</b>
5.1 INTRODUCTION .....	32
5.2 MLLW WASTE MINIMIZATION PERFORMANCE .....	33
5.3 WASTE STREAM ANALYSIS .....	34
5.4 MIXED LOW-LEVEL WASTE MINIMIZATION .....	36
5.5 BARRIERS TO MLLW REDUCTION .....	36
<b>6.0 REMEDIATION WASTE.....</b>	<b>37</b>
6.1 INTRODUCTION .....	37
6.2 REMEDIATION WASTE MINIMIZATION PERFORMANCE.....	37
6.3 WASTE STREAM ANALYSIS .....	37
6.4 REMEDIATION WASTE MINIMIZATION .....	38
6.5 POLLUTION PREVENTION PLANNING.....	41
6.6 BARRIERS TO WASTE MINIMIZATION.....	42

## List of Acronyms

ADEP	Associate Directorate of Environmental Programs
ADESHQ	Associate Directorate of Environment, Safety, Health, and Quality
CFR	Code of Federal Regulations
CMR	Chemistry and Metallurgy Research facility
D&D	decontamination and demolition
DOE	US Department of Energy
DOE-EM	DOE-Environmental Management
DP	Defense Programs
EMS	Environmental Management System
ENV-ES	Environmental Stewardship Group
ENV-RCRA	Water Quality and RCRA Group
EP	Environmental Programs Directorate
EP-CAP	Corrective Actions Projects
EP-TA21	TA-21 Closure Project
EPA	Environmental Protection Agency
ESH&Q	Environment, Safety, Health and Quality Directorate
FY	fiscal year
GIC	Green is Clean
GSAF	Generator Set-Aside Fund
HE	high explosives
HPLC	high-performance liquid chromatography
ISO	International Organization of Standardization
LANL	Los Alamos National Laboratory
LANS	Los Alamos National Security, LLC
LANSCE	Los Alamos Neutron Science Center
LED	light-emitting diode
LEED	Leadership in Energy and Environmental Design
LLW	low-level waste
MDA	Material Disposal Area
MLLW	mixed low-level waste
MTRU	mixed transuranic waste
NMED	New Mexico Environment Department
NNSA	National Nuclear Security Administration
NPDES	National Pollutant Discharge Elimination System
NSF-ISR	National Sanitation Foundation - International Strategic Registrations
PPOA	Pollution Prevention Opportunity Assessment
R&D	Research and Development
RCA	radiological control area
RCRA	Resource Conservation and Recovery Act
RLUOB	Radiological Laboratory/Utility/Office Building
RLWTF	Radioactive Liquid Waste Treatment Facility
RTBF	Readiness and Technical Base Facilities
SAA	satellite accumulation area
SOC	Special Operations Consulting
TA	Technical Area
TCE	trichloroethylene

TRU	transuranic (waste)
TSDf	treatment, storage, and disposal facility
TWCP	TRU Waste Characterization Program
UPS	uninterrupted power supply
WIPP	Waste Isolation Pilot Plant
WMin/PP	Waste Minimization/Pollution Prevention (Program)



# 1.0 Hazardous Waste Minimization Report

## 1.1 Introduction

Waste minimization and pollution prevention are inherent goals within all the operating procedures of Los Alamos National Security, LLC (LANS). The US Department of Energy (DOE) and LANS are required to submit an annual hazardous waste minimization report to the New Mexico Environment Department (NMED) in accordance with the Los Alamos National Laboratory (LANL) Hazardous Waste Facility Permit. The report was prepared pursuant to the requirements of Section 2.9 of the LANL Hazardous Waste Facility Permit, which was issued in November 2010. This report describes the hazardous and mixed waste minimization program (a component of the overall Waste Minimization/Pollution Prevention [WMin/PP] Program) administered by the Environmental Stewardship Group (ENV-ES). This report also supports the waste minimization and pollution prevention goals of the Environmental Programs Directorate (EP) organizations responsible for implementing remediation activities and describes its programs to incorporate waste reduction practices into remediation activities and procedures.

During fiscal year (FY) 2011, LANL had a successful year with WMin/PP efforts. Staff accomplished six projects specifically related to reduction of waste with hazardous components, and employees conducted four new pollution prevention opportunity assessments. LANL won six national awards for pollution prevention efforts from NNSA. In FY11, much more remediation waste was generated at LANL than in FY10 (118,966 kg in FY11 vs. 2729 kg in FY10). However, less non-remediation hazardous waste, mixed transuranic waste, and mixed low-level waste were generated in FY11 than in FY10 (158,548 kg in FY11 vs. 282,257 kg in FY10). All of these accomplishments and analysis of the waste streams are discussed in much more detail within this report.

## 1.2 Background

In 1990, Congress passed the Pollution Prevention Act<sup>i</sup>, which changed the focus of environmental policy from “end-of-pipe” regulation to source reduction and minimizing waste generation. Under the provisions of the Pollution Prevention Act and other institutional requirements for treatment, storage, and disposal of wastes, all waste generators must certify that they have a waste minimization program in place. The elements of this program are further defined in the May 1993 US Environmental Protection Agency (EPA) interim final guidance, 58 Federal Register 10, *Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program*<sup>ii</sup>. The program guidance lists what EPA considers the minimum level of infrastructure and effort that constitute an acceptable program. This includes top management support, process evaluation, technology exchange, waste minimization employee training, and waste generation tracking and projections.

The DOE Office of the Secretary also requires a pollution prevention program as outlined in the 1996 Pollution Prevention Program Plan (DOE/S-0118)<sup>iii</sup>. The DOE plan has specific program requirements for every waste generator, including evaluating waste minimization options as early in the planning process as possible. The DOE plan places

responsibility for waste minimization/pollution prevention implementation with the waste-generating program.

Specific DOE pollution prevention requirements are also delineated in DOE Order 450.1A, *Environmental Protection Program*, which was accepted into the LANS contract and was recently replaced by DOE Order 436.1 *Departmental Sustainability* which contains aggressive greenhouse gas emission reduction goals, energy and water conservation goals and continues to place a strong emphasis on pollution prevention and sustainable acquisition. DOE Order 436.1 requirements are executed through the Site Sustainability Plan which is managed under the Laboratory's Environmental Management System (EMS). The EMS received third-party registration to the International Organization of Standardization ISO 14001:2004 standard in April 2006 and was recertified in March 2009. The EMS is subject to surveillance audits every six months. Pollution prevention and waste minimization are required elements of the ISO 14001:2004 standard and are evident throughout the EMS.

A list of key applicable regulatory drivers for the WMin/PP Program is presented below.

#### **Federal Statutes and Executive Orders**

- Resource Conservation and Recovery Act (RCRA)
- Pollution Prevention Act
- Executive Order 12873, Federal Acquisition, Recycling, and Waste Prevention
- Executive Order 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention
- Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management
- Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance

#### **Federal Regulations**

- Code of Federal Regulations (CFR), Title 40, Parts 260–280, Hazardous Waste Management

#### **State of New Mexico Statutes**

- New Mexico Hazardous Waste Act
- New Mexico Solid Waste Act

#### **State of New Mexico Regulations**

- New Mexico Solid Waste Management Regulations, Title 20, Chapter 9, Part 1, New Mexico Administrative Code
- New Mexico Hazardous Waste Management Regulations, Title 20, Chapter 4, Part 1, New Mexico Administrative Code

#### **DOE Orders and Policies**

- DOE Order 458.1, "Radiation Protection of the Public and the Environment"
- DOE Order 435.1, "Radioactive Waste Management"
- DOE Order 436.1, "Departmental Sustainability"

- Secretary of Energy Notice 37-92, “Waste Minimization Policy Statement”
- DOE Pollution Prevention Program Plan, 1996

### Directives and Policies

- Laboratory Governing Policy
- PD 400, Environmental Protection Program
- P 401, Procedure to Identify, Communicate, and Implement Environmental Requirements
- P 402, Environmental Communication Procedure
- P 403, Environmental Aspects Identification Requirement
- P 405, National Environmental Policy Act (NEPA), Cultural Resources, and Biological Resources Reviews
- P 407, Water Quality
- P 408, Air Quality Reviews
- P 409, Waste Management

### 1.3 Purpose and Scope

The purpose of this report is to document the approach for minimizing hazardous and mixed wastes and to document performance results. This report discusses the methods and activities that will be routinely employed to prevent or reduce waste generation in FY2012, and the report documents FY11 waste generation quantities and significant waste minimization accomplishments for FY11. In most cases, waste minimization activities executed during FY11 will continue to occur during FY12 and beyond. This plan also discusses the Director’s commitment to pollution prevention, specific elements of the ENV-ES and EP WMin/PP programs, and the barriers to implementation of further significant reductions.

The plan discusses institutional policies, goals, and training activities that address hazardous and mixed waste reduction. The plan provides waste minimization information by the following waste types: hazardous waste, mixed transuranic waste (MTRU), and mixed low-level waste (MLLW). The last section provides a description of the waste minimization and pollution prevention activities associated with remediation wastes.

### 1.4 Requirements of the Operating Permit

Section 2.9 of the LANL Hazardous Waste Permit requires that a waste minimization program be in place and that a certified report be submitted annually to the administrative authority. The specific requirements of the permit are listed in Table 1-1 along with the corresponding section of the report that addresses the requirement.

**Table 1-1. LANS/DOE Hazardous Waste Facility Permit Section 2.9**

Permit Requirement	Topic	Refer to Report Section
Section 2.9 (1)	Policy Statement	Section 2.1
Section 2.9 (2)	Employee Training and Incentives	Section 2.2
Section 2.9 (3)	Past and Planned Source Reduction and Recycling	Sections 2.4.1, 2.4.2, 3.4, 4.4, 5.4, 6.0

Section 2.9 (4)	Itemized Capital Expenditures	Section 2.4
Section 2.9 (5)	Barriers to Implementation	Sections 3.5, 4.5, 5.5, 6.5
Section 2.9 (6)	Investigation of Additional Waste Minimization Efforts	Sections 2.4, 6.0
Section 2.9 (7)	Waste Stream Flow Charts, Tables, and Analysis	Sections 2.3, 3.1, 3.2, 3.3, 4.1, 4.2, 4.3 5.1, 5.2, 5.3, 6.2, 6.3
Section 2.9 (8)	Justification of Waste Generation	Sections 2.3, 6.0

### **1.5 Organizational Structure and Staff Responsibilities**

The Director, the Senior Environmental Steering Committee, and the Associate Director for Environment, Safety, Health, and Quality have oversight responsibilities and provide annual review of the EMS, WMin/PP Program goals, and performance. The Environmental Protection Division has primary responsibility and oversight responsibilities for the WMin/PP Program as well as for the environmental remediation program waste minimization activities. WMin/PP Program funding comes from a tax levied on each waste item. This tax supports the core WMin/PP Program activities and pollution prevention projects. Specific environmental remediation program waste minimization activities are discussed in Section 6.0.

The ENV-ES Pollution Prevention Program Team has been tasked to develop and manage the WMin/PP Program and the EMS. The EMS establishes both institutional waste minimization and pollution prevention objectives and targets and directorate-level environmental action plans that contain waste minimization and pollution prevention actions as well as other environmental improvement actions. The ENV-ES Pollution Prevention Program Team provides oversight for WMin/PP Program implementation, a base of technical knowledge and resources for pollution prevention practices, assistance with identifying waste generation trends and pollution prevention opportunities, recommendations for pollution prevention solutions and applications, support in tracking and reporting pollution prevention successes and lessons learned, funding for pollution prevention projects, and assistance in identifying and addressing WMin/PP Program implementation barriers.



## **2.0 Waste Minimization Program Elements**

### **2.1 Governing Policy on Environment**

LANS developed a prevention-based EMS, which was third-party certified to the ISO 14001:2004 standard in April 2006 by National Sanitation Foundation International Strategic Registration (NSF-ISR), an independent ISO 14001 third-party registrar. LANS was most recently recertified by NSF-ISR to the ISO 14001:2004 standard in March 2009. As part of the EMS, the Laboratory Governing Policy contains the official policy on environment. This policy is used for setting annual environmental targets and objectives.

The environmental policy statement reads:

*Environment: We approach our work as responsible stewards of the environment to achieve our mission. We prevent pollution by identifying and minimizing environmental risk. We set quantifiable objectives, monitor progress and compliance, and minimize consequences to the environment, stemming from our past, present, and future operation. We do not compromise the environment for personal, programmatic, or operational reasons.*

#### **2.1.1 FY12 EMS Institutional Objectives**

A required element of the ISO 14001:2004 standard is the establishment of environmental objectives with quantifiable and achievable targets. The Senior Environmental Management Steering Committee has established the following objectives as part of the EMS for FY12:

##### **1. Clean the Past**

- a. Investigate legacy contamination according to the requirements of the Consent Order with NMED
- b. Protect surface water runoff through implementation of the Individual Storm Water Permit with EPA
- c. Ship waste to WIPP
- d. Reduce volume of waste in Site Treatment Plan
- e. Footprint Reduction
- f. Excess materials/Equipment/Liabilities reduction

##### **2. Control the Present**

- a. Site Sustainability Plan Implementation
- b. Integrate environment with safety tools for common work control message
- c. Outfall Reduction / Zero Liquid Discharge
- d. Consolidation of R&D Open Detonation operations at Phermex
- e. Monitor for compliance
- f. Pollution Prevention with focus on problematic waste streams

- g. Reduce spills and leaks
- h. Sustainable Acquisition
- i. Expand chemical re-use program

### **3. Create a Sustainable Future**

- a. Energy Intensity Reduction
- b. Water Use Reduction
- c. 10 Year Greenhouse Gas Reduction Plan
- d. High Performance Sustainable Buildings
- e. Data Center Management
- f. Regional and Local Planning
- g. 50-Year Environment Stewardship Plan
- h. Integrated Site Planning
- i. Environmental Outreach and Communications
- j. New Environmental / Sustainable Technologies

The Pollution Prevention Program is an integral part of the Site Sustainability Plan and the 50-Year Environmental Stewardship Plan. The concept of “As Low as Reasonably Achievable” (ALARA) is being championed to encourage pollution prevention across the Laboratory as a means to sustainability.

The WMin/PP Program is an integral part of the EMS and supports LANS in meeting the EMS objectives. The FY12 WMin/PP Program approach will focus on

- baselining waste trends and identifying improvement targets at the directorate level,
- conducting pollution prevention opportunity assessments (PPOAs) on key processes,
- utilizing material substitution as appropriate,
- integrating pollution prevention principles into the project planning process,
- developing and delivering guidance to address waste generation behaviors for staff and subcontractors,
- communicating waste minimization lessons learned to the employees,
- dedicating waste minimization resources to assist with large remedial actions,
- improving chemical use and management, including the unused, unspent chemicals,
- sustainable acquisition,
- improving management of materials to reuse materials and equipment to the greatest extent possible before final disposition, and
- recycling and reusing materials.

## 2.2 Employee Training and Incentive Programs

Several employee training and incentive programs exist to identify and implement opportunities for recycling and source reduction of various waste types.

Training courses that address waste minimization and pollution prevention requirements include

- General Employee Training
- Waste Generator Overview
- Radworker II
- EMS Environmental Awareness Training

LANS requires generators to minimize waste and conduct preventive measure assessments in waste management guidance documents and in the work planning requirements under the Integrated Work Management Procedure (P 300).

In FY11, the Integrated Environmental Review Program provided a series of environmental permits and requirements briefings to several organizations to increase awareness of environmental concerns, including opportunities for prevention and waste minimization. More than twenty briefings were provided to several organizations including:

- Construction Safety personnel
- Deployed Environmental Professionals
- Waste Management Coordinators
- Environment, Safety, Health, and Quality Managers

These organizations have responsibilities related to work planning, subcontractor support and oversight, WMin/PP Program efforts, EMS, and more.

Another management program is the Permits and Requirements Identification process. This is a tool to assist personnel in identifying, managing, and complying with environment, safety, and health requirements that may impact project planning and execution. This process helps project managers clearly understand what WMin/PP Program requirements apply to their project.

DOE Headquarters, in conjunction with the National Nuclear Security Administration (NNSA), sponsors an annual pollution prevention awards program. The program provides recognition to personnel who implement pollution prevention projects. LANS submits nominations for the DOE/NNSA awards each year and received six awards for pollution prevention projects during FY11, including two Best-in-Class awards. The winning projects are described below, and the first two bullets describe the Best in Class awards.

- Coordinated activities introduced during the 2010 Earth Week laid the foundation for several sustainable practices that have maintained momentum and continued in 2011. The Third Annual Energy Town Hall highlighted innovative projects surrounding energy issues and facilitated discussions relating to energy at the Laboratory. Several divisions launched an organic vegetable garden to demonstrate the importance of locally grown and sustainable food and the concept of slow food. The goal of using the produce from the garden for dishes served at the Otowi

Cafeteria was a success. The events of Earth Week encouraged a greater awareness of recycling, public transportation, waste minimization, and energy use.

- Replacement of a vacuum pump used in a rinse water recycle system and elimination of steam heating of the electroplating baths resulted in significant energy and water savings as well as waste avoidance for the Sigma Electroplating Laboratory.
- An unclassified video teleconference center was established in the Chemistry and Metallurgy Research Replacement Project Office. This teleconference center allows for live, interactive, and efficient communications without involving travel. It is estimated that one meeting alone saved approximately \$10,000 in travel costs while simultaneously reducing carbon dioxide emissions.
- The flow-down of new DOE/NNSA sustainability goals late in FY10 tested the ability of the EMS to absorb, analyze, and respond with meaningful objectives and targets for the upcoming fiscal year activities. Through the use of a mature EMS, the Laboratory was able to provide a reasonable response that covered the scope of the new Site Sustainability Plan (SSP) requirements within the time required. This process continued during FY11. The Laboratory was recognized by DOE/NNSA reviewers as being the only site within the complex to successfully integrate EMS and the SSP.
- The Laboratory's Algal Biofuels Consortium Development Team provides leadership in renewable energy research focused on innovative technologies that will help bring biofuels to a commercial reality. The Team formed the National Alliance for Advanced Biofuels and Bioproducts (NAABB) consortium. The NAABB secured funding from DOE to develop innovative technologies for cost-effective production of algal biomass and lipids, economically-viable fuels and co-products, and a framework for a sustainable biofuels industry.
- A new variation on an analytical technique has significantly reduced problematic waste and improved worker safety. The new process utilizes a miniature column separation technique coupled with gas pressurized extraction chromatography to separate plutonium from trace impurities for inductively coupled plasma spectroscopy analysis. This new technique reduces 90% of the transuranic liquid waste and eliminates all of the transuranic solid and low-level waste generated by the current gravity column separation and elution methods now commonly employed. It is amenable to other applications where chromatographic separation of actinides is required for sample preparation.

The Pollution Prevention Program holds a Pollution Prevention award ceremony every year in conjunction with other Earth Day activities. Employees submit descriptions of projects they completed during the past year that reduced waste generation. Each participant is recognized by senior management with an award certificate and a small cash award. During FY11, the Pollution Prevention Program Team gave awards to employees who worked on 68 projects to reduce waste generation, improve efficiency, and conserve resources. These projects have millions of dollars worth of value through cost savings, waste avoidance, and improved compliance.

In FY11, LANS held a Student Sustainability Challenge during the summer to engage students in the EMS and to encourage them to contribute to reducing waste and conserving

resources. The students built an onsite garden and grew vegetables that were used in dishes served at the main LANL cafeteria in the summer.

Each year the Pollution Prevention Program invites waste generators to submit proposals for pollution prevention project grants. The program is known as the Generator Set-Aside Fee (GSAF) Program, and the funds for these grants are collected via a small tax on the generation of each unit of waste. The Pollution Prevention Program coordinates the peer review of GSAF proposals and distributes the available funds to the projects. Projects are prioritized by waste type, return on investment, and matching program funds. The Pollution Prevention Program monitors progress on these projects and provides technical assistance as needed.

### **2.3 Utilization and Justification for the Use of Hazardous Materials**

LANL is a research and development (R&D) facility that executes thousands of projects requiring the use of chemicals or materials that may create hazardous waste. Pollution prevention and waste minimization requirements for waste generators include source reduction and material substitution techniques. Best management practices to reduce hazardous waste generation such as the use of microscale chemistry, use of nonhazardous cleaners, and other prevention techniques have been adopted. However, customer requirements, project specifications, or the basis of the research may demand the use of particular hazardous chemicals.

To encourage the use of nontoxic or less hazardous substitutes whenever possible, the Pollution Prevention Program has a link to a database of alternative chemical choices on its website. The database of alternative chemicals was developed in conjunction with researchers at the Massachusetts Institute of Technology. The database contains possible alternatives to some hazardous chemicals for particular processes. All employees can access this database of nontoxic or less hazardous alternative chemicals.

The Sustainable Acquisition Program requires buyers to choose less hazardous or nonhazardous janitorial and office supplies and items that contain recycled content. The janitorial supply catalog offers “green” cleaning supplies, as does the office supply vendor. In addition, the computer procurement contract includes the preference for computers that meet the Electronic Product Environmental Assessment Tool certification standard. Other procurement requirements address remanufactured printer cartridges and energy efficiency standards for all printers and copiers. In addition, sustainable acquisition requirements for water and energy-efficient equipment and recycled-content construction supplies are in place.

### **2.4 Investigation of Additional Waste Minimization and Pollution Prevention Efforts**

The Pollution Prevention Program monitors waste trends and develops improvement projects. Waste reduction projects often come directly from researchers, waste management coordinators, and the Pollution Prevention Program Team. Pollution Prevention Program staff provide engineering support to waste generators in the implementation of these projects.

During FY11, each directorate participated in the EMS process and examined its particular impacts on the environment. As a result of the EMS process, each directorate created an action plan with objectives and targets for reducing its environmental impact. These action plans detail projects that will reduce waste generation, increase recycling, save energy, or otherwise reduce environmental impacts.

In addition, the Pollution Prevention Program conducts PPOAs to analyze waste generating processes and develop prevention alternatives. In FY11, the following PPOAs were completed:

- ARAMARK Food Waste. The waste stream at the ARAMARK cafeteria at LANL was examined to find potential sources of sanitary waste reduction.
- Clean Fill Management Custom Database Application. This is a specification document describing how the new database that tracks the surplus and reuse of clean fill at LANL will work.
- Environment, Safety, Health and Quality (ESH&Q) Directorate Paper Use Evaluation. This document examines paper use within the Divisions of the ESH&Q Directorate.
- Sulfur Hexafluoride Use at LANL. This is a summary document that describes some of the locations where and ways in which sulfur hexafluoride is used at LANL.

#### **2.4.1 Funded Projects**

The following are GSAF projects and the amounts of funding that they received during the past five years for both capital purchases and the labor necessary to execute the improvement projects. GSAF projects address all types of waste. However, the following only represent projects that were designed to reduce hazardous waste, MLLW, or MTRU.

In FY06, the Pollution Prevention Program received authorization to expand the GSAF Program to include radioactive liquid waste streams. This approximately doubled the amount of funding available to reduce upstream waste sources.

In FY06, GSAF funds were allocated to the following projects:

- Acid Recycling at CMR (\$30,000)  
The Plasma Spectroscopy Team at CMR installed an Ultra-Trace cleaning system to clean approximately 300 pieces of glassware every month. The Ultra-Trace system uses an automatic acid reflux system that cleans about 20 pieces of glassware per hour. The old method was to soak the labware in acid for 5 to 7 days to remove trace contaminants, so the new system is significantly faster. The team estimates that 500 L less of concentrated nitric acid are purchased annually.
- Laboratory Automation to Reduce MLLW Generation (\$25,000)  
A Chemistry Division laboratory demonstrated a system to integrate multiple diagnostic machines with just one laptop computer. The demonstration is meant to convince labs that use radioactivity to adopt the same strategy and reduce the chance of contaminating electronics and generating potential MLLW.

- **Minimizing Hydrochloric Acid in High-Volume Separation Chemistry (\$20,410)**  
Chemical separation of isotopes creates some acidic TRU liquid, and the goal of this project is to minimize the volume of this waste. The project substituted smaller separation columns to get smaller elution volumes. The investigators also studied the effectiveness of using lower concentrations of acid.
- **Elimination of a Peroxide-Forming Waste Stream (\$12,000)**  
A set of experiments using gel permeation chromatography produce a liquid waste that contains tetrahydrofuran, which can form peroxides over time. Newer chromatography columns and alternative solvents were tested to minimize hazardous tetrahydrofuran waste and the necessity of testing for peroxides.
- **Plasite Paint Substitution Pilot Project (\$8,000)**  
This project investigated the feasibility of using water-based paints for painting the floors in certain locations. By using a water-based paint instead of an oil-based paint, the team expects to reduce hazardous waste by about 50 kg every year.
- **Chemical Lifecycle Management (\$30,000)**  
This project provides an alternatives database of green chemicals to help researchers select less toxic and less hazardous chemicals for use in projects. This project also includes enhancement to the ChemLog chemical inventory system to facilitate surplus chemical reuse to reduce waste generation.
- **Materials Disposition (\$40,000)**  
This project performed a PPOA to help identify issues regarding waste disposal and pollution prevention during cleanout activities. Management is very interested in pursuing cleanout work, and this project will help reduce the overall amount of waste generated in the future.
- **MLLW Vacuum Pump Waste Elimination (\$25,000)**  
The investigators purchased new oil-free vacuum pumps to work with a variety of instruments that analyze minute quantities of radioisotopes. The oil-free vacuum pumps need less maintenance and do not have the potential to generate MLLW. This project is expected to reduce MLLW by about 6 quarts annually.
- **Plastic Replacement (\$35,000)**  
The Plasma Spectrometry task requires the use of plastic tubes, columns, various tubing, and an assortment of nebulizers for analysis of plutonium matrices. In an effort to reduce the MTRU liquid waste, the generator purchased Teflon tubes and columns that can be reused for years. Also, the Teflon nebulizers will reduce solid waste and MTRU liquid waste due to shorter rinse out times and lower volumes.

In FY07, GSAF funds were allocated to the following projects:

- **Chemical Life Cycle Management (\$60,000)**  
This project improved procurement practices so that chemicals arrive more quickly and users will not want to order larger quantities than necessary. The project also identified a set of environmental high-risk chemicals and potential environmentally friendly substitutions.

- **Lead Brick Recycling (\$168,000)**  
Several divisions recycled unwanted lead bricks, pigs, and sources with this GSAF grant.
- **Uninterrupted Power Supply (UPS) Waste Reduction (\$34,000)**  
The people involved with this project worked to remove unnecessary UPSs. The batteries in these UPSs become hazardous waste. Other options, such as surge protectors, may be a better solution for most applications.
- **Materials Disposition Initiative and Cleanouts (\$69,000)**  
This group examined root causes of chemical and material accumulation, developed procedures, and conducted pilot projects to identify and resolve any potential roadblocks to cleanout and disposition activities. The team developed a toolkit that contains the resources, contacts, links, lessons learned, pathways, and strategies needed to identify, evaluate, and disposition unnecessary items within a prioritized EMS planning framework. Cleanouts were done at TA-35 and TA-16.
- **Light-Emitting Diode (LED) Light Assemblies on Gloveboxes (\$1,500)**  
This project tested LED light panels to replace existing fluorescent light panels on gloveboxes. LED lights operate at cooler temperatures, are up to 10 times more energy efficient, last 10 to 15 times longer than fluorescent bulbs, and are low voltage, which reduces the chance of an injury to a worker. The longer life of the LEDs means that less mixed waste will be generated over time.
- **Silver Analysis (\$6,000)**  
Approximately 400 lb of silver pieces were analyzed to verify their potential to be reused as silver instead of being handled as hazardous waste. Ultimately the silver was found to be uncontaminated, but the DOE metal moratorium prevented this silver from being recycled.
- **Refrigerant Recycling (\$12,000)**  
Approximately 2000 lb of unneeded refrigerant were recycled by packaging it and sending it to a Department of Defense facility in Virginia. As a result, this refrigerant did not become hazardous waste.
- **Silver Recovery Units (\$7,300)**  
Waste photochemicals can be filtered with silver recovery units to reclaim the silver for recycling. Filtering also removes the hazardous component from the liquid photochemical waste and renders the waste nonhazardous. Spent photochemicals are a large component of hazardous waste liquid. Four silver recovery units were purchased with GSAF funds.
- **Plasma Cleaning at TA-55 (\$55,000)**  
The purpose of this project was to determine the cleaning effectiveness of low-temperature plasma processing on various metal substrates instead of using trichloroethylene (TCE). TCE is a RCRA-regulated chemical, and using plasma processing would eliminate this source of MLLW.



In FY08, GSAF funds were allocated to the following projects:

- **Replacement of Lead Bricks with Nonhazardous Bismuth (\$25,000)**  
The purpose of this project was to replace lead bricks used in a shielding cave with bismuth bricks. Past research indicated that bismuth worked for this application, but the nonhazardous bismuth will never become MLLW as the lead bricks might.
- **Waste Reduction by Distillation for High-Performance Liquid Chromatography (HPLC) Processes (\$20,000)**  
A unit was installed to recover acetonitrile from an aqueous HPLC solution so that the acetonitrile could be reused and not become waste. This new process reduces hazardous waste generation by over 50 gallons per week and still allows all of the same work to be performed.
- **Radioactive Waste Technical Support (\$185,000)**  
The purpose of this project was to provide technical support to all of the GSAF projects in FY08 concerned with reducing MLLW, MTRU, TRU, and LLW. The funds paid for time and effort of a dedicated pollution prevention staff member.
- **Oil-Free Pump for the 1L Service Area (\$55,000)**  
An oil-free pump was purchased for an energy research lab. The previous pump generated about 170 kg of oil that had to be handled as MLLW every year. The new pump does not use oil, so all of this MLLW is prevented.
- **Lead Recycle (\$75,000)**  
This project recycled/reused six drums of lead bricks and three pallets of lead-lined and solid lead pigs. The usable lead and steel will be re-cast as shielding containers and drum linings to be resold to DOE contractors.
- **Plasma Cleaning Process (\$55,000)**  
This was a demonstration project that used plasma-cleaning technology as a replacement for TCE. This project, once fully deployed, will eliminate a MTRU waste stream.

In FY09, GSAF funds were allocated to the following projects:

- **Nonhazardous Lead Equivalent Shielding Glovebox Gloves (\$15,000)**  
The purpose of this project was to replace lead-lined glovebox gloves with a new type of gloves that uses bismuth and tungsten instead. For certain applications, other gloveboxes can be retrofitted over time, and less MLLW will result in the future since bismuth and tungsten are both nonhazardous materials.
- **Acid Bath Glassware Cleaning Substitute (\$30,000)**  
A nonhazardous, biodegradable detergent was tested in place of a nitric acid bath to clean glassware for sensitive samples. By using this replacement, the team plans to avoid the generation of over 50 gallons of nitric acid waste annually.
- **LED Lights at TA-55 (\$40,000)**  
Based on the success of a previous GSAF project, gloveboxes are being retrofitted with LED lights instead of fluorescent panels. LED lights operate at cooler

temperatures, are more energy efficient, last longer than fluorescent bulbs, and are low voltage, which reduces the chance of an injurious shock to a worker. The nonhazardous characteristics and longer life of the LEDs mean that less MLLW will be generated over time.

- Bioscience Organic Solvent Recycle (\$48,000)

Solvent distillation equipment was installed so that the solvents used for separations could be reused in a closed-loop system onsite. This improvement reduces approximately 1300 kg of solvent waste and new solvent purchases each year.

- Ion Pump Hazardous Waste Elimination (\$22,500)

New ion pumps were purchased for the accelerator, so the old ion pumps no longer need to be reconditioned with an acid bath. The new parts reduce hazardous waste generation by about 180 kg annually.

In FY10, GSAF funds were allocated to the following projects:

- Direct Solid Analysis Using DC Arc Spectrometry to Eliminate Waste Generation (\$40,000)

A new spectrometer with a solid-state detector was purchased for use in the Pu-238 Heat Source Program. The old spectrometer that was replaced used about 3000 gallons of water and generated about 16 L of MLLW with silver annually. The new instrument is also expected to be used for another process in which about 23 gallons of solid TRU waste can be avoided each year.

- Ion Exchange Column Reduction Project (\$30,000)

Wizard Bags are a super strong type of plastic bag that can completely cover a tall ion exchange column. When encased in a Wizard Bag, a 6-foot column can be safely broken apart without puncture risks from broken glass. This size reduction minimizes the number of waste containers containing TRU or MTRU that would be sent away as waste.

- Satellite Accumulation Area (SAA) Elimination from PF-4 Analytical Method (\$55,000)

This funding allowed Chemistry Division to obtain an unwanted alpha spectrometer from Plutonium Manufacturing and Technology Division instead of having the instrument sent away as waste. This spectrometer may eliminate the need for xylene in some experiments, which will reduce the volume of MTRU generated from this work by about 0.1 cubic meters per year.

- Purchase and Supply LED Lights for TA-50 (\$50,000)

This project replaced 4-foot fluorescent bulbs in radiological control areas (RCAs) at TA-50 with LED lights. Since fluorescent bulbs in RCAs can potentially become MLLW, this project expects to reduce overall MLLW generation by 3 to 5 cubic meters.

- **Fluorescent Light Substitution at TA-48 (\$30,000)**  
Fluorescent lights in hot cells at TA-48 were replaced with LED lights to avoid the potential generation of about 0.5 cubic meter of MLLW.
- **Reduction of MLLW and Reuse of LLW at TA-53 (\$125,000)**  
Some older equipment at TA-53 was refurbished so that used targets can be remotely cut apart and disposed of as MLLW in normal, 55-gallon drums instead of in very large casks. The reduction in MLLW waste volume is expected to be about 3.8 cubic meters.
- **Mercury Ignitron Replacement Prototype Project (\$86,500)**  
This project is to prototype, test, and install a solid-state ignitron to replace a mercury ignitron. If all 15 mercury ignitrons are ultimately replaced, about 11 kg of mercury-containing hazardous waste can be eliminated.
- **21st Century Solvent Purification for Actinide Chemistry (\$20,000)**  
A solvent-purification system was purchased for performing actinide chemistry operations. This system produces less hazardous waste than the old system did.
- **Chemical Storage and Re-Use Centers, Virtual Chemical Exchange (\$48,303)**  
This project investigated the possibilities of having chemical pharmacies for sharing unused chemicals among divisions. Unused and unspent chemicals have long been a significant fraction of the hazardous waste stream at LANL, so minimizing this waste stream is very desirable.
- **Perchloric Acid Fume Hoods (\$100,000)**  
A new fume hood dedicated to work with perchloric acid reduces the amount of piping that must be washed down by 75%. Concentrating all perchloric acid work into one hood means that about 70,000 L less of radioactive liquid waste will be generated each year.
- **Chemical Inventory Reduction (\$30,000)**  
The Plutonium Manufacturing and Technology Division disposed of about 40 kg of unwanted chemicals as hazardous waste. The chemicals had been taking up valuable room in cold storage space.
- **Van de Graaff Cleanout Project (\$60,000)**  
The old Ion Beam Facility was shut down, and this funding is helping to remove the materials inside. Approximately 55 gallons of MLLW and 26 cubic meters of LLW were removed for disposal.
- **Low-Energy Demonstration Accelerator Containment Trench Extension (\$5,000)**  
A secondary containment trench was extended to become capable of holding all of the oil in several transformers at TA-53 in case there were simultaneous catastrophic failures. If all of the oil was not contained in the event of such failures, then surrounding soil could get contaminated and ultimately become hazardous waste.

In FY11, GSAF funds were allocated to the following projects that addressed hazardous and mixed waste issues:

- Replacement of Lead-Loaded Glovebox Gloves with an Attenuation Medium of non-RCRA-Hazardous Metals (\$7500)  
The team ordered five pairs of Polyurethane – NonHaz Shielding – Hypalon gloves to test with gloveboxes. These do not contain lead, so they can ultimately be disposed of less expensively as LLW instead of MLLW. In the future, many leaded gloves might be replaced with the Hypalon gloves.
- Two-Flange Gloveport Liner (\$2500)  
The team designed an improvement for gloveboxes that involves using an extra liner between the glove and the gloveport. This extra liner is expected to help reduce the chance of contamination getting onto the gloveport and glove inside the glovebox. This reduces the potential risk of contamination to employees and should result in the generation of less MLLW.
- Methanol Recirculation and Recovery Loop (\$69,682)  
The multi-pass Methanol Recirculation and Recovery Loop (MRRL) will replace the single-pass methanol fuel system and provide methanol solution to four fuel cell test systems in parallel. The MRRL will greatly reduce the volume and disposal cost of the hazardous methanol/water waste stream. The installation of the MRRL will mitigate safety hazards associated with handling large volumes of methanol/water mixture.
- Target Fabrication Facility Centralized Chemical Stockroom (\$75,000)  
This project establishes a centralized chemical stockroom for all operations at TA-35-213. By sharing chemicals among multiple projects, less hazardous waste in the form of unused or unspent chemicals is expected to be generated.
- 21st Century Solvent Purification for Actinide Chemistry (\$20,000)  
This project is a continuation of work performed in FY10 to purify solvents for use in actinide chemistry. The money this year was spent on making the system portable for use in multiple locations.
- Disposal of Hazardous Materials from TA-22-1 Cleanout (\$4000)  
Hazardous waste and oil were generated during the cleanout of a historical building at TA-22. This GSAF proposal covers disposal costs of these wastes.

#### 2.4.2 Current FY12 Projects

FY12 GSAF projects were chosen, and approximately \$1.2 million was allocated. About 60% of the funds are for solid wastes, and the balance is reserved for projects to minimize radioactive liquid waste. FY12 projects that support directorate EMS objectives and targets received extra consideration. FY12 projects will address all regulated waste streams including TRU waste and MTRU waste, LLW and MLLW, hazardous waste, radioactive liquid waste, and the Zero Liquid Discharge project. The project titles are listed below.

- Green is Clean Expansion/Upgrade (\$30,000)
- Automated Plutonium Separation System to Reduce TRU Waste (\$46,000)
- Combining Actinide Analytical Chemistry Processes To Eliminate Waste: Gallium and Uranium by XRF (\$75,000)
- Coolant Longevity Project (\$30,000)

- Clean Fill Yard Implementation (\$150,000)
- Continuation of SWWS Sludge Composting (\$70,000)
- Waste Reduction Through Dry Cell Battery Recycling (\$2,500)
- SERF Waste Makes Carbon Neutral Concrete (\$100,000)
- LANL Radiological and RCRA Constituents Background Study (\$50,000)
- TRU Surface Contaminated Object Reclassification Pilot Project (\$25,000)
- Microshield NDA Analysis Tool Pilot Project (\$50,000)
- Bulk Dewar Recycle Program (\$25,000)
- Institutional Implementation of Innovative PPE (\$50,000)
- ISR-4 Waste Reduction through the Incorporation of Automated Cleaning Systems (\$64,000)
- Trichloroethylene replacement study: cleaning effectiveness determination (\$100,000)

## **2.5 Waste Cost Recovery**

Until the early 1990s, waste processing and management were considered overhead functions, included as part of the general and administrative tax. In 1991, these activities moved under the jurisdiction of DOE-Environmental Management (DOE-EM), which began direct funding both legacy (including cleanup) and newly generated waste management. Starting in FY99, the responsibility was divided between DOE-EM handling legacy waste and Defense Programs (DP) via the Readiness in Technical Base and Facilities (RTBF) Program managing newly generated waste and pollution prevention activities. In FY00 an indirect recharge was placed on non-DP newly generated waste so those programs would pay their fair share of the waste management expenses. DOE-EM pays the cost of processing waste generated from EM-funded work such as environmental restoration and legacy waste disposition at Los Alamos; the Facilities and Infrastructure Recapitalization Project pays waste disposal costs associated with its activities.

From FY99 to FY07 RTBF funded its waste processing activities via work packages that defined the resources and activities for each year. This method is simple in terms of accounting, with the drawback that the level of detail in these packages is often low. Also, little incentive is passed to the generator to minimize waste.

FY08 was a transition period for cost recovery followed by implementation of full cost recovery in FY09. The basis for waste cost recovery is to charge waste generators for the transportation, storage, and disposal of their wastes. Assessing waste costs to the individual generators will increase waste awareness and provide an incentive for waste reduction.

## 3.0 Hazardous Waste

### 3.1 Introduction

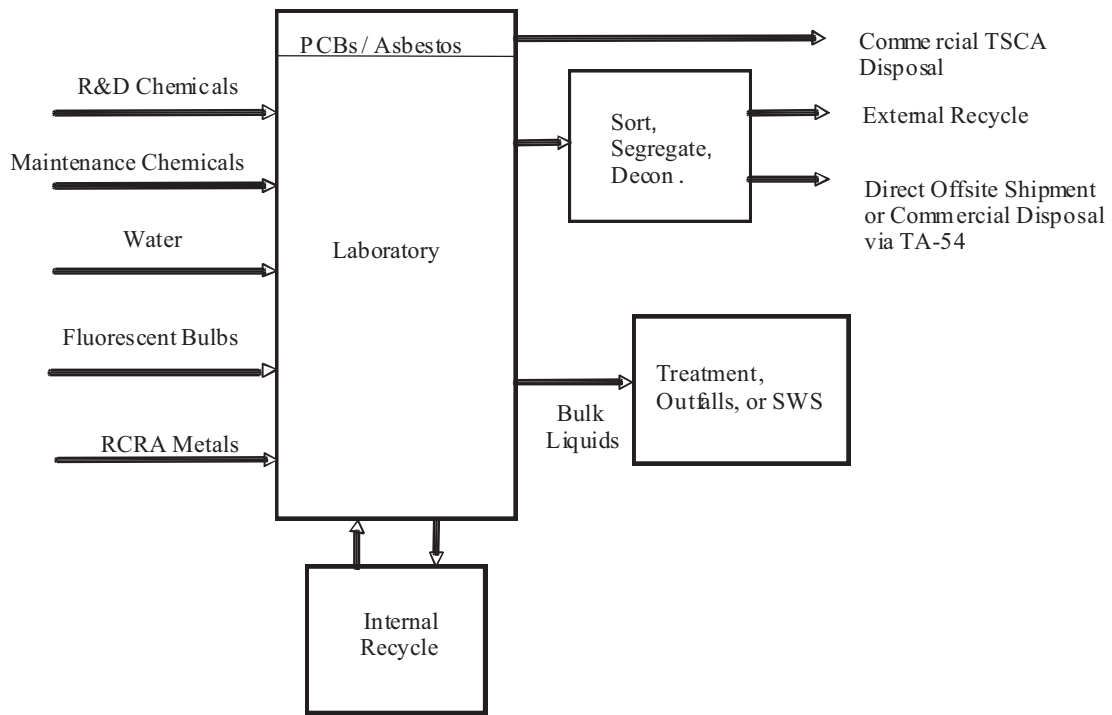
The annual hazardous waste disposal amount that is reported as part of the Pollution Prevention Program DOE reporting requirements is based on the total waste disposed recorded in the Solid Waste Operations database (SWOON) system and does not include waste generation amounts prior to onsite treatment. Data quality assurance for this system is managed by the Waste and Environmental Services Division Leader. The SWOON waste data used in this report was collected for FY11 on October 18, 2011.

In brief, 40 CFR 261.3, as adopted by the NMED as 20.4.1.200 NMAC, defines hazardous waste as any solid waste that

- is not specifically excluded from the regulations as hazardous waste;
- is listed in the regulations as a hazardous waste;
- exhibits any of the defined characteristics of hazardous waste (i.e., ignitability, corrosiveness, reactivity, or toxicity);
- is a mixture of solid and hazardous wastes; or
- is a used oil having more than 1000 ppm of total halogens.

Hazardous waste commonly generated includes many types of research chemicals, solvents, acids, bases, carcinogens, compressed gases, metals, and other solid waste contaminated with hazardous waste. This waste may include equipment, containers, structures, and other items that are intended for disposal and that are contaminated with hazardous waste (e.g., compressed gas cylinders). Some contaminated wastewaters that cannot be sent to the sanitary wastewater system or the HE wastewater treatment plants also qualify as hazardous waste.

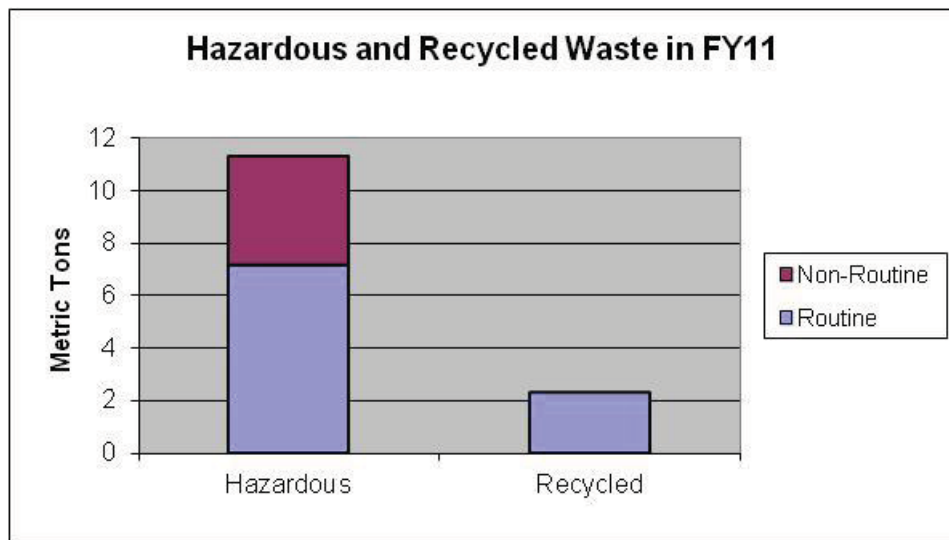
Most hazardous wastes are disposed of through subcontractors. These companies send waste to permitted treatment, storage, and disposal facilities (TSDFs); recyclers; energy recovery facilities for fuel blending or burning for British-thermal-unit recovery; or other licensed vendors, as in the case of mercury recovery. The treatment and disposal fees are charged back at commercial rates specific to the treatment and disposal circumstances. Figure 3-1 shows the process map for waste generation.



**Figure 3-1. Hazardous waste process map**

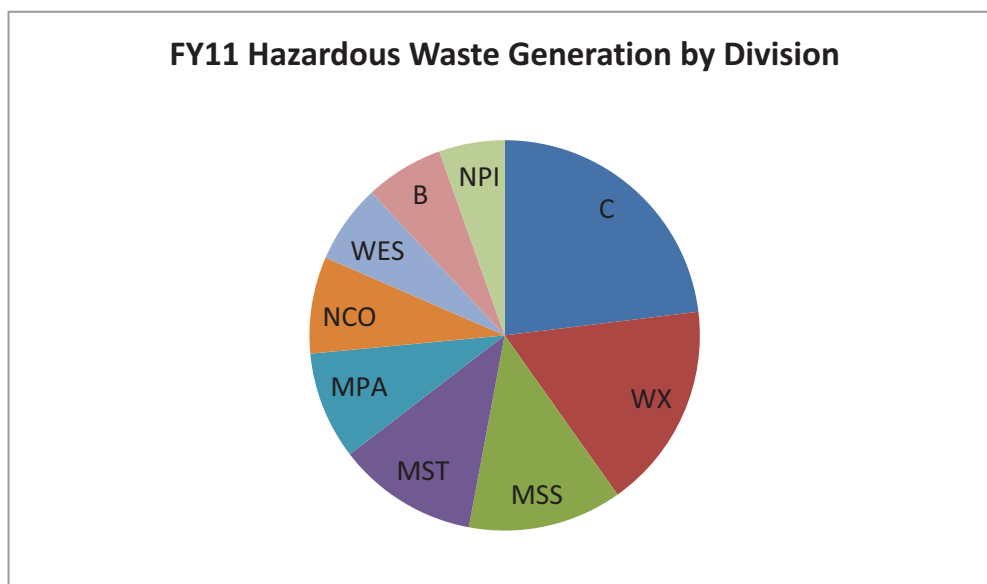
(Note: PCBs = polychlorinated biphenyls, SWS = Sanitary Wastewater System, TSCA = Toxic Substances Control Act)

The quantity of routine and non-routine hazardous waste that was generated and the amount of hazardous waste that was recycled during FY11 are shown in Figure 3-2. This graph does not include hazardous waste from remediation activities since that is discussed separately in Section 6.0 of this report.



**Figure 3-2. Hazardous waste and recycled hazardous waste generated during FY11, excluding remediation activities**

The divisions that produced the most hazardous waste during FY11 were Chemistry (C), Weapons Experimentation (WX), Maintenance and Site Services (MSS), Materials Science and Technology (MST), Materials Physics and Applications (MPA), Nuclear Component Operations (NCO), Waste and Environmental Services (WES), Bioscience (B), and Nuclear Process Infrastructure (NPI). The hazardous waste generation by division is shown in Figure 3-3.



**Figure 3-3. Hazardous waste by division during FY11. This includes routine and non-routine hazardous waste generation, but it does not include remediation waste.**

### 3.2 Hazardous Waste Minimization Performance

The amount of non-remediation hazardous waste generated in FY11 was 11,335 kg, excluding recycled materials such as batteries, aerosol cans, bulbs, and elemental mercury. This amount was considerably less than the 14,603 kg of non-remediation hazardous waste generated during FY10. During FY11, remediation activities generated 41,460 kg of hazardous waste. This amount is much more than the 460 kg of hazardous waste generated from remediation activities during FY10. Hazardous waste generated by remediation activities is discussed in more detail in Section 6.0. All of the hazardous waste generated at LANL in FY11 is shown in Table 3-1 sorted by the generating division. Hazardous waste from remediation is listed as well and noted after the division name.

**Table 3-1. Generation of Hazardous Waste by Division during FY11**

Division	Hazardous Waste in kg
Corrective Actions Project ( <i>remediation</i> )	22,849
Environmental Programs ( <i>remediation</i> )	18,148
Chemistry	2011
Weapons Experimentation	1492



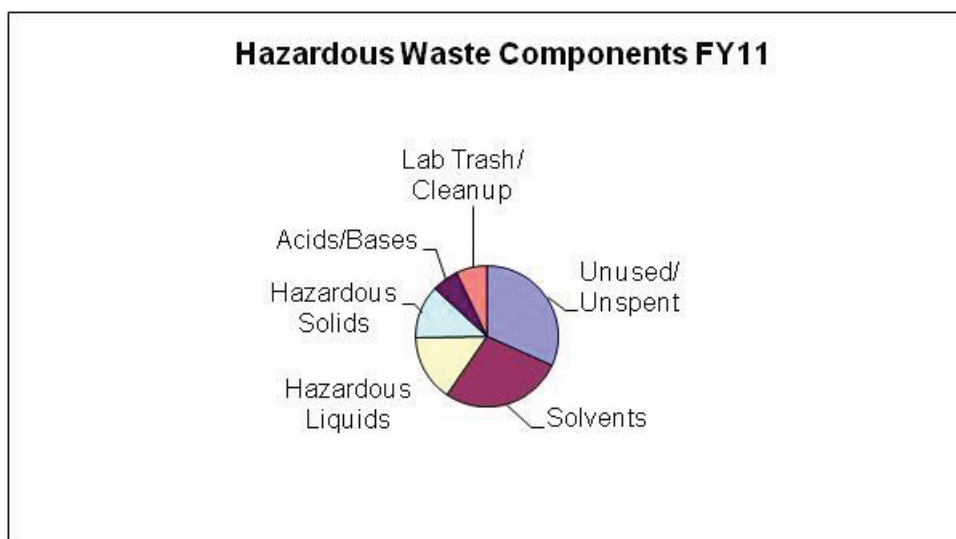
Maintenance and Site Services	1112
Materials Science and Technology	1014
Materials Physics and Applications	779
Nuclear Component Operations	699
Waste and Environmental Services	570
Bioscience	567
Nuclear Process Infrastructure	473
Waste Disposition Project	462
Site Projects	432
Earth and Environmental Sciences ( <i>remediation</i> )	336
Chemistry and Metallurgy Research Replacement	220
International and Applied Technology	220
Weapon Systems Engineering	181
Director's Office	161
Earth and Environmental Science	160
Physics	142
Nuclear Nonproliferation	136
Accelerator Operations and Technology	117
Radiation Protection	73
International Space and Response	68
Waste Disposition Project ( <i>remediation</i> )	59
Prototype Fabrication	56
Chemistry ( <i>remediation</i> )	45
Applied Engineering and Technology	33
Weapons Program	24
Environment, Safety, Health, and Quality	24
Industrial Hygiene and Safety	23
TA-55 Facility Operations	22
LANSCE	19
Plutonium Manufacturing and Technology	17
Bioscience ( <i>remediation</i> )	13
Manufacturing Engineering and Technology	12
Security and Safeguards	7
Central Training	3
Emergency Operations	2
Construction Management	1
Environmental Protection	1
Project Management Function	1

### 3.3 Waste Stream Analysis

Hazardous waste is derived from hazardous materials and chemicals purchased, used, and disposed of; hazardous materials already present that are disposed of as part of equipment replacement, facility replacement, or decommissioning; and water contaminated with hazardous materials. After material is declared waste, the hazardous waste is

characterized, labeled, and collected in appropriate storage areas. The waste is ultimately shipped to offsite TSDFs for final treatment or disposal.

The largest waste streams in the routine and non-routine hazardous waste category for FY11 are described in this section. This analysis excludes recycled items and wastes from remediation activities since remediation wastes are discussed in Section 6.0. HE waste and HE wastewaters are treated onsite, and these are also excluded. Spent research and production chemicals make up the largest number of individual hazardous waste items. The breakdown of components of hazardous waste for FY11 is shown in Figure 3-4.



**Figure 3-4. FY11 hazardous waste stream components excluding remediation waste**

**Unused/Unspent Chemicals.** The volume of unused and unspent chemicals varies each year, but this waste stream comprised the largest fraction of the total non-remediation hazardous waste in FY11. Researchers are encouraged not to buy more of any chemical than they are certain to need for several months to avoid having any unused amount. Efforts to “right-size” chemical procurements and share chemicals are being addressed. Past cleanouts at LANL and lower rates of chemical purchasing have reduced the volume of this waste stream. LANL’s ChemLog system is set up to allow researchers to find and request unwanted, unexpired chemicals from other researchers.

**Solvents.** EPA-listed and characteristic solvents and solvent-water mixtures are used widely in research, maintenance, and production operations, especially for cleaning and extraction. Nontoxic replacements for solvents are used whenever possible, and new procedures are adopted when possible that either require less solvent than before or eliminate the need for solvent altogether. Recent acquisitions of solvent distillation equipment have reduced the total amount of solvent used, especially in Bioscience Division. As a result, the total volume of solvents generated has decreased over the past decade. However, solvents are still required for many procedures, such as HPLC, and solvents persist as a large component of the hazardous waste stream. In FY11, about one fifth of the solvent waste stream was composed of lacquer thinner. Also, over one tenth of the solvent waste stream was composed of thermostatic control beads that contain toluene,

and this waste came from a one-time clean-out event. The volume of solvents generated in FY11 was slightly less than was generated during FY10.

**Acids and Bases.** A variety of strong acids and bases are routinely used in research, testing, and production operations. Over the past decade, the overall volume of hazardous acid and base waste has been reduced mainly by using new procedures that require less acid or base, by recycling acids onsite for internal reuse, and by reusing spent acids and bases internally as part of established neutralization procedures. Acids made up over 60% of this waste stream during FY11. The volume of acids produced during FY11 was slightly more than was produced in FY10.

**Hazardous Solids.** This waste stream includes inert barium simulants used in HE research, contaminated equipment, cathode ray tubes, broken leaded glass, firing site debris, and various solid chemical residues from experiments. During FY11, leaded glass and broken, non-recyclable lead-acid batteries were the largest components of this waste stream. In FY11, one demolition project at TA-54 contributed over one third of the total non-remediation hazardous solid waste, and this waste stream is not likely to occur again.

**Hazardous Liquids.** This waste stream is primarily aqueous, neutral liquids that are generated from a variety of analytical chemistry procedures. This waste stream also includes aqueous waste from chemical synthesis, spent photochemicals, electroplating solutions, refrigerant oil, ethylene glycol, and contaminated ferric chloride solution. In FY11, the largest components were mop water from cleaning out a tank at DAHRT, spent machining coolant, and nitrate solutions. In FY11, the weight of hazardous liquids was significantly less than was generated during FY10.

**Lab Trash and Spill Cleanup.** Lab trash mostly consists of paper towels, pipettes, personal protective equipment, and disposable lab supplies. Rags are used for cleaning parts, equipment, and various spills. Equipment improvements have reduced the number of oil spills from heavy equipment, and new cleaning technologies have eliminated some processes where manual cleaning with rags was required. In FY11, the weight of lab trash and spill cleanup was about half of the amount generated during FY10.

### 3.4 Hazardous Waste Minimization

Chemicals are required to perform R&D experiments, properly maintain facilities, and produce materials and items related to mission activities. Good laboratory practices are followed, and employees are trained extensively to work safely with chemicals and minimize the amount of waste generated. The Pollution Prevention Program is always looking for new equipment or process technologies that will reduce the amount and/or toxicity of chemical waste generated. The Pollution Prevention Program provides many new projects to minimize the amount of hazardous waste generated with GSAF funds each year. A virtual chemical reuse site was launched in 2011 and two pilot “chemical pharmacies” were established. The pharmacies are managing non-hazardous materials in the first year while results are measured and evaluated. Reducing chemical waste generation has many positive implications, including improved efficiency, lower costs, easier compliance with environmental regulations, and a safer working environment.

### **Mercury Substitution**

Researchers typically replace mercury-containing thermometers as they get broken with non-mercury thermometers. By doing so, the chances of accidentally spilling mercury and creating hazardous waste are reduced. It is especially valuable to have non mercury thermometers in RCAs so that generation of MLLW can be avoided. The elemental mercury in old thermometers and in other obsolete mercury-containing equipment gets recycled.

### **Acid Waste Reduction and Recycling**

The metal plating shop in Material Physics and Applications Division uses an acid recycling system to recover nitric and hydrochloric acids for reuse in plating procedures within the shop. The system recovers about 90% of the acid used, and over 400 kg of hazardous waste acid are avoided every year through this reuse activity. Plutonium Manufacturing and Technology Division uses a nitric acid recycling system so that a significant fraction can be reused multiple times instead of becoming waste. Approximately 2036 kg of ferric chloride solution were sent offsite to be recycled and resold during FY11, and this would otherwise have become hazardous waste.

### **Base Waste Reduction and Recycling**

Weapons Experimentation Division uses sodium hydroxide solution to remove film resist from copper cables after etching. Over time, the sodium hydroxide solution gets diluted and is no longer useful for this purpose. Instead of disposing of the spent caustic solution, it is used in a process to neutralize waste acidic liquid. The neutralization procedure works very well with the spent caustic solution, and no new caustic chemicals need to be purchased for this purpose.

### **Solvent Waste Reduction and Recycling**

There have been many projects implemented to reduce the use of solvents since solvents have consistently been one of the largest components of the hazardous waste stream.

- Experiments in organic synthesis laboratories generate a large amount of glassware with organic residues. Solvents and oxidizing acids were formerly used to clean this glassware, thus generating hazardous waste. Besides the generation of waste, this process is time consuming and expensive. Two organic synthesis labs purchased Tempyrox Pyroclean ovens to clean the glassware with heat. The ovens eliminate the chemicals and other problems associated with manual cleaning. The organic vapors from this process are destroyed by a catalytic oxidizer system.
- The heavy equipment maintenance shop once cleaned metal parts by manually scrubbing them in solvent. The shop purchased a hot water parts washer, and the employees found that the hot water parts washer worked better for cleaning metal parts than solvent. The hot water parts washer saves time for employees, decreases

their chemical exposure, and reduces hazardous waste solvent generation by about 4000 kg annually.

- The Material Testing Lab uses a binder oven to test the amount of oil present in samples instead of performing solvent-based extractions. A sample can be weighed initially, baked in the oven, and then weighed again to determine how much oil was baked off from the sample. This improvement project reduces about 400 kg of hazardous waste annually.
- In Bioscience Division, the solvent formamide was eliminated from the preparation process to sequence strands of DNA. Formamide is a suspect teratogen, and employees proved that a water-based solution called TE worked just as well as formamide for suspending DNA prior to sequencing. Eliminating formamide reduces hazardous waste solvent and lab trash.
- The Chemistry Division organic synthesis team once performed experimental chemical synthesis activities in large glassware (25 mL to 2 L) reaction vessels. Now the researchers use reaction vessels of 5 mL or less, which greatly reduces the volume of solvent used. Typical solvents include toluene, methylene chloride, tetrahydrofuran, and ethanol.
- Two laboratories in Bioscience Division installed solvent recovery systems for acetonitrile in HPLC waste. These systems prevent the generation of approximately 100 gallons of hazardous waste solvents per week.
- The LANS protective forces subcontractor uses a non-hazardous cleaning solution, “Gunzilla”, for their guns instead of the hazardous solution that was previously used.

### **Coolant Waste Reduction and Recycling**

Material Physics and Applications and Weapons Components Manufacturing Divisions both implemented coolant recycling systems in their machine shops. Coolant is always used during machining procedures to ensure the quality of the machined pieces and maximize the lifetime of the machine tools. These two divisions used to produce about 15,000 kg of hazardous waste coolant annually. The coolant recycling system eliminated coolant waste from these facilities, and now only recyclable oil is generated.

### **Lead-Free Ammunition**

Lead is a persistent, bioaccumulative toxin in the environment. Historically, the protective forces subcontractor, SOC, has used traditional lead-containing bullets during training exercises at the small-arms range. A lead-free ammunition project purchased 100,000 rounds of frangible lead-free ammunition for use in handguns during training exercises.

In addition, the protective forces staff uses high-accuracy scopes on their weapons, and this allows them to achieve certification while using many fewer bullets. The bullets used for certification are required to be the standard lead-containing variety.

### **3.5 Barriers to Hazardous Waste Minimization**

The largest component of the hazardous waste stream during FY11 was unused and unspent chemicals. Full or partially used bottles of chemicals or other products are sent for disposal once they have expired. If a research project is discontinued, the scientists may no longer need some of the chemicals that were allocated to that project. In some cases of project discontinuation, usable chemicals are distributed to other researchers in the same building who can use them.

Through the EMS, directorates are being asked to set specific objectives and targets for chemical waste reduction. Contract performance measures have been adopted to require comprehensive inventory and disposition pathway development.

## 4.0 Mixed Transuranic Waste

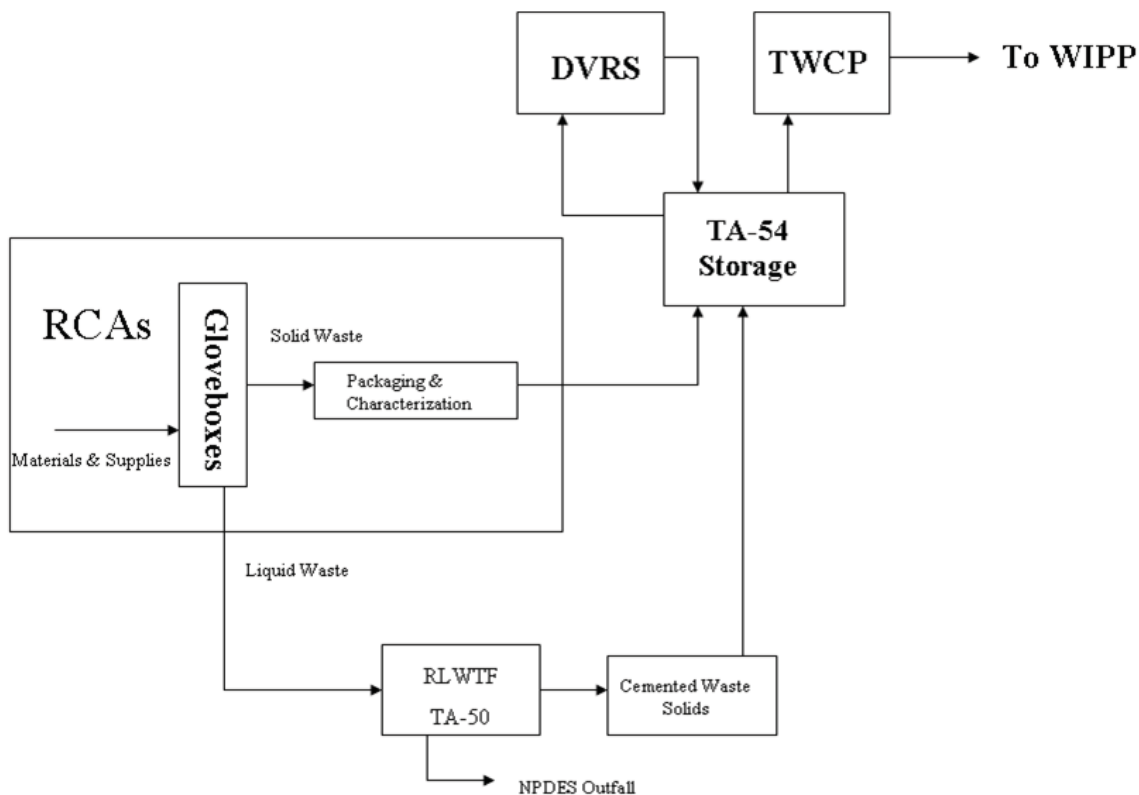
### 4.1 Introduction

MTRU waste has the same definition as TRU waste, except that it also contains hazardous waste regulated under RCRA. TRU waste contains >100 nCi of alpha-emitting TRU isotopes per gram of waste, with half-lives greater than 20 years (atomic number greater than 92), except for (1) high-level waste; (2) waste that the DOE has determined, with the concurrence of the Administrator of the EPA, does not need the degree of isolation required by 40 CFR 191; or (3) waste that the US Nuclear Regulatory Commission has approved for disposal on a case-by-case basis in accordance with 10 CFR 61. MTRU waste is generated during research, development, nuclear weapons production, and spent nuclear fuel reprocessing.

MTRU waste has radioactive elements such as plutonium, neptunium, americium, curium, and californium. These radionuclides generally decay by emitting alpha particles. MTRU waste also contains radionuclides that emit gamma radiation, requiring it to be either contact handled or remote handled. MTRU waste is disposed of at the Waste Isolation Pilot Plant (WIPP), a geologic repository near Carlsbad, New Mexico.

MTRU waste can be classified as either legacy waste or newly generated waste. Legacy waste is that waste generated before September 30, 1998. DOE-EM is responsible for disposing of this waste at WIPP and for all associated costs. Newly generated waste is defined as waste generated after September 30, 1998, and DOE DP is responsible for disposing of this waste at WIPP. Newly generated wastes are subdivided further into solid and liquid wastes, as well as routine and non-routine wastes. Solid wastes include cemented residues, combustible materials, noncombustible materials, and non-actinide metals. Liquid MTRU is a small percentage of total MTRU, and these wastes are primarily organic liquids.

MTRU solid wastes are accumulated, characterized, and assayed for accountability purposes at the generation site. MTRU solid waste is packaged for disposal in metal 55-gallon drums, standard waste boxes, and oversized containers. Security and safeguards assay measurements are conducted on the containers for accountability before they are removed for transport. Certification of the waste for transport and disposal at WIPP is currently done by the TRU Waste Project Support Group. The top-level process map for MTRU waste is shown in Figure 4-1.



**Figure 4-1. Top-level MTRU waste process map and waste streams**  
 (Note: DVRS = Decontamination and Volume Reduction System,  
 TWCP = TRU Waste Characterization Program)

Typically, research production materials and supplies are brought into an RCA and introduced into a glovebox. Waste leaves the glovebox as either solid or liquid. Solid wastes are packaged, characterized, and shipped to TA-54 for storage. Liquid wastes are sent to the RLWTF for treatment. The radionuclides and other contaminants are removed as a cemented solid waste at the RLWTF and shipped to TA-54 for storage, and the remaining water is discharged to a NPDES-permitted outfall. All waste is processed by the TRU Waste Characterization Program (TWCP in Figure 4-1) prior to shipment to WIPP.

During FY11, the routine and non-routine MTRU waste was generated by the groups at TA-55, remediation at TA-21, operations at the RLWTF, and by the Offsite Source Recovery Program. The Waste Disposition Project repackaged some of this MTRU waste so that WIPP acceptance criteria were fulfilled. The TA-21 remediation project generated significantly more MTRU cleanup waste in FY11 than in FY10, and remediation waste is discussed further in Section 6.0.

#### 4.2 MTRU Waste Minimization Performance

LANS shipped offsite 161,604 kg of MTRU waste during FY11. This is considerably more than the 142,220 kg of MTRU shipped during FY10, and most of this was due to increased remediation activity at TA-21. During FY11, repackaging activities generated



94,578 kg of MTRU. Programmatic work activities generated 17,945 kg of MTRU at TA-55 and TA-50 during FY11. Demolition and remediation at TA-21 generated 48,745 kg of MTRU remediation waste during FY11. In FY11, the Offsite Source Recovery Program generated 336 kg of MTRU. The breakdown of MTRU generation at LANL during FY11 is shown in Table 4-1. All MTRU waste is included, and remediation waste is noted after the division name.

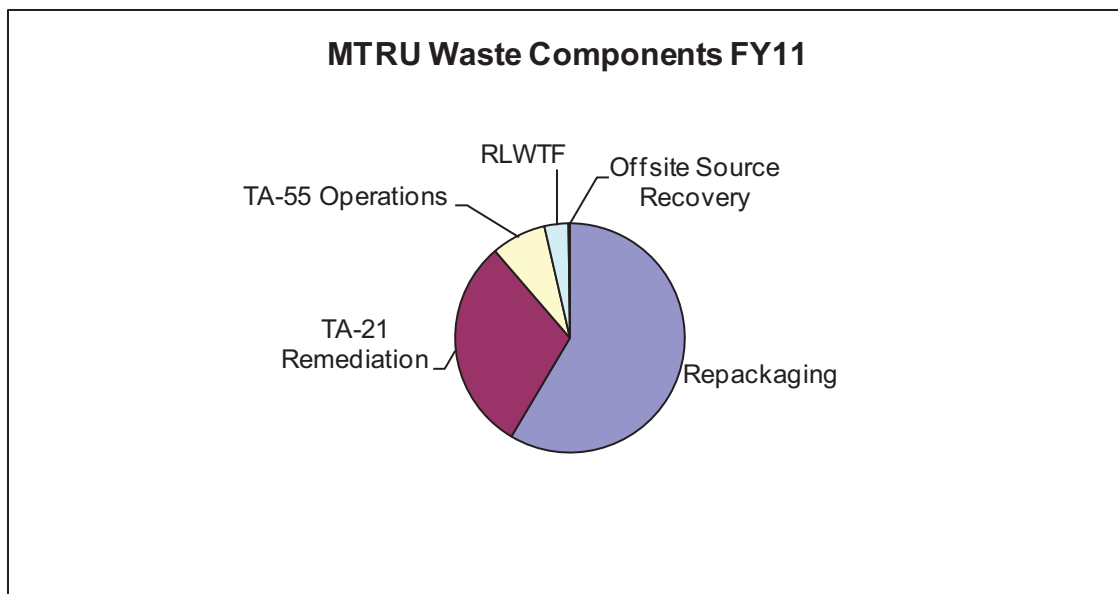
**Table 4-1. Generation of MTRU Waste by Division during FY11**

<b>Division</b>	<b>MTRU Waste in kg</b>
Waste Disposition Project (repackaging)	94,578
Waste Services and TA-21 ( <i>remediation</i> )	48,745
Waste and Environmental Services (TA-55 operations)	12,482
Radioactive Liquid Waste Treatment Facility	5463
Nuclear Nonproliferation (Offsite Source Recovery)	336

### 4.3 Waste Stream Analysis

MTRU wastes are generated within RCAs. These areas also are material balance areas for security and safeguards purposes. The TA-55 Plutonium Facility processes <sup>239</sup>Pu from residues generated throughout the defense complex into pure plutonium feedstock. The manufacturing and research operations performed in the processing and purification of plutonium result in the production of plutonium-contaminated scrap and residues. These residues are processed to recover as much plutonium as possible. These recovery operations, associated maintenance, and plutonium research are the sources of MTRU waste generated at TA-55.

MTRU wastes, process chemicals, equipment, supplies, and some RCRA materials are introduced into the RCAs in support of the programmatic mission. Because of the hazards inherent in the handling, processing, and manufacturing of plutonium materials, all process activities involving plutonium are conducted in gloveboxes. All materials removed from the gloveboxes must be multiple-packaged to prevent external contamination. Currently, all material removed from gloveboxes is considered to be TRU or MTRU waste. Large quantities of waste, primarily solid combustible materials such as plastic bags, cheesecloth, and protective clothing, are generated as a result of contamination avoidance measures taken to protect workers, the facility, and the environment. The percentage breakdown of MTRU generated during FY11 is shown in Figure 4-2.



**Figure 4-2. Composition of MTRU waste by volume for FY11**

**Repackaging.** Standards for waste acceptance at WIPP change periodically, so when this occurs, some drums of MTRU waste at LANL need to be repackaged to conform to new packaging standards. The waste inside the drums is old operational waste that is now packaged to meet the new standards. About 58% of the MTRU waste generated at LANL during FY11 came from repackaging activities. In FY11, the total weight of repackaged MTRU waste was less than was generated during FY10.

**TA-55 Operations.** Operational waste generated at TA-55 includes non-special nuclear material metal, plastic, cheesecloth, protective clothing, glass, filters, graphite, rubber, ceramics, ash, metals, lead-lined gloves, and a small volume of organic chemicals and oil. About 8% of the MTRU waste generated at LANL in FY11 was from TA-55 operations.

**RLWTF.** The RLWTF treats MTRU liquid in batches. At the end of the treatment process, the settled sludge is removed, dewatered, and then cemented in drums for disposal at WIPP. About 3% of the MTRU waste generated at LANL during FY11 was sludge from the RLWTF.

**Remediation.** Structures at TA-21 are being demolished and material from an old landfill onsite is being removed, and some of the materials qualify as MTRU waste. Remediation work is discussed in more detail in Section 6.0. About 30% of the MTRU waste generated at LANL in FY11 was from remediation work at TA-21, and this is significantly more than was generated during FY10.

**Offsite Source Recovery.** The Offsite Source Recovery Program collects radioactive sources from offsite and packages them for disposal to prevent these items from being used or disposed of improperly. These items were not originally produced at LANL, but it is safer for everyone to have LANL collect and dispose of these items rather than leave them in their offsite locations. Less than 1% of the MTRU waste generated at LANL in FY11 was from the Offsite Source Recovery Program.

#### **4.4 Mixed Transuranic Waste Minimization**

Many process improvements have been identified for implementation within TA-55 and in the processing of MTRU waste after it is produced. Changes in TA-55 processes are made very slowly due to the caution involved with moving new equipment into RCAs and qualifying new processes or changes. Waste minimization projects focus on elimination of RCRA components from products and processes in operations that generate MTRU waste. MTRU waste minimization and avoidance projects are typically funded by the ENV-ES GSAF Program and by operating funds. Money from the GSAF fund is used to pay for projects designed to reduce the generation of MTRU waste. The GSAF projects are described in Section 2.5.1 of this report. In addition, some leaded glovebox gloves were replaced with unleaded gloves in FY11.

The great majority of MTRU waste generated in FY11 was from remediation work and repackaging work. Since these activities will not continue indefinitely, the amounts of waste from these processes will decrease over time. Routine MTRU waste generated by operational activities has been reduced as a result of past Pollution Prevention activities. These activities include replacing lead with a non-hazardous substance whenever possible in items such as gloves and shielding; using non-hazardous solvents or redesigning processes to minimize chemical use whenever possible; using reusable equipment, such as Teflon-coated tubes, instead of disposable equipment; using carbon dioxide plasma for cleaning parts instead of trichloroethylene; and decontaminating equipment to prolong its useful life.

#### **4.5 Barriers to MTRU Minimization**

Packaging requirements at WIPP often make minimization efforts difficult. There are wattage and dose limits that must not be exceeded, and a very small volume of MTRU could potentially have a high wattage. All of the containers sent to WIPP are 55 gallons or larger, and often the containers have very small volumes of waste inside with the majority of the internal volume being empty space. As seen in Figure 4-2, repackaging waste was the largest fraction of MTRU generated at LANL during FY11.

## 5.0 Mixed Low-Level Waste

### 5.1 Introduction

For waste to be considered MLLW, it must contain hazardous waste and meet the definition of radioactive LLW. LLW is defined as waste that is radioactive and is not classified as high-level waste, TRU waste, spent nuclear fuel, or by-product materials (e.g., uranium or thorium mill tailings). Test specimens of fissionable material irradiated only for R&D and not for the production of power or plutonium may be classified as LLW, provided that the activity of TRU waste elements is  $<100$  nCi/g of waste.

Most of the routine MLLW results from stockpile stewardship and from R&D programs. Most of the non-routine waste is generated by off-normal events such as spills in legacy-contaminated areas. The DOE is interested in the volumes of routine and non-routine MLLW, so these materials are tracked separately. Typical MLLW items include contaminated lead-shielding bricks and debris, R&D chemicals, spent solution from analytic chemistry operations, mercury-cleanup-kit waste, electronics, copper solder joints, and used oil.

Figure 5-1 shows the process map for MLLW generation.

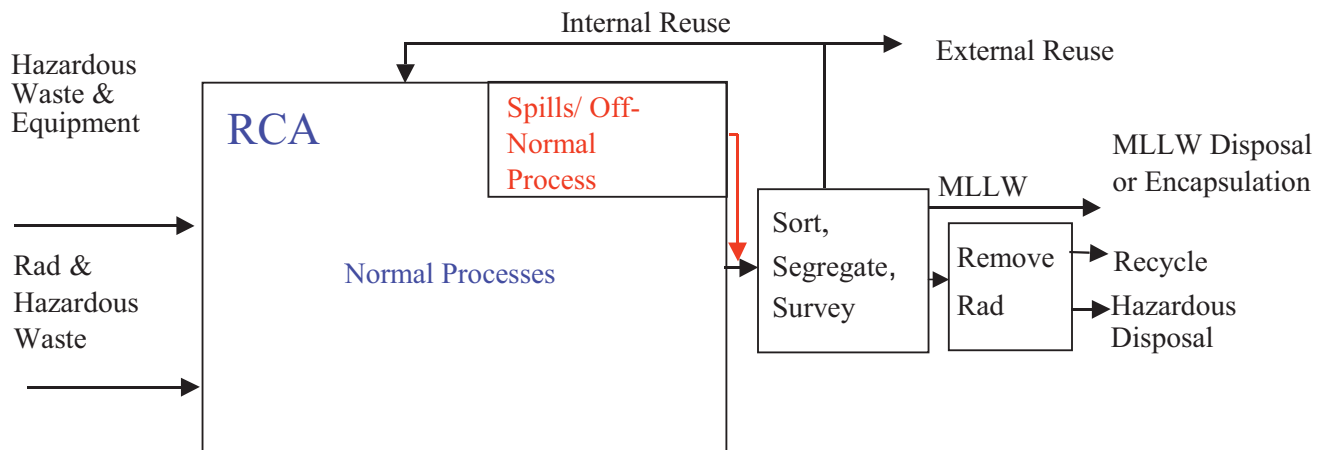
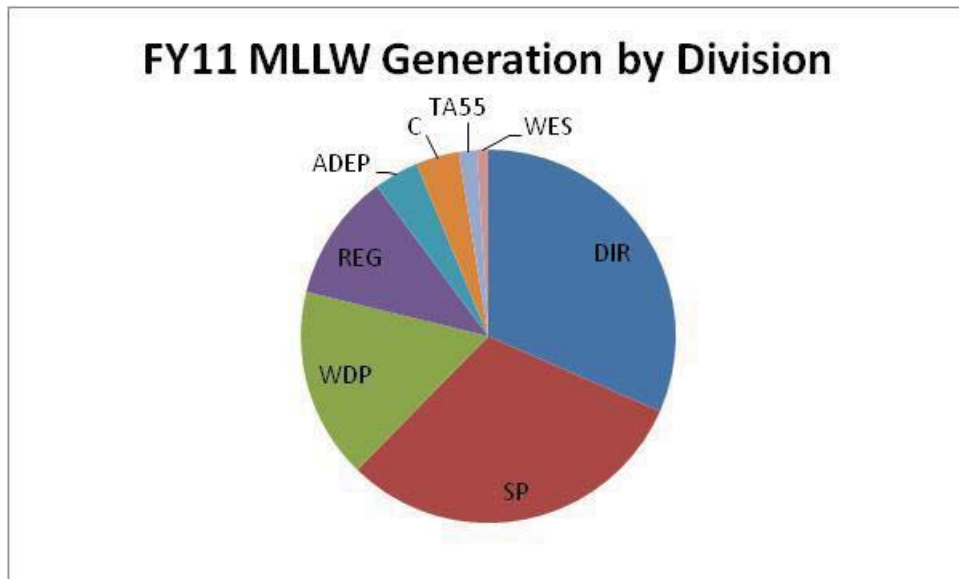


Figure 5-1. Top-level MLLW process map

Figure 5-2 shows MLLW generation by division during FY11, including MLLW from remediation work.



**Figure 5-2. Total MLLW generated by division in FY11, including MLLW generated by remediation work**

The divisions that generated the most routine and non-routine MLLW during FY11 were the Director’s Office (DIR), Site Projects (SP), the Waste Disposition Project (WDP), Regulatory Management (REG), Environmental Programs (ADEP), Chemistry (C), TA-55 Facility Operations (TA55), and Waste and Environmental Services (WES).

## 5.2 MLLW Waste Minimization Performance

MLLW generation for FY11 was 34,354 kg, excluding MLLW generated from remediation work. This total includes waste from dismantling the old Ion Beam Facility and also former MTRU waste that now qualifies as MLLW and was repackaged as such. Remediation work performed during FY11 generated 28,761 kg of MLLW, and this waste is discussed in greater detail in section 6.0. Table 5-1 includes all MLLW generated at LANL during FY11, and remediation waste is noted after the division name.

**Table 5-1. Generation of MLLW by Division during FY11**

<b>Division</b>	<b>MLLW in Kilograms</b>
Director’s Office ( <i>remediation</i> )	19,386
Site Projects (equipment from old Ion Beam Facility)	18,921
Waste Disposition Project (reclassification of former MTRU)	10,108
Regulatory Management ( <i>remediation</i> )	6771
Environmental Programs ( <i>remediation</i> )	2391
Chemistry	2298

TA-55 Facility Operations	959
Waste and Environmental Services	600
Maintenance and Site Services	364
Plutonium Science and Manufacturing	357
Nuclear Component Operations	264
Corrective Actions Project ( <i>remediation</i> )	213
Weapons Program	198
Weapons Component Manufacturing	61
Applied Engineering and Technology	56
Weapons Facilities Operations	54
Materials Physics and Applications	46
LANSCE Facility Operations	27
Weapon Systems Engineering	21
Materials and Science Technology	12
Chemistry and Metallurgy Research	9

MLLW is generated by routine programmatic work, remediation activities, lab cleanup activities, and D&D efforts. The remediation waste is discussed separately in Section 6.0 of this report. The volume of non-routine MLLW tends to vary significantly and often cannot be substantially minimized, so it is useful to examine the routine fraction of the MLLW waste stream separately to identify good waste minimization opportunities.

### 5.3 Waste Stream Analysis

Materials and equipment are introduced into an RCA as needed to accomplish specific work activities. In the course of operations, materials may become contaminated with LLW or become activated, thus becoming MLLW when the item is no longer needed.

MLLW is transferred to an SAA after it is generated. Whenever possible, MLLW materials are surveyed to confirm the radiological contamination levels. If decontamination will eliminate the radiological or the hazardous component, materials are decontaminated to prevent them from becoming MLLW.

Waste classified as MLLW is managed in accordance with appropriate waste management and Department of Transportation requirements and shipped to TA-54. From TA-54, MLLW is sent to commercial and DOE-operated treatment and disposal facilities.

The largest components of the routine and non-routine MLLW stream by weight in FY11 are reclassified MTRU, removal of old equipment from the Ion Beam Facility, repackaging waste, electronics, remediation waste, lead debris, oil, tritium-contaminated bulbs, and spent solvents. Less MLLW generation is anticipated in the future as environmental restorations are completed and old buildings are replaced, as nontoxic materials are substituted for mercury and lead, and as oil-free vacuum pumps replace older pumps.

The relative weights of various waste streams are shown in Figure 5-3. This does not include MLLW generated from remediation work.



**Figure 5-3. Constituents of MLLW in FY11, excluding MLLW generated by remediation work**

**Equipment from the Ion Beam Facility.** This is a one-time project ongoing from last year that involved removing 18,921 kg of old equipment from the Ion Beam Facility in FY11, which is almost as much MLLW as was removed from the facility in FY10. The equipment included electronics contaminated with tritium.

**Repackaging.** This waste was formerly classified as MTRU, but as MTRU standards changed, it was discovered that these wastes could be reclassified and disposed of as MLLW instead. This amount of this waste stream should be less in the future as more old MTRU waste is shipped offsite.

**Lead Debris.** The lead debris waste stream includes copper pipes with lead solder, lead-contaminated equipment, brass contaminated with lead, bricks, sheets, rags, electronics, and personal protective equipment contaminated with lead from maintenance activities. The volume of this waste stream is expected to decrease as lead is used for fewer applications.

**Old Equipment.** In FY11 this waste stream was composed of old gloveboxes being taken out of service, removal of an old tritium-contaminated freezer, maintenance on lighting and sprinkler systems in certain buildings, and removal of a building HEPA filtration system.

**Research Chemicals and Lab Trash.** This waste is composed of spent solvents, aqueous solutions, unused/unspent chemicals that have become contaminated in RCAs, analytical chemistry waste, gloves, personal protective equipment, dry painting debris, and paper towels. During FY11, the old CMR building continued to be cleaned out for future closure.

#### **5.4 Mixed Low-Level Waste Minimization**

Efforts to substitute alternatives and to improve sorting and segregation of these waste streams will reduce MLLW volumes in the coming years. The Pollution Prevention Program has implemented a number of projects such as lead-free solder, bismuth shielding in RCAs instead of lead, oil-free vacuum pumps in RCAs, reduction of electronics in RCAs, and elimination of nitric acid bioassay wastes. During FY11, money from the GSAF fund was used to pay for projects designed to reduce the generation of MLLW waste. These projects are described in Section 2.5.1 of this report. In FY11, no nitric acid MLLW was generated.

One especially promising project involves replacing traditional fluorescent fixtures with LED fixtures in gloveboxes. The LED lights do not contain any RCRA-regulated components, so after their useful life, they will not become MLLW as fluorescent lights do. The LEDs are much smaller and lighter than fluorescents, and the LEDs last longer, use less electricity, and generate less heat than fluorescents. From FY08 through FY11, groups at TA-55 purchased more LED lights for gloveboxes. During FY11, LANL disposed of only 15kg of fluorescent bulbs as MLLW from non-remediation projects.

#### **5.5 Barriers to MLLW Reduction**

One barrier to reducing the generation of MLLW is the DOE-imposed suspension of metals recycling from RCAs with particular postings. Previously, any scrap metal could be surveyed for radioactive contamination and released for recycling if no activity was detected. Since the suspension was imposed, scrap metal from RCAs with particular postings must be handled as waste. In particular, this suspension impacts MLLW in the area of electronics waste generation since electronic components often contain lead or other hazardous metals. Without the suspension, a larger percentage of electronics waste and scrap lead could be sent for recycling.



## 6.0 Remediation Waste

### 6.1 Introduction

Section 6.0 represents the WMin/PP Program awareness plan for the corrective actions component of the EP Directorate. This component includes the Business and Project Services Division, Corrective Action Projects (EP-CAP), TA-21 Closure Project (EP-TA21), and TA-54 Closure Project.

The mission of the EP corrective actions activities is to investigate and remediate potential releases of contaminants as necessary to protect human health and the environment. These activities are implemented to comply with the requirements of a Compliance Order on Consent (hereafter, Consent Order) between the NMED, DOE, and LANS. In completing this mission, activities may generate large volumes of waste, some of which may require special handling, treatment, storage, and disposal. Because the activities involve investigating and, as necessary, conducting corrective actions at historically contaminated sites, source reduction and material substitution are difficult to implement. The corrective action process, therefore, includes the responsibility and the challenge of minimizing the risk posed by contaminated sites while minimizing the amounts of waste that will require subsequent management or disposal. Minimization is desired because of the high cost of waste management, the limited capacity for onsite or offsite waste treatment, storage, or disposal, and the desire to minimize the associated liability.

### 6.2 Remediation Waste Minimization Performance

The FY11 waste generation and waste minimization summary is listed in Table 6-1.

**Table 6-1. FY11 Waste Generation Summary**

<b>Waste Type</b>	<b>Weight in Kilograms</b>
Solid Hazardous	41,460
Solid MLLW	28,761
Solid MTRU	48,745

Project activities in FY11 involved investigations, including well installation; cleanup, including removal of contaminated soil, debris, and wastes; and D&D of inactive facilities.

### 6.3 Waste Stream Analysis

This report addresses all RCRA-regulated waste that may be generated by the corrective actions during the course of planning and conducting the investigation and remediation of contaminant releases. Wastes generated include “primary” and “secondary” waste streams. Primary waste consists of generated contaminated material or environmental media that was present as a result of past DOE activities, before any containment and restoration activities. It includes contaminated building debris or soil from investigations and remedial activities. Secondary waste streams consist of materials that were used in the

investigative or remedial process and may include investigative-derived waste (e.g., personal protective equipment, sampling waste, drill cuttings); treatment residues; wastes resulting from storage or handling operations; and additives used to stabilize waste. The corrective actions may potentially generate hazardous waste, MLLW, and MTRU.

The majority of FY11 waste generation was the result of remediation and D&D, primarily at TA-21. Other waste-generating activities consisted of investigations, including well installation, and focused corrective actions. Investigations, corrective actions, and other activities associated with the Consent Order implemented during FY11 include the following:

- Excavation of Material Disposal Area (MDA) B
- D&D of 24 inactive structures at TA-21
- Investigations and corrective actions for Upper Cañada del Buey Aggregate Area, S-Site Aggregate Area, DP Site Aggregate Area, Middle Los Alamos Canyon Aggregate Area, Upper Los Alamos Canyon Aggregate Area, Lower Sandia Canyon Aggregate Area, Cañon de Valle Aggregate Area, Lower Mortandad/Cedro Canyons Aggregate Area, and Potrillo and Fence Canyons Aggregate Area
- Investigations of Potrillo and Fence Canyons; Ancho, Chaquehui, and Indio Canyons; and Water Canyon and Cañon de Valle
- Completion of the Phase III investigation for MDA C
- Completion of a background investigation for Bandelier Tuff Unit 4
- Maintenance of the Surface Corrective Measures Implementation at the 260 Outfall at TA-16
- Continued implementation of an interim measure to remove contaminated soils and sediments from the drainage below Solid Waste Management Unit 01-001(f) in Los Alamos Canyon
- Subsurface vapor monitoring at MDAs C, G, H, L, T, and V
- Plugging and abandonment of obsolete monitoring wells
- Performance of periodic groundwater monitoring in Ancho, Los Alamos, Mortandad, Pajarito, Sandia, Water, and White Rock Canyons
- Performance of sediment monitoring in Los Alamos and Pueblo Canyons
- Drilling and development of regional aquifer monitoring wells including R-60, R-61, R-63, and R-64
- Drilling and development of perched intermediate monitoring and test wells including CdV-16-4ip and R-55i
- Performance of pump testing at well CdV-16-4ip.

#### **6.4 Remediation Waste Minimization**

Waste minimization and pollution prevention were integral parts of the FY11 planning activities and field projects through recycling, reuse, contamination avoidance, risk-based cleanup strategies, and many other practices. Waste reduction benefits are typically difficult to track and quantify because the data to measure the amount of waste reduced (as a direct result of a pollution prevention activity) are often not available and are not easily extrapolated. In addition, many waste minimization practices employed during previous

years are now incorporated into standard operating procedures.

The WMin/PP Program techniques used in FY11 to reduce investigation-related waste streams led to the following accomplishments:

- Dry decontamination techniques continued to be used almost exclusively during field investigations, thereby minimizing generation of liquid decontamination wastes.
- The formal procedure for land application of the groundwater extracted during well drilling, development, sampling, and rehabilitation developed by the Water Quality and RCRA Group (ENV-RCRA) in FY08 continued to be implemented. Drilling, development, and purge waters constitute a major potential waste source for EP-CAP (i.e., upwards of 100,000 gal. may be produced per well). This procedure, which incorporates a decision tree negotiated with NMED, allows groundwater to be land applied if this will be protective of human health and the environment. Use of this procedure minimizes the amount of purge water that must be managed as wastewater. A total of approximately 637,000 gallons of development water and drilling fluids from well drilling and rehabilitation and 406,000 gallons of purge water from well sampling was land applied during FY11.
- The formal procedure for land application of drill cuttings developed by ENV-RCRA in FY08 continued to be implemented. Drill cuttings constitute a major potential source of solid wastes generated by EP-CAP. This procedure, which incorporates a decision tree negotiated with NMED, allows drill cuttings to be land applied if this will be protective of human health and the environment. These drill cuttings do not have to be managed and disposed of as waste. Additionally, land-applied drill cuttings can be beneficially reused as part of drill site restoration. A total of approximately 1500 cubic yards of drill cuttings from well drilling and subsurface investigation boreholes were land applied during FY11.
- Overburden materials at MDA B were characterized before excavation to determine if these materials could be beneficially reused. These materials were determined to be uncontaminated and were segregated from other excavated materials to avoid contamination. Fifteen thousand cubic yards of overburden materials were reused as excavation backfill and storm water best management practices rather than managed as waste.
- Additional investigations were conducted at two suspected waste disposal trenches at MDA B that were planned for excavation. Based on these investigations it was determined that these areas were never used for waste disposal and the areas were not excavated, thereby avoiding generation of waste.
- Workers at the MDA B remediation project utilized over 100,000 articles of personnel protective equipment (PPE). The MDA B project used OREX PPE, which is made of a recyclable material. Use of OREX PPE avoided generation of approximately 260 cubic yards of solid waste.
- Waste characterization and segregation were incorporated into TA-21 D&D activities to maximize opportunities for recycling, salvage, and beneficial reuse. Four hundred eighteen tons of structural metal and metal equipment was

determined to be suitable for recycling and sent to off-site recycling facilities. Sixty-nine cubic yards of other equipment, including an emergency generator, air compressors, boilers, pumps, tanks, fencing, circuit boards, and a glovebox were determined to be suitable for salvage. Approximately 4,600 cubic yards of concrete and concrete masonry units were size-reduced and beneficially reused on site as backfill material.

- Well drilling activities funded under the American Recovery and Reinvestment Act (ARRA) generated approximately 320,000 gallons of drilling fluids. These fluids were evaporated on site, eliminating the need for discharge or disposal.
- Lead “pigs” that had been used at Area G to store radioactive sources were sent off site for recycling, rather than being disposed of as waste. The lead was used to make lead drums for transporting radioactive materials at other DOE sites.
- Forty-six cubic yards of metal associated with D&D of Dome 281 at Area G was characterized and determined to be suitable for recycle. This material was sold to an off-site metal recycler rather than being disposed of as waste.
- EP continued to take actions during FY11 to improve integration of the EMS into remediation activities and to improve awareness of the EMS by EP subcontractors. These actions included flowing down EMS requirements into the environmental requirements in subcontracts and increasing environmental communications through Worker Safety and Security Teams. These activities resulted in increase awareness of waste minimization requirements and opportunities by EP subcontractors.

### **Sort, Decontaminate, and Segregate**

This task is currently being implemented by EP-CAP and EP-TA21 and is designed to segregate contaminated and non-contaminated soils so that non-contaminated soils can be reused as fill. These practices are implemented at sites where contaminated subsurface soils and structures are overlain by uncontaminated soils. During excavation to remove the contaminated soils and structures, the uncontaminated overburden is segregated and staged apart from contaminated materials. Following removal of the contaminated soils and structures, the overburden is tested to verify that it is nonhazardous and meets residential soil screening levels. If so, this material is used as backfill for the excavation. This practice minimizes the amount of contaminated soil that must be disposed of as waste and also minimizes the amount of backfill that must be imported from off site.

Segregation is also used to allow “contact” waste generated during investigations to be managed through the GIC (Green-is-Clean) Program, rather than disposed of as radioactive waste. During FY11, a total of approximately 500 cubic feet of contact waste from site investigation and groundwater sampling activities was managed through GIC.

### **Survey and Release**

Past practices have conservatively classified non-indigenous investigation-derived waste (e.g., personal protective equipment, sampling materials) as contaminated, based on association with contaminated areas. New policy allows corrective actions managers and project leaders to develop procedures to survey and release these materials as non-radioactive if the survey finds no radioactivity. This reduces the volume of LLW from corrective actions activities.

### **Risk Assessment**

Risk assessments are routinely conducted for corrective actions projects to evaluate the human health and ecological risk associated with a site. The results of the risk assessment may be used by NMED to determine whether corrective measures are needed at a site to protect human health and the environment. The risk assessment may demonstrate that it is adequately protective and appropriate or beneficial to leave waste or contaminated media in place, thus avoiding the generation of waste. Properly designed land-use agreements and risk-based cleanup strategies can provide flexibility to select remedial actions (or other technical activities) that may avoid or reduce the need to excavate or conduct other actions that typically generate high volumes of remediation waste.

### **Equipment Reuse**

The reuse of equipment and materials (after proper decontamination to prevent cross contamination) such as plastic gloves, sampling scoops, plastic sheeting, and personal protective equipment produced waste reduction and cost savings. When reusable equipment is decontaminated, it is standard practice to use dry decontamination techniques to minimize the generation of liquid decontamination wastes.

In addition, an equipment-exchange program was initiated, which identifies surplus or inactive equipment available for use. This not only eliminates the cost of purchasing the equipment, but it also prolongs the useful life of the equipment.

## **6.5 Pollution Prevention Planning**

The potential to incorporate pollution prevention practices into future activities is evaluated annually as part of LANL's EMS planning efforts. As has been done in previous years, actions related to pollution prevention are being incorporated into the FY12 Environmental Action Plan for EP developed as part of the EMS. As appropriate, specific actions and approaches that will be incorporated into planned corrective action projects for FY12 are:

- Segregation and recycle or reuse of uncontaminated materials.
- Continued use of land application of drill cuttings and fluids.
- Waste avoidance.
- Risk-based cleanup strategies.

To help improve the implementation of waste minimization activities, ADEP ensures communication of environmental issues to project participants. Environmental issues are and will continue to be integrated into routine project communications to increase awareness about waste minimization and promote sharing of lessons learned.

## 6.6 Barriers to Waste Minimization

In some instances, levels of waste minimization achieved fell below potentially achievable levels based on site conditions. Examples follow:

- The amount of investigation-derived waste generated during investigations conducted under the Consent Order has increased relative to investigations conducted under Module VIII. The investigation scope has increased under the Consent Order, resulting in the drilling of more boreholes and generation of more investigation-derived waste.
- The use of risk assessments to establish risk-based cleanup levels is one of the few opportunities available to corrective actions for source reduction. Pursuant to the Consent Order, however, implementation of such strategies is subject to approval by NMED. Further, the Consent Order limits the use of risk-based cleanup levels in lieu of the cleanup levels prescribed by the Consent Order. Therefore, the cleanup levels prescribed in the Consent Order may result in generation of more waste than would result from use of risk-based cleanup levels.
- The Consent Order requires long-term controls on sites that are cleaned up to other than residential cleanup levels. In order to allow for the possible future transfer of property from DOE ownership, some sites have been cleaned up to residential levels even though that is not the current land use (e.g., MDA V). The use of the more stringent residential cleanup levels has resulted in generation of a larger volume of waste than if the sites had been cleaned up based on current land use.
- The single largest potential source of waste generated by corrective actions is removal of buried waste or contaminated soil during implementation of corrective measures. Such actions have the potential to generate thousands of cubic meters of waste. In evaluating corrective measure alternatives, corrective action program and project leaders generally give preference to alternatives that would avoid generating large volumes of waste, provided they are protective of human health and the environment. The final decision on which corrective measure to implement at a site, however, will be made by NMED, subject to review and comment by the public. Thus, the corrective actions program and project leaders' waste minimization efforts may be affected by these decisions.

---

<sup>i</sup> Pollution Prevention Act of 1990 (Omnibus Budget Reconciliation Act of 1990), 42 U.S.C. 13101, et seq., available at <http://www.cornell.edu/uscode>.

---

<sup>ii</sup> US Environmental Protection Agency (EPA), May 1993. Interim Final Guidance, 58 F.R. 10, “Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program.”

<sup>iii</sup> US Department of Energy (DOE), May 1996. “Pollution Prevention Program Plan 1996,” US Department of Energy Office of the Secretary, DOE/S-0118, Washington D.C., available at <http://tis.eh.doe.gov/p2/p2integratedhomepage/p2plan.asp>.