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Title:	2011 LANL Biennial Hazardous Waste Report
Author(s):	Gregory S. Erpenbeck
Intended for:	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)



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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).

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NNSA/LANS also has an additional off-site hazardous waste generation facility with Environmental Protection Agemcy 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.

Mr. John E. Kieling ENV-RCRA-12-0049

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,

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

Sincerely,

Deve & Fund

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)







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

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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 LLC (NNSA/LANS) for the Los

magement (GM) forms (EPA Form
Mail Receipt for Merchandlee (0) hazardous wastewaters cempt from reporting on the (TF are sent to TA-54, and then
58 1

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540 A hazardous waste. About 257,000 kg was simpled on-site, 107,000 kg of which was mixed transmane waste sent to the Waste Isolation Pilot Plant (WIPP).

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Document: 2011 LANL Biennial Hazardous Waste Report Date: February 2012

## 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.

Date Signed

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

me Juner

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

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OMB#: 2050-0024 Expires 11/30/2011

OND#. 2030-0024	LXpires 11/30/2011					
SEND THE COMPLETED FORM TO: The Appropriate State or Regional Office	United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM					
1. Reason for Submittal	Reason for Submitt	al:		<b>C</b> 1 1		
MARK ALL BOX(ES) THAT APPLY	<ul> <li>To provide initial notification (to obtain an EPA ID Number for nazardous waste, universal waste, or used oil activities).</li> <li>To provide subsequent notification (to update site identification information).</li> <li>As a component of a First RCRA Hazardous Waste Part A Permit Application.</li> <li>As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #).</li> <li>As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</li> <li>Site was a TSD facility and/or generator of &gt;1 000 kg of hazardous waste &gt;1 kg of acute hazardous waste or</li> </ul>					
	>100 kg LQG reg	of acute hazardous waste spill c gulations)	leanup in one	e or more month	ns of the report year (or	State equivalent
2. Site EPA ID Number	EPA ID	Number: NM08900105	15			
3. Site Name	Name: LOS ALA	AMOS NATIONAL LABORA	ATORY			
4. Site Location	Street Address:	BIKINI ATOLL ROAD,	SM-30		-	
Information	City, Town, or Village: LOS ALAMOS			County: LOS AI	LAMOS	
	State: NM	Country: US			<b>Zip Code:</b> 87	545-
5. Site Land Type	Private	County District	Federal	Tribal	Municipal	State Other
6. NAICS Code(s) for the Site	(s)         A.         92811         B.         56221           git         C.         54171         D.         562212           Street or P.O. Box:         3747 WEST JEMEZ ROAD         V					
codes)						
7. Site Mailing Address						
	City, Town, or Village	ELOS ALAMOS				
	State: NM	Country: US	<b>B41</b> , <b>1</b> /7	Last	Zip Code: 8754	4-
8. Site Contact Person	Title: MANAGER	, LASO, DOE, NNSA		Last:	SMIIN	
	Street or P.O. Box:	PO BOX 1663				
	City, Town, or Village	e: LOS ALAMOS				
	State: NM	Country:		US	<b>Zip Code:</b> 87545-	-
	Email: ksmith2@doeal.gov					
	<b>Phone:</b> (505	5)667-5105 <b>Ex</b>	:t:	Fax:	( ) –	
9. Legal Owner and Operator	A. Name of Site's Leg	al Owner: UNITED STAT	ES DEPAR	TMENT OF	Date Becar Owner:	me 01/01/1943
of the Site	Owner Type:					
	Street or P.O. Box: 3747 WEST JEMEZ ROAD					
	City, Town, or Village	e: LOS ALAMOS			Phone:	(505)667-6691
	State: NM	Country: US			Zip Code:	87544-
	B. Name of Site's Ope	rator: LOS ALAMOS NAT	IONAL SE	CURITY, L	LC Date Becan Operator:	ne 06/01/2006
	Operator Type:	X Private 🗌 Count	y 🗌 District	Federal [	Tribal Municip	al State 🗌 Other

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10. Type of Regulated Waste Activity (at your site) Mark "Yes" or "No" for all current activities (as of the date submitt	ting the form): complete any additional hoves as instructed
A. Hazardous Waste Activities;Complete all parts for Items 1 through	7.
<ul> <li>Y K N 1. Generator of Hazardous Waste If "Yes" mark only one of the following - a, b, or c.</li> <li>K 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.</li> <li>b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs.) of non-acute hazardous waste</li> <li>c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste</li> <li>If "Yes" above, indicate other generator activities.</li> <li>Y N K 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.</li> <li>Y N K e. United States Importer of Hazardous Waste</li> <li>Y N M f. Mixed Waste (hazardous and radioactive) Generator</li> </ul>	Y X       N       2. Transporter of Hazardous Waste If "Yes", mark all that apply.         X       Transporter         Transfer Facility         Y X       N         3. Treater, Storer, or Disposer of Hazardous Waste (at your site) Note: A hazardous Waste (at your site) Note: A hazardous waste permit is required for these activities         Y       N X         4. Recycler of Hazardous Waste (at your site) Note: A hazardous waste permit may be required for this activity.         Y       N X         4. Recycler of Hazardous Waste (at your site) Note: A hazardous waste permit may be required for this activity.         Y       N X         5. Exempt Boiler and/or Industrial Furnace         a. Small Quantity On-site Burner Exemption         b. Smelting, Melting, Refining Furnace Exemption         Y       N X         6. Underground Injection Control         Y       N X         Y       N X
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         a. Batteries       X         b. Pesticides       X         c. Mercury containing equipment       X         d. Lamps       X         e. Other       Image or Accumulate         g. Other       Image or Accumulate         Y MX       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         Y       N         A. Used Oil Transporter         If "Yes", mark all that apply.         a. Transporter         b. Transfer Facility         Y       N         X       2. Used Oil Processor and/or Re-refiner - If "Yes", mark all that apply.         a. Processor         b. Re-refiner         Y       N         X       3. Off-Specification Used Oil Burner         Y       N         X       4. Used Oil Fuel Marketer         If "Yes", mark all that apply.         a. Marketer Who Directs Shipment of         Off-Specification Used Oil Burner         a. Marketer Who Directs Shipment of         Off-Specification Used Oil Burner         b. Marketer Who First Claims the Used Oil         Meets the Specifications

D. Eligible Acad wastes purse	<ul> <li>Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K</li> <li>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</li> <li>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:         <ul> <li>a. College or University</li> <li>b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university</li> <li>c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university</li> </ul> </li> </ul>					rsuant to n laboratories <b>/</b> : rsity
11. Description o	f Hazardous Wastes					
A. Waste Codes at your site if more spa	for Federally Regulat . List them in the ord ces are needed.	ed Hazardous Wastes er they are presented	s. Please list the d in the regulations (	waste codes of the e.g., D001, D003, FC	Federal hazardous v 007, U112). Use an a	vastes handled additional page
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       U23       U134       U135       U136       U138       U140       U144       U151       U156       U159       U162       U165       U169       U183       U188         U194       U201       U211       U213       U218       U220       U225       U228       U239       U246       U404       U464       U464 <t< th=""></t<>						

12. Notifi	cation o	f Hazardous Secondary I	laterial (HSM) Activity	
Υ	NX	Are you notifying under secondary material under	40 CFR 260.42 that you will begin managing, are managing, or will stop managing or 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?	hazardous
		lf "Yes", you must fill out Material.	the Addendum to the Site Identification Form: Notification for Managing Hazardous	Secondary
13. Comme	ents			
ksmit	h20d	oeal.gov		
<b>14. Certif</b> acco on m infor pena Haza	<b>ication.</b> rdance w y inquiry mation s lties for s ardous W	I certify under penalty c rith a system designed to a of the person or persons v ubmitted is, to the best of r submitting false information aste Part A Permit Applica	f law that this document and all attachments were prepared under my direction or s ssure that qualified personnel properly gather and evaluate the information submitte who manage the system or those persons directly responsible for gathering the infor my knowledge and belief, true, accurate and complete. I am aware that there are sig a, including the possibility of fine and imprisonment for knowing violations. For the F tion, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).	upervision in ed. Based mation, the gnifigant RCRA
Signatu au	ire of ow thorized	mer, operator, or an representative	Name and Official Title (type or print)	D. Date Signed (mm-dd-yyyy)
			KEVIN SMITH	02/27/2012
			DOE/LASO MANAGER	
				-

SE CC FO The Sta Off	<u>ND</u> MPLETED RM TO: e Appropriate ite or Regional ice.	United States RCRA SUBTITI	Environm <b>E C SITE</b>	ental Protection Agen	icy DRM	THE STATES - LANDER
1. E	Reason for Submittal MARK ALL 30X(ES) THAT APPLY	<ul> <li>Reason for Submittal:</li> <li>To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)</li> <li>To provide a Subsequent Notification (to update site identification information for this location)</li> <li>As a component of a First RCRA Hazardous Waste Part A Permit Application</li> <li>As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #)</li> <li>As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</li> </ul>				
		<ul> <li>As a component of the Hazardous Waste Report (If marked, see sub-bullet below)</li> <li>Site was a TSD facility and/or generator of <a>1,000 kg of hazardous waste, &lt;&gt;1 kg of acute hazardous waste, or <a>100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)</a></a></li> </ul>				
2.	Site EPA ID Number	EPA ID Number N M D 9 8 6 6 7 6 8 0 7				
3.	Site Name	Name: LOS ALAMOS NATIONAL LA	BORATORY	- FENTON HILL SITE		
4.	Site Location	Street Address: BIKINI ATOLL ROAD	, SM-30			
Information City, Town, or Village: LOS ALAMOS County: LOS ALA				County: LOS ALAMOS		
		State: NM Country: US Zip Code: 87545				
5.	Site Land Type	Private County Distr	ict 🖌 Fed	leral Tribal N	lunicipal State	Other
6.	NAICS Code(s)	<b>A</b> . 9 2 8 1 1		C.		
for the Site (at least 5-digit codes) B.		B		D.		
7.	Site Mailing	Street or P.O. Box: 3747 WEST JEME	Z ROAD			
	Address	City, Town, or Village: LOS ALAMOS				
		State: NM	Country: US	3	Zip Code: 87544	
8.	Site Contact	First Name: KEVIN	MI: W	Last: SMITH		
	Person	Title: MANAGER, LASO, DOE, NNSA	4			
		Street or P.O. Box: PO BOX 1663				
		City, Town or Village: LOS ALAMOS				
		State: NM Country: US Zip Code: 87545			Zip Code: 87545	
		Email: KSMITH2@DOEAL.GOV				
		Phone: 505-667-5105	Ex	t.:	Fax:	
9. Legal Owner and Operator of the Site A. Name of Site's Legal Ov Owner Type: Private		A. Name of Site's Legal Owner: UNIT	ED STATES	DEPARTMENT OF ENER	Date Became 01/01/194 Owner:	3
		Owner Type: Private County	District	Federal Tribal	Municipal State	Other
		Street or P.O. Box: 3747 WEST JEMEZ ROAD				
		City, Town, or Village: LOS ALAMOS			Phone: 505-667-6691	
		State: NM	Country: US	<u> </u>	Zip Code: 87544	
		B. Name of Site's Operator: LOS ALA	MOS NATIC	NAL SECURITY, LLC	Date Became Operator: 06/01/200	6
		Operator       Type:     ✓       Private     County	District	Federal Tribal	Municipal State	Other

EPA Form 8700-12, 8700-13 A/B, 8700-23 (Revised 12/2011)

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## EPA ID Number N M D 9 8 6 6 7 6 8 0 7

<ol> <li>Type of Regulated Waste Activity (at your site) Mark "Yes" or "No" for all <u>current</u> activities (as of the date submitting the</li> </ol>	<ol> <li>Type of Regulated Waste Activity (at your site) Mark "Yes" or "No" for all <u>current</u> activities (as of the date submitting the form); complete any additional boxes as instructed.</li> </ol>						
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.	Y N ✓ 5. Transporter of Hazardous Waste If "Yes", mark all that apply.						
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.	<ul> <li>a. Transporter</li> <li>b. Transfer Facility (at your site)</li> <li>Y N ✓</li> <li>Y 6. Treater, Storer, or Disposer of Hazardous Waste Note: A hazardous waste Part B permit is required for these activities.</li> </ul>						
b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-	<sup>Y</sup> V 7. Recycler of Hazardous Waste						
c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.	Y N ✓ 8. Exempt Boiler and/or Industrial Furnace If "Yes", mark all that apply. a. Small Quantity On-site Burner Exemption						
Y N <b>2. Short-Term Generator</b> (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.	b. Smelting, Melting, and Refining Furnace Exemption						
Y N ✓ 3. United States Importer of Hazardous Waste	Y N V 9. Underground Injection Control						
Y N 4. Mixed Waste (hazardous and radioactive) Generator	Y N 10. Receives Hazardous Waste from Off- site						
B. Universal Waste Activities; Complete all parts 1-2.	C. Used Oil Activities; Complete all parts 1-4.						
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.	Y N I. Used Oil Transporter If "Yes", mark all that apply. a. Transporter b. Transfer Facility (at your site)						
a. Batteries   b. Pesticides   c. Mercury containing equipment   d. Lamps   e. Other (specify)   f. Other (specify)   g. Other (specify)	<ul> <li>Y N ✓</li> <li>N ✓</li> <li>2. Used Oil Processor and/or Re-refiner If "Yes", mark all that apply.</li> <li>a. Processor</li> <li>b. Re-refiner</li> <li>Y N ✓</li> <li>3. Off-Specification Used Oil Burner</li> <li>Y N ✓</li> <li>Y Used Oil Fuel Marketer If "Yes", mark all that apply.</li> </ul>						
Y N N Solution Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.	<ul> <li>a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner</li> <li>b. Marketer Who First Claims the Used Oil Meets the Specifications</li> </ul>						

D.	<ol> <li>Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K</li> </ol>						
	✤ You can ONLY Opt into Subpart K if:						
	<ul> <li>you agre a co</li> </ul>	are at least one of the ement with a college illege or university; Al	e following: a college or university; or a no ND	e or university; a teac on-profit research inst	hing hospital that is c itute that is owned by	wned by or has a for / or has a formal affili	mal affiliation ation agreement with
	• you	have checked with yo	our State to determin	e if 40 CFR Part 262	Subpart K is effective	e in your state	
Y	∕ N 1. C	Opting into or currently	operating under 40	CFR Part 262 Subpa	rt K for the managem	nent of hazardous wa	stes in laboratories
	s	ee the item-by-item	instructions for def	initions of types of	eligible academic e	ntities. Mark all tha	t apply:
		a. College or Univers	ity				
		b. Teaching Hospital	that is owned by or h	as a formal written a	ffiliation agreement w	ith a college or unive	ersity
		c. Non-profit Institute	that is owned by or h	nas a formal written a	ffiliation agreement v	with a college or unive	ersity
Υ[	N 2. V	Vithdrawing from 40 C	CFR Part 262 Subpar	t K for the managem	ent of hazardous was	stes in laboratories	
11.	Description	of Hazardous Waste					
Α.	Waste Codes your site. Lis spaces are n	s for Federally Regu at them in the order th eeded.	lated Hazardous Wa	astes. Please list the he regulations (e.g., l	e waste codes of the D001, D003, F007, U	Federal hazardous w 112). Use an additic	astes handled at anal page if more
В.	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       NC       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(a)), 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.         In facility did not generate hazardous waste in calendar year 2011.         In facility did not generate hazardous waste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in calendar year 2011.         In facility did not generate hazardous maste in significant provide year 2012.         In facility did not generate hazardous maste in significant provide year 2012.         In facility did not generate hazardous maste in significant provide year 2012.         In facility did persona prevensity facility did field personal property gather								
V       N       Are you notifying under 40 CFR 261/24(2)(2)(0), 40 CFR 261/24(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.         Image: Secondary Material.         Image: Secondary Mater	12. Notifica	tion of Hazardous Secondary Mater	ial (HSM) Activity					
If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.   This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in calendar year 2011.  This facility did not generate hazardous waste in the qualified personnel property gather and evaluate the information submitted is in the best of my knowledge and begretar(s) must sign (see 40 CFR 270.10(b) and 270.11).  This facility did not generate personative in the presentative information, including the possibility of fines and imprisonment for knowing yearbidition. The composities for the CRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).  This facility did person of person of a se	Y N ✔	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)?						
13. Comments         This facility did not generate hazardous waste in calendar year 2011.         In this facility did not generate hazardous waste in calendar year 2011.         In this facility did not generate hazardous waste in calendar year 2011.         In this facility did not generate hazardous waste in calendar year 2011.         In this facility 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 is, to the best of my knowledge and belief, rule, accurate, and complete. I am avare that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowledge and bepretors?         Signature of legal owner, operator, or an authorized representative       Name and Official Title (type or print)       Date Signed (mm/dd/yyyy)         Signature of legal owner, operator, or an authorized representative       Name and Official Title (type or print)       Date Signed (mm/dd/yyyy)		If "Yes", you <u>must</u> fill out the Addend Material.	um to the Site Identification Form: Notification	or Managing Hazardous Secondary				
This facility did not generate hazardous waste in calendar year 2011.         This facility did not generate hazardous waste in calendar year 2011.         Image: State of the state	13. Comme	nts						
Cortification. 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 attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the informations. For the RCRA more than the informations of persons who manage the system, or those persons directly responsible for gathering the informations. 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 key and Official Title (type or print) Date Signed (mm/dd/yyyy)  Kevin Smith, DOE/LASO Manager 2/27/2012	This facility	This facility did not generate hazardous waste in calendar year 2011.						
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Signature of legal owner, operator, or an authorized representative       Name and Official Title (type or print)       Date Signed (mm/dd/yyyy)         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image: Signed representative       Image: Signed representative       Image: Signed representative         Image:	4. 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).							
Kevin Smith, DOE/LASO Manager 2/27/2012	Signature o authorized i	Signature of legal owner, operator, or an authorized representativeName and Official Title (type or print)Date Signed (mm/dd/yyyy)						
Kevin Smith, DOE/LASO Manager 2/27/2012								
			Kevin Smith, DOE/LASO Manager	2/27/2012				

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				PROTECTI	ONMENTAL ON AGENCY	
SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> LOS ALAMOS, NM 87545				GM	2011 Hazardo	ous Waste Report	
EPA ID	EPA ID NO: <u>NM0890010515</u>				AND MAN	AGEMENT	
Sec. 1	Sec. 1 A. Waste ORGANIC SOLVENTS, AQUEOUS SOLVENTS, ORGANIC ACIDS WITH IONS Description AND PRECIPITATES OF TOXIC METALS, TOXIC SOLVENTS, SULFIDES, ORGANIC COMPOUNDS, PHOSPHINES, OXIDES, SALTS, AMINES, NON-HAZARDOUS METALS AND POTASSIUM HYDROXIDE NANOPARTICLE						
B. EPA Hazardous Waste Code(s) WASTE							
D004 D011 D003 D002 D001							
D. Sourc	D007 D008 D009 D0 e Code	<del>10 D006</del> E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste minimization code	
Manager <u>G</u> l	nent Method code for Source code G25 09	<u>W204</u>	UOM . Density <u>3</u>		<u>30.41</u>	X	
Sec. 2 Was any of this waste managed on-site?					·		
I	ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Management     Quantity treated, disposed, or       Method code     recycled on-site in 2011							
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was X Yes (CONTINUE TO IT	shipped C. C TEM B) Met	Dff-site Manage thod code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	ARD069748192		<u>H040</u>			<u>30.41</u>	
Site 2							
Site 3							
Comme	Comments         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						

UIVIB#: 2050-0024 Expires 11/30/20	OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL 1 BIKINI ATOLL ROAD, S	<u>LABORATO</u> SM-30	RY			2011 Hazard	ous Waste Report
	<u>LOS ALAMOS, NM 87545</u>				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste WATER REACTIVE Description	, CORROS	IVE				
B. EPA I	Hazardous Waste Code(s) D001 D00	D2 D003	C. State	Haz	ardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Co	de F.Quanti	ty G	enerated in 2	2011	G.Waste
G	<u>11</u>	<u>W001</u>				5.40	minimization code
Manager	ment Method code for Source code G25		UOM <u>(</u>	3			X
			. Density		0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	<b>FEM 1</b>			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	· On-s	ite M /leth	lanagement od code	Quantity frecycled	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, disposa	l, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Mar Method code s	hage Shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H040</u>				<u>5.40</u>
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	ous waste (from ict - Including U	n any source)FR( l and P listed wast	DM:E es)	Discarding off-s Waste Min: No	specification, out-of-da minimization	ate, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAB	EL		U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORATOR	Y		2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	SM-30			]	
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION
EPA II	D NO: <u>NM0890010515</u>			FORM	AND MAN	IAGEMENT
Sec. 1	A. Waste AQUEOUS WASTE Description NON-TOXIC INTE CHEMICAL SYNTH	WITH ACID RMETALLIC ESIS AND	S, TOXIC I COMPOUNDS DOT OXIDIZ	NTERMET 5, RARE SER.	ALLIC COMPC EARTHS, OXI	UNDS, DES FROM
B. EPA	Hazardous Waste Code(s) D001 D00	C. State Haz	zardous Wast	te Code(s)		
D005	5 D011 D007 D008 D009 D0	10 D006				
D. Source Code E. Form Code F.			F.Quantity G	enerated in	2011	G.Waste
G	22	W316			3.58	minimization code
Manage	ment Method code for Source code G25	<u></u>	UOM 3			<u>X</u>
			. Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	)				-
Sec. 2				X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	i, disposed, or in 2011	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	ment, disposal, or	recycling?		
	X Yes (CONTINUE TO IT	EM B)	<u> </u>			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ment ped to	D. Total quantity sh	pped in 2011
Site 1	<u>ARD069748192</u>		<u>H141</u>			<u>3.58</u>
Site 2						
Site 3						
Comm	n nin an Adata a sta an shara ta sa sa sa sa	taining avanidaa	FROM <sup>-</sup> I aboratory a	nalytical waste	es (used chemicals from	m laboratory

OMB#: 2 BEFORE	DMB#: 2050-0024 Expires 11/30/2011         EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         DENTED:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
OR ENTE	ER:					PROTECT	ION AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	RY			2011 Hazard	lous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
	<u>los alamos, nm 87545</u>				GIVI	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT
Sec. 1	A. Waste INORGANIC ACIDS Description TOXIC METALS, ( CYANIC ACIDS (I	S AND OX OXIDIZED NONREACT	IDIZE SULE	ERS WIT FIDES ( , ORGAN	H IONS NONREA	S AND PRECIP ACTIVE), AUR MPOUNDS, PHO	ITATES OF O AND FERRO SPHINES,
B. EPA	Hazardous Waste Code(s)	AMINES,	AND	C. State Haz	ardous W	aste Code(s)	
D006	5 D011 D004 D00	)2 D001					
	D010 D009 D008 D0	07					
D. Sourd	ce Code	E. Form Coo	de F	Quantity G	enerated i	in 2011	G.Waste minimization code
Manag	<u>ଜ୍ୟିକ</u> t Method code for Source code G25	W119		UOM		44.98	X
_		<u>·····</u>		Donoity 3			
				Density	0	00 spec gra	
	Was any of this waste managed on-site?	, ,				<u></u> ppcc.gra	•
Sec. 2							
	ON-SITE PROCESS SYST	FEM 1			Х	ON-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated	, disposed, or		On-site Management Quantity treated, disposed, or			
Me	ethod code recycled on-site	in 2011		Metho	od code	recycled	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, o	disposal, or	recycling?	2	
	B. EPA ID No. of facility to which waste was	sthipped	C. Off- Metho	site Manager d code shipp	ment bed to	D. Total quantity sl	hipped in 2011
Site 1	ARD069748192		Ē	<u>H040</u>			8.93
Site 2	ARD069748192		ŀ	H141			10.28
Cito 2							10.65
Sile 3	<u>UTD981552177</u>		<u>F</u>	<u> 1040</u>			10.65
Site 4	<u>UTD981552177</u>		F	<u>H141</u>			<u>15.10</u>
Comm	ents SYNTHESIS OF NANOPARTICLES, NANOPARTICLE SURFACE MODIF production or service-related process minimization	NANOPARTICI	LE ARRA MANIPUL vaste is a o	AYS AND NAM ATION C direct outflow	NOPARTIC Other inorga	LE COMPOSITE MATE anic liquid (specify in cor specify in comments) W	RIALS, mments) FROM:Other /aste Min: No

	050-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LABE	EL		U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAM	ME <u>los alamos national :</u>	LABORATORY	Y		2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>		CM		
	<u>LOS ALAMOS, NM 87545</u>			GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>			FORM		NAGEMENT
Sec. 1					]	
Jec. 1	Description (SODIUM HYDROX	SOLUTION IDE).	OF NANO3	(SODIUM	NITRATE) A	ND NAOH
B. EPA H	B. EPA Hazardous Waste Code(s) D001 D002 D005 C. Sta				e Code(s)	
D007	D011					
D. Sourc	D. Source Code E. Form Code			Generated in 2	2011	G.Waste
G2	22	W110			5.44	minimization code
Managen	nent Method code for Source code G25		UOM <u>3</u>			<u>X</u>
			Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	2				
				X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 2					
On aita	ON-SITE PROCESS SYSTEM 1 On-site Management Quantity treated, disposed, of			On-site Management Quantity treated, disposed Method code recycled on-site in 2011		
On-site Me	Management Quantity treated thod code recycled on-site	l, disposed, or in 2011	On-site M Meth	/lanagement	recycled o	on-site in 2011
On-site Me	Management Quantity treated thod code recycled on-site	I, disposed, or in 2011	On-site Meth	Aanagement od code	recycled c	on-site in 2011
On-site Me	Management Quantity treated thod code recycled on-site	I, disposed, or in 2011	On-site Meth	Management ood code	recycled o	pn-site in 2011
On-site Me	Management     Quantity treated       thod code     recycled on-site       A. Was any of this waste shipped off site	I, disposed, or in 2011	On-site Meth	Aanagement od code	recycled o	pn-site in 2011
On-site Me	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT)	I, disposed, or in 2011 in 2011 for treatm	On-site Meth	Aanagement ood code recycling?	recycled c	pn-site in 2011
On-site Me	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste waste       State	I, disposed, or in 2011 in 2011 for treatn TEM B) s shipped	On-site Meth Meth nent, disposal, or C. Off-site Manage	Aanagement ood code recycling?	D. Total quantity shi	ipped in 2011
On-site Me	Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste waste       State waste waste	I, disposed, or in 2011 in 2011 for treatn TEM B) s shipped	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship	Aanagement ood code recycling?	D. Total quantity shi	ipped in 2011
On-site Me Sec. 3 Site 1	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       FLD980711071	In 2011 for treatn TEM B)	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship	Aanagement ood code recycling?	D. Total quantity shi	ipped in 2011
On-site Me Sec. 3 Site 1 Site 2	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         FLD980711071	in 2011 for treatn	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship H061	Aanagement ood code recycling?	D. Total quantity shi	ipped in 2011 <u>5.44</u>
On-site Me Sec. 3 Site 1 Site 2 Site 3	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO II)         B. EPA ID No. of facility to which waste was       FLD980711071	In 2011 for treatm TEM B)	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship <u>H061</u>	Aanagement ood code recycling?	D. Total quantity shi	ipped in 2011
On-site Me Sec. 3 Site 1 Site 2 Site 3	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         FLD980711071	In 2011 for treatment of the shipped (	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship H061	Aanagement ood code recycling? ment ped to	D. Total quantity shi	ipped in 2011
On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       FLD980711071         FLD980711071	In 2011 for treatm TEM B) S shipped	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship H061	Aanagement ood code recycling? ment ped to	D. Total quantity shi	ipped in 2011 <u>5.44</u> from laboratory
On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	Management       Quantity treated         At Was any of this waste shipped off site in       X         Yes (CONTINUE TO IT       B.         B. EPA ID No. of facility to which waste was       FLD980711071         Ents       Caustic aqueous waste without operations)) Waste Min: No minimization	I, disposed, or in 2011 in 2011 for treatm TEM B) s shipped	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship <u>H061</u>	Aanagement ood code recycling? ment ped to	D. Total quantity shi	ipped in 2011 <u>5.44</u> from laboratory
On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	Management       Quantity treated         thod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       IT         B. EPA ID No. of facility to which waste was       FLD980711071         Ents       Caustic aqueous waste without operations)) Waste Min: No minimization	I, disposed, or in 2011 in 2011 for treatn TEM B) s shipped ( r cyanides( Ph >12.5 ation	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship H061	Aanagement ood code recycling? ment ped to	D. Total quantity shi	ipped in 2011

	050-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAB	BEL		PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATOF	RY		2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>				
	LOS ALAMOS, NM 87545			GM	WASTE GI	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM		AGEMENT
Sec. 1 A. Waste CATALYST INK MADE OF NAFION SOLUTION, TETRABUT Description HYDROXIDE, 1M IN METHANOL, GLYCEROL AND TWO OR FOLLOWING: C, FE, CO, PT, RN, BATIO3, TIO2, PD						ONIUM OF THE OR CU
B. EPA I	Hazardous Waste Code(s) D001 D00	C. State Ha	zardous Wast	e Code(s)		
F003	3					
D. Source Code E. Form Code			e F.Quantity G	Generated in 2	2011	G.Waste
<u>G</u>	<u>19</u>	<u>W209</u>			1.00	minimization code
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>
			. Density	0.0	<u>0</u> spec.gra	
500.2	Was any of this waste managed on-site?	)				
Sec. 2				X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2
ON-SITE PROCESS SYSTEM 1           On-site Management         Quantity treated, disposed, or recycled on-site in 2011			On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011		
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	tment. disposal. or	recvcling?		
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea	tment, disposal, or	recycling?		
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	n 2011 for trea TEM B) s shipped	tment, disposal, or C. Off-site Manage Method code ship	recycling?	D. Total quantity shi	ipped in 2011
Sec. 3 Site 1	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>UTD981552177</u>	n 2011 for trea CEM B) s shipped	tment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	recycling?	D. Total quantity shi	ipped in 2011 <u>1.00</u>
Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	n 2011 for trea IEM B) s shipped	tment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	recycling?	D. Total quantity shi	ipped in 2011 <u>1.00</u>
Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	n 2011 for trea TEM B) s shipped	tment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity shi	ipped in 2011 <u>1.00</u>

	1050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABE	EL		U.S. ENVIR	ONMENTAL ON AGENCY		
SITE NA	ME <u>los alamos national :</u>	LABORATOR	<u>Y</u>		2011 Hazardo	ous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>			]	·		
	LOS ALAMOS, NM 87545			GM	WASTE GI	ENERATION		
EPA ID	<sup>NO:</sup> NM0890010515			FORM		AGEMENT		
Sec. 1	A. Waste ACIDIC WASH FRO Description	OM GLASSW	ARE: ORGAN	IIC SOLV	ENTS			
B. EPA	Hazardous Waste Code(s) D001 D00	C. State Ha	zardous Wast	e Code(s)				
D010 D006								
D. Source	D. Source Code E. Form Code			Generated in 2	2011	G.Waste		
<u>G</u>	<u>09</u>	<u>W203</u>			5.44	minimization code		
Manage	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>		
1			Density	0.0	<u>0</u> spec.gra			
Sec. 2	See 2 Was any of this waste managed on-site?							
Jec. Z	X No(SKIP TO SEC. 3)							
3ec. 2				X No	D(SKIP TO S	EC. 3)		
Sec. z	ON-SITE PROCESS SYST	ГЕМ 1		X No	O(SKIP TO S	EC. 3) SYSTEM 2		
On-site	ON-SITE PROCESS SYST Management Quantity treated athod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site I	X No O Management	O (SKIP TO S N-SITE PROCESS Quantity to recycled o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site I Metr	X No O Management nod code	O (SKIP TO S N-SITE PROCESS Quantity to recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site I Meth	X No O Management hod code	O (SKIP TO S N-SITE PROCESS Quantity to recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site I Meth	X No O Management hod code	O (SKIP TO S) N-SITE PROCESS Quantity to recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site Me	ON-SITE PROCESS SYST         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       No. 100	<b>FEM 1</b> I, disposed, or in 2011	On-site I Meth ment, disposal, or	X No O Management hod code	o (SKIP TO S <b>N-SITE PROCESS</b> Quantity to recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site Me	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       TO IT	<b>FEM 1</b> I, disposed, or in 2011 in 2011 for treatr FEM B)	On-site I Meth	X No O Management nod code	O (SKIP TO S N-SITE PROCESS Quantity to recycled c	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011		
On-site Me	ON-SITE PROCESS SYS         e Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste waste	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for treatr         FEM B) <b>s shipped</b>	On-site I Meth ment, disposal, or C. Off-site Manage Method code ship	X No O Management hod code	<ul> <li>O (SKIP TO S: Quantity to recycled c</li> <li>D. Total quantity shi</li> </ul>	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011		
Sec. 2 On-site Me	ON-SITE PROCESS SYST         a Management       Quantity treated         a Management       Rubber of this waste shipped off site is         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         ARD069748192	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for treatr         FEM B) <b>s shipped</b>	On-site I Meth ment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	X No O Management hod code	<ul> <li>D (SKIP TO S: Quantity to recycled c</li> <li>D. Total quantity shi</li> </ul>	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u>		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYST         a Management       Quantity treated         a Management       Record on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       B.         B. EPA ID No. of facility to which waste was       ARD069748192         UTD981552177       UTD981552177	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for treatr         TEM B) <b>s shipped</b>	On-site f Meth ment, disposal, or C. Off-site Manage Method code ship <u>H040</u> <u>H040</u>	X No O Management hod code	<ul> <li>D (SKIP TO S)</li> <li>N-SITE PROCESS</li> <li>Quantity to recycled c</li> <li>D. Total quantity shi</li> </ul>	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u> <u>1.81</u>		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYST         Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       B.         B. EPA ID No. of facility to which waste was       ARD069748192         UTD981552177       UTD981552177	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for treatr         FEM B) <b>s shipped</b>	On-site I Meth ment, disposal, or C. Off-site Manage Method code ship <u>H040</u> <u>H040</u>	X No O Management hod code	<ul> <li>O (SKIP TO S: <b>N-SITE PROCESS</b> Quantity to recycled of <b>D. Total quantity shi</b> </li> </ul>	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u> <u>1.81</u>		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       ARD069748192         UTD981552177       UTD981552177	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for treatr         TEM B) <b>s shipped s shipped</b>	On-site I Meth ment, disposal, or C. Off-site Manage Method code ship <u>H040</u> <u>H040</u>	X No	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u> <u>1.81</u>		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	ON-SITE PROCESS SYST         a Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site is X Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         ARD069748192         UTD981552177         ents       ACIDIC WASH FROM GLASSWARE         FROM:Other production or service-ref	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for treatr         FEM B) <b>s shipped</b> I         I </td <td>On-site I Meth Meth nent, disposal, or C. Off-site Manage Method code ship <u>H040</u> <u>H040</u> <u>H040</u> (ENTS Concer there the waste is a</td> <td>X No O Management nod code recycling? ment ped to</td> <td><ul> <li>O (SKIP TO S: Quantity to recycled c</li> <li>D. Total quantity shi</li> <li>pogenated (E.G. non-ch or result - specify in cc</li> </ul></td> <td>EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u> <u>1.81</u> lorinated) solvent omments) Waste Min:</td>	On-site I Meth Meth nent, disposal, or C. Off-site Manage Method code ship <u>H040</u> <u>H040</u> <u>H040</u> (ENTS Concer there the waste is a	X No O Management nod code recycling? ment ped to	<ul> <li>O (SKIP TO S: Quantity to recycled c</li> <li>D. Total quantity shi</li> <li>pogenated (E.G. non-ch or result - specify in cc</li> </ul>	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u> <u>1.81</u> lorinated) solvent omments) Waste Min:		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3 Commo	ON-SITE PROCESS SYST         a Management       Quantity treated         a Management       recycled on-site         A. Was any of this waste shipped off site if       X         Yes (CONTINUE TO IT       B.         B. EPA ID No. of facility to which waste was       ARD069748192         UTD981552177       UTD981552177         ents       ACIDIC WASH FROM GLASSWARE         FROM:Other production or service-report       No minimization	I. disposed, or         in 2011         in 2011 for treatr         TEM B)         s shipped         I. disposed, or	On-site M Meth ment, disposal, or C. Off-site Manage Method code ship <u>H040</u> <u>H040</u> (ENTS Concer there the waste is a	X No O Management nod code recycling? ment ped to	D (SKIP TO S: Quantity to recycled of D. Total quantity shi D. Total quantity shi ogenated (E.G. non-ch or result - specify in co	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>3.62</u> <u>1.81</u> ilorinated) solvent omments) Waste Min:		

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL				D.S. ENVIR PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATO	RY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GN	Л		
	$\frac{\text{LOS ALAMOS, NM 87545}}{\text{NO}}$				FOF	RM		
	<u>NM0890010515</u>							
Sec. 1	A. Waste MIXTURE OF ETH Description AND CHROMIUM CO PRODUCTS.	YL ETHER OMPOUNDS	AN B. A	D HYDROC LSO MAY	HLOR CONT.	IC Z AIN	ACID CONTAI MIXED FISS	NING BARIUM ION
B. EPA	B. EPA Hazardous Waste Code(s) D001 D002 D007 C. State					Waste	e Code(s)	
F003	3							
D. Source Code E. Form Code			de	F.Quantity G	enerate	ed in 2	2011	G.Waste
G	22 Mathad and a far Source and a C25	<u>W219</u>					1.47	w
wanage	ment method code for Source code G25			UOM <u>3</u>				<u>A</u>
1				Density		0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	-						
Sec. 2					Х	No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			-	0	N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or recycled on-site in 2011				reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	nt, disposal, or	recyclin	ng?		
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manager hod code shipp	ment bed to		D. Total quantity shi	pped in 2011
Site 1	<u>FLD980711071</u>			<u>H061</u>				1.47
Site 2								
Site 3								
Comm	ents MIXTURE OF ETHYL ETHER AND F CONTAIN MIXED FISSION PRODUC chemicals from laboratory operations	IYDROCHLOR CTS. Other )) Waste Min: N	IC ACI organi No min	D CONTAINING ic liquid (specify imization	BARIUI in comm	M ANE	CHROMIUM COMP FROM:Laboratory an	OUNDS. ALSO MAY alytical wastes (used

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
	LOS ALAMOS, NM 87545					WASTE G	ENERATION
	<u>NM0890010515</u>						NAGEMENI
Sec. 1	A. Waste METHANOL, ETHA Description ACID, SULFURIC	NOL, WAT ACID, A	TER, AND	ACETONE METALS.	, ACETC	NITRILE, HY	DROCHLORIC
B. EPA I	Hazardous Waste Code(s) D002 D00	)1 D011		C. State Haz	ardous Was	te Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	<u>W119</u>				4.98	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
00	Was any of this waste managed on-site?	?		-			
Sec. Z					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treatec ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed			reated, disposed, or on-site in 2011
						-	
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO IT	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			4.98
Site 2							
Site 3							
Commo	WE PERFORM CHEMICAL DEPOSI FILMS INTO SOLUTION OF METAL WATER, METHANOL, ETHANOL AN analytical wastes (used chemicals fro	TION OF MET SALTS SUCH ND ACETONE. om laboratory o	AL PAF AS AG AFTE	RTICLES AND C N03 AND AUC1 R A F Other ns)) Waste Min:	CLUSTERS BY 13. THE SOLV inorganic liqu No minimizat	/ IMMERSING DOPEL /ENT FOR THE MET/ id (specify in commen ion	) POLYANILINE AL SALTS ARE ts) FROM:Laboratory

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAB	EL		U.S. ENVIE PROTECTI	RONMENTAL	
SITE NA	ME LOS ALAMOS NATIONAL	LABORATOF	<u>RY</u>		2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>			7		
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA II	DNO: <u>NM0890010515</u>			FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste METHANOL/NITRI Description ASTM STANDARD CONSTITUENTS	C ACID MI IN LAB EX	IXTURE. AF GPERIMENTS	PROVED W/ PERC	METALLOGRAF CENTAGES OF	PHY ETCHING WASTE	
B. EPA	Hazardous Waste Code(s) F003 D00	)1 D002	C. State Haz	zardous Was	ste Code(s)		
D. Source Code E. Form Code F				Senerated in	2011	G.Waste	
G	22	W105			0.97	minimization code	
Manage	ment Method code for Source code G25	<u>11200</u>	UOM 3			X	
			. Density	0.	<u>00</u> spec.gra		
	Was any of this waste managed on-site?	>	•				
Sec. 2				X N	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1		0	ON-SITE PROCESS	SYSTEM 2	
On-site	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site	in 2011 for treat	tment. disposal. or	recvclina?			
000.0	X Yes (CONTINUE TO IT	TEM B)	,,,,				
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>			0.97	
Site 2							
Site 3							
Comm	ents Acidic aqueous wastes less that laboratory operations)) Waste Min: N	n 5% acid (diluted lo minimization	i but Ph <2) FROM:	Laboratory and	alytical wastes (used c	hemicals from	

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE OR ENTER:	IDENTIFICATIO	N LABEL			PROTECTI	ON AGENCY
SITE NAME LOS ALAMOS NATIO	NAL LABOR	ATORY			2011 Hazardo	ous Waste Report
BIKINI ATOLL RC	AD, SM-30				]	
LOS ALAMOS, NM 8	7545			GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM089001051</u>	<u>5</u>			FORM		AGEMENT
Sec. 1 A. Waste UN 1163 WA Description DIMETHYLHY	STE DIMET DRAZINE 1	HYLHYD 00 GR)	DRAZINE,	631,3,8	PG I ZONE	B (1,1
B. EPA Hazardous Waste Code(s) D0 (	C. State Haz	zardous Wast	e Code(s)			
D. Source Code	E. Forr	m Code	F.Quantity G	Generated in 2	2011	G.Waste
<u>G11</u>	<u>W00</u>	<u>1</u>			1.81	minimization code
Management Method code for Source code	e G25		UOM <u>3</u>			X
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed	on-site?					
560.2				X No	O(SKIP TO S	EC. 3)
ON-SITE PROCES	SS SYSTEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantit Method code recycled	/ treated, dispose I on-site in 201	ed, or 1	On-site Meth	Aanagement ood code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped	off site in 2011 fo	or treatme	nt, disposal, or	recycling?		
X Yes(CONTINUE	TO ITEM B)	)				
B. EPA ID No. of facility to which w	aste was shipped	C. ( Met	Off-site Manage thod code ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1         UTD981552177			<u>H040</u>			<u>1.81</u>
Site 2						
Site 3						
Comments Lab packs with no acut chemicals or products (Unus	e hazardous waste sed product - Incluc	ا e (from any s ding U and F	source) FROM:I P listed wastes)	Discarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				U.S. ENVIE PROTECT	RONMENTAL	
SITE NA	ME LOS ALAMOS NATIONAL : BIKINI ATOLL ROAD, S LOS ALAMOS NM 87545	<u>LABORATO</u> SM-30	RY	GM	2011 Hazard	ous Waste Report	
EPA ID	D NO: <u>NM0890010515</u>			FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste UN2924 FLAMMAB. Description	LE LIQUI	D CORROSIVI	Ξ			
B. EPA I	Hazardous Waste Code(s) D002 U12	LO U194	C. State Ha	zardous Wast	e Code(s)		
U404	Ł D001						
D. Sourc	D. Source Code E. Form Code		de F.Quantity C	Generated in 2	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>			17.96		
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>×</u>	
			Density	0.0	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	, ,	•				
Sec. 2				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site I Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site	n 2011 for trea	atment, disposal, o	r recycling?			
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>			<u>17.96</u>	
Site 2							
Site 3							
Comme	Lab packs with no acute hazard chemicals or products (Unused produ	Lous waste (from act - Including U	any source) FROM: and P listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da	ate, and/or unused	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY				
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazard	ous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FORM	AND MA	NAGEMENT	
Sec. 1 A. Waste ELECTROPLATING OPERATIONS, GOLD, NICKEL, COPPER, METAL Description STRIPPING								
B. EPA	Hazardous Waste Code(s) D001 D00	)2	C. State H	laz	ardous Wast	e Code(s)		
D. Sour	). Source Code E. Form Code F.Quanti			y G	enerated in 2	2011	G.Waste	
G	03	W119				144.30	minimization code	
Manage	ment Method code for Source code G25	<u> </u>	UOM 3				X	
			Density	•	0 0	0 spec ara		
					0.0	<u>o</u> ppee.gra		
Sec 2	Was any of this waste managed on-site?	?						
					X No	SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site	e Management Quantity treated	l, disposed, or in 2011	r On-sit	On-site Management Quantity treated, disposed, or Method code 2011				
		2011		eur	ou coue	recycled		
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	atment, disposal,	or	recycling?			
	A YES (CONTINUE TO IT	LEM B)	C. Off-site Mana	ane	ment			
	B. EPA ID NO. OF facility to which waste was	s snipped	Method code sh	nod code shipped to		D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>	UTD981552177		<u>H040</u>			144.30	
Site 2								
		1						
Site 3								
Site 3	ents ELECTROPLATING OPERATIONS.	GOLD, NICKEI	., COPPER, META	L S	TRIPPING	Other inorganic liqui	d (specify in	
Site 3	ents ELECTROPLATING OPERATIONS, comments) FROM:Plating and phos	GOLD, NICKEI phating (electro	_, COPPER, META - or non-electroplati	L S <sup>.</sup> ing	TRIPPING or phosphating	Other inorganic liqui ) Waste Min: No min	d (specify in imization	
Site 3	ents ELECTROPLATING OPERATIONS, comments) FROM:Plating and phos	GOLD, NICKEI phating (electro	_, COPPER, META - or non-electroplati	L S <sup>°</sup>	TRIPPING or phosphating	Other inorganic liqui ) Waste Min: No min	d (specify in imization	

OMB#: 2	050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY					
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, SM-30								
	LOS ALAMOS, NM 87545				GIVI		WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FOR	M		AGEMENT	
Sec. 1	A. Waste ETHANOL/PERCHL Description AN APPROVED LA	ORIC ACI BORATORY	ID M Y AS	IXTURE F TM STAND	OR ME ARD.	'TAI	LLOGRAPHY E	TCHING AT	
B. EPA Hazardous Waste Code(s) D001 D002			C. State Haz	ardous V	Vaste	e Code(s)			
D. Sourc	Source Code E. Form Code F.Quantity			F.Quantity G	enerated	in 2	2011	G.Waste	
G	04	W105			4.27			minimization code	
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>	
				Density	(	).0	<u>0</u> spec.gra		
0 0	Was any of this waste managed on-site?	)							
Sec. 2	,				Х	No	SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕ <b>М</b> 1			ON-SITE PROCESS SYSTEM 2				
On-site Management         Quantity treated, disposed, or           Method code         recycled on-site in         2011			or	On-site Management Quantity treated, disposed, or recycled on-site in 2011					
			4						
Sec. 3		n zuiliorure ידא R)	eatmer	it, disposal, or	recycling	!?			
	B. EPA ID No. of facility to which waste was shipped         C.           Me         Me		C. C Met	Off-site Management athod code shipped to		D. Total quantity shipped in 2011		ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>				4.27	
Site 2									
Site 3									
Comme	ents Acidic aqueous wastes less than or partial layers) Waste Min: No mini	n 5% acid (dilut mization	ted but	Ph <2) FROM:E	Etching(us	ing ca	austics or other meth	ods to remove layers	

OMB#: 2	2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY					
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report		
	BIKINI ATOLL ROAD, SM-30				GM				
	LOS ALAMOS, NM 87545				FORM	WASTE G			
<u>NM0890010515</u>									
Sec. 1	Sec. 1 A. Waste 60%METHANOL REAGENT AND 40% NAOH SOLUTION - 16 X 1 GALLON Description BOTTLES								
B. EPA I	Hazardous Waste Code(s) D001 D00	)2	(	C. State Haz	ardous Wa	ste Code(s)			
D. Sourc	Source Code E. Form Code F.Quantity			F.Quantity G	enerated in	2011	G.Waste		
<u>G</u>	04	W110				minimization code			
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>		
			·	Density	0.	<u>00</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?	,							
Sec. 2					X 1	NO(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS	EM 1		ON-SITE PROCESS SYSTEM 2					
On-site	Management Quantity treated	, disposed, or in 2011		On-site Management Quantity treated, dispose recycled on-site in 201					
				Weth					
Sec 3	A. Was any of this waste shipped off site	n 2011 for tre	atment	disposal, or	recyclina?				
000.0	X Yes (CONTINUE TO IT	'EM B)			g.				
	B. EPA ID No. of facility to which waste was	as shipped C. Off-si Method		Dff-site Management hod code shipped to		D. Total quantity shipped in 2011			
Site 1	ARD069748192	<u>H040</u>		<u>H040</u>		47.62			
Sito 2	דד 15521570 פרוידיד	<u>H040</u>				72.57			
Sile 2	010901332177								
Site 3									

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardo	ous Waste Report		
BIKINI ATOLL ROAD,			]				
LOS ALAMOS, NM 87545	GIVI	WASTE G	ENERATION				
EPA ID NO: <u>NM0890010515</u>			FORM		AGEMENT		
Sec. 1 A. Waste MIXTURE OF ETH	RIC ACID A	AND IRON	. METALLC	GRAPHY			
Description ETCHING WASTE	AT APPROVE	ED LABORAT	ORY AST	M STANDARD	OF LESS		
THAN 5% NITRIC	ACID IN S	SOLUTION W	VITH THE	ETHANOL AN	D IRON FOR		
B. EPA Hazardous Waste Code(s)	TWENTS	C. State Haz	zardous Wast	e Code(s)			
D002 D00	01						
D. Source Code	F.Quantity G	Generated in 2	2011	G.Waste minimization code			
Manag୍ <del>ରିସିହ</del> ାt Method code for Source code G25	W203	UOM		0.13	X		
		Density 3					
		Density	0.00 spec.gra				
Was any of this waste managed on-site?	>						
Sec. 2							
ON-SITE PROCESS SYS	ГЕМ 1		X Ng	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated	l, disposed, or	On-site Management Quantity treated, disposed, or					
Method code recycled on-site	in 2011	Method code recycled on-site in 2011					
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatm	nent, disposal, or	recycling?				
B. EPA ID No. of facility to which waste was		C. Off-site Manage	ement	D. Total quantity shipped in 2011			
,	N	lethod code ship	ped to	D. Total quality sh			
Site 1 <u>UTD981552177</u>		<u>H040</u>			0.13		
Site 2							
Site 3							
Comments Concentrated non-halogenated	(E.G. non-chlorinat	ed) solvent FROM	1:Etching(using	caustics or other metl	nods to remove layers		
	mizaliun						

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY				
SITE NAME LOS ALAMOS NATIONAL LABORATORY							2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD, SM-30						A		
	<u>LOS ALAMOS, NM 87545</u>				Giv	/1	WASTE G	ENERATION
EPAID NO: <u>NM0890010515</u>					FOR	<b>KIVI</b>		IAGEMENT
Sec. 1 A. Waste WASTE MIXTURE OF METHANOL, HYDR Description AND LACTIC ACIDS AND TRACE META						IC, TIN	NITRIC, HY , LEAD AND	DROFLUORIC SILVER.
B. EPA	Hazardous Waste Code(s) D002 D00	)1		C. State Haz	ardous	Waste	e Code(s)	
D. Sourc	Source Code E. Form Code F.Quantity			F.Quantity G	enerate	d in 2	2011	G.Waste
<u>G</u>	04	<u>W219</u>			2.82			minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>				X
				Density		0.0	<u>0</u> spec.gra	
	Was any of this waste managed on-site?	>						
Sec. 2	,				Х	No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec 3	A Was any of this waste shipped off site	in 2011 for tre	eatmen	nt disposal or	recyclin	a?		
000.0	X Yes (CONTINUE TO IT	TEM B)		,,,,		9.		
	B. EPA ID No. of facility to which waste was shipped		C. C Met	C. Off-site Management Method code shipped to		D. Total quantity shipped in 2011		ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H040</u>				2.82	
Site 2								
Site 3								
Comm	ETCHING SOLUTION PROCESS W AND LACTIC ACIDS THAT HAVE IC Other organic liquid (specify in comm Min: No minimization	ITH AN APPRONS IN SOLUT ents) FROM:E	DVED N ION WI Etching(	MIXTURE OF ME TH TRACE MET (using caustics o	ETHANO FALS CO or other m	DL, HY NSIST nethod	DROCHLORIC, NITR TING OF TIN, LEAD A s to remove layers or	IC, HYDROFLUORIC AND SILVER. partial layers) Waste

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY			
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, SM-30					]		
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FORM		AGEMENT	
Sec. 1	A. Waste WASTE IS A MIX Description PERCHLORIC USE	TURE OF D FOR RI	WAT UNNI	ER, ALCO NG ELECT	HOL, EI ROLITIC	THANOL, METH C REACTIONS.	IANOL,	
B. EPA	Hazardous Waste Code(s) D001 D00	)2		C. State Haz	ardous Was	te Code(s)		
D. Sourc	Source Code E. Form Code F.Q			F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>05</u>	<u>W103</u>				2.17	minimization code	
Manage	ment Method code for Source code G25			UOM <u>3</u>			X	
				Density	0.(	<u>)0</u> spec.gra		
00	Was any of this waste managed on-site?	>						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			C	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO IT	TEM B)			, ,			
	B. EPA ID No. of facility to which waste was shipped N		C. C Met	Off-site Manager hod code shipp	ment oed to	D. Total quantity shipped in 2011		
Site 1	<u>UTD981552177</u>	HC		<u>H040</u>			2.17	
Site 2								
Site 3								
Commo	ents Spent concentrated acid FROM hardening, etc.) Waste Min: No mini	l:Metal forming mization	) and tre	eatment (pickling	ı, heat treating	g, punching. bending, a	nnealing, grinding,	

OMB#: 2	050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY				
SITE NA	ME LOS ALAMOS NATIONAL	LABORATC	RY		2011 Hazardous Waste Repor				
EPA ID	LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>					WASTE G AND MA	ENERATION NAGEMENT		
Sec. 1 A. Waste WATER, NITRIC AND SULFURIC ACIDS, SILVER, GOLD, COPPER, Description POTASSIUM PERMANGANATE, IRON CHLORIDE AND POLYMER OF POLY (METHYL METHACRYLATE).									
B. EPA H	Hazardous Waste Code(s) D002 D0	01		C. State Haz	ardous Wa	ste Code(s)			
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated ir	1 2011	G.Waste		
G	<u>09</u>	<u>W113</u>				1.58			
Manager	ment Method code for Source code G25			UOM <u>3</u>			X		
				Density	0.	<u>00</u> spec.gra			
	Was any of this waste managed on-site	?		-			·		
Sec. 2					Х	NO(SKIP TO S	SEC. 3)		
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2		
On-site	Management Quantity treate	d, disposed, or a in 2011	ſ	On-site Management Quantity treated, dispos			treated, disposed, or		
		2011		Weur	ou coue	recycled			
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	atmer	nt, disposal, or	recycling?				
	X Yes(CONTINUE TO I	TEM B)							
	B. EPA ID No. of facility to which waste was shipped		C. Off-site Managem Method code shippe		nent D. Total quantity s led to		hipped in 2011		
Site 1	<u>UTD981552177</u>			<u>H040</u>			1.58		
Site 2									
Site 3									
Comme	ents COMBINATION OF THREE SMALL SILVER/GOLD FOIL IN ACID TO LE POLY(METHYL METHACRYLATE) FROM:Other production or service-r No minimization	CHEMICAL SY EACH OUT SILV IN ACID AND T elated processes	NTHES 'ER AN HE ELI s(wher	SIS RESEARCH ND GOLD REMA ECTR Other the waste is a	PROJECTS NNS; DISSC r aqueous w direct outflo	CONSISTING OF DIS LVING COPPER FOIL aste or wastewaters (flu w or result - specify in c	SOLVING WITH POLYMER OF uid, not sludgy) comments) Waste Min:		

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIF OR ENTER:	PROTECTION AGENCY					
SITE NAME LOS ALAMOS NATIONAL I	LABORATORY			2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD, S	<u>5M-30</u>					
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>			FORM	AND MAN	AGEMENT	
	(			]		
A. Waste WATER. ALCOHOL	(ISOPROPYI	L), ETHAN Ded 7100	IOL, MET Notim	HANOL, PERC	HLORIC ACID	
NEW WASTE IS BU	JTOXY ETHAI	NOL BEING	G ADDED	TO THIS FOR	MER WPF. 3	
B. EPA Hazardous Waste Code(s)	TTLES W/SAN	TE WPF NU	MBER zardous Wast	e Code(s)		
	)1			(-)		
D. Source Code				2011	G Waste	
	E. Form Code				minimization code	
Manag୍ <del>ରିଆହ</del> ିnt Method code for Source code G25	W219	LIOM		0.95	X	
		Density-	0.0	0 spec ara		
Was any of this waste managed on-site?	,					
Sec. 2						
ON-SITE PROCESS SYST	EM 1		XŊ	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated	, disposed, or	On-site Management Quantity treated, dispos			reated, disposed, or	
Method code recycled on-site	in 2011	Method code recycled on-site in 20			on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site in	n 2011 for treatme	nt, disposal, or	recycling?			
B. EPA ID No: of tacility to which waste was	s5hhippēd∕ C. Me	C. Off-site Management Method code shipped to		D. Total quantity shipped in 2011		
Site 1 UTTD981552177		H040			0.95	
		110 10				
Site 3						
OMB#:	2050-0024	Expires	11/30/2011			
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:		U.S. ENVI PROTECT	RONMENTAL ION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	LABORATO SM-30	RY		2011 Hazard	ous Waste Report	
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>		FORM	AND MAI	NAGEMENT		
Sec. 1	A. Waste TETRA ETCH ETCI Description	HANT -DI	МЕТНОХҮЕТН	ANE			
B. EPA I	Hazardous Waste Code(s) D002 D00	)1	C. State Ha	azardous Was	te Code(s)		
D. Sourc	ce Code	E. Form Co	de F.Quantity	Generated in	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>			48.60	minimization code	
Manage	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>	
			. Density	0.(	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)		X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1		C	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site Met	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment, disposal, o	r recycling?			
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manag Method code ship	ement oped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>ARD069748192</u>		<u>H040</u>			0.90	
Site 2	FLD980711071		<u>H061</u>			2.94	
Site 3	<u>UTD981552177</u>		<u>H040</u>		44.75		
Commo	ents Lab packs with no acute hazard chemicals or products (Unused produ	Lous waste (from Ict - Including U	any source) FROM and P listed wastes)	:Discarding off- Waste Min: No	specification, out-of-da o minimization	ate, and/or unused	

OMB#: 2	2050-0024 Expires 11/30/2011									
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ON AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY		2011 Hazardous Waste Report					
	BIKINI ATOLL ROAD,	<u>SM-30</u>								
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION			
EPA ID	NO: <u>NM0890010515</u>		FORM	AND MAN	NAGEMENT					
Sec. 1	Sec. 1   A. Waste   ELECTROLYTE SOLUTION CONTAINING ACETIC ACID AND PERCHLORIC     Description   ACID   WITH NON-HAZARDOUS     METALS   ACID									
B. EPA Hazardous Waste Code(s) D002 D001 C. State					ardous Was	ste Code(s)				
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste				
<u>G</u>	22	<u>W101</u>				1.20	minimization code			
Manage	ment Method code for Source code G25			UOM <u>3</u>			X			
				Density	0.	<u>00</u> spec.gra				
00	Was any of this waste managed on-site?	2								
Sec. 2					XN	IO(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011						
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?					
	X Yes (CONTINUE TO I	'EM B)		Off aita Managa	mant					
	B. EPA ID No. of facility to which waste was	s shipped	Met	hod code shipp	bed to	D. Total quantity sh	ipped in 2011			
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.20</u>			
Site 2										
Site 3										
Commo	ents Very dilute aqueous waste conta analytical wastes (used chemicals fro	aining more tha	an 99% operatio	water (Land Bar ns)) Waste Min:	n defined was : No minimiza	tewater, not exempted tion	) FROM:Laboratory			

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NA	ITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>					2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION NAGEMENT			
Sec. 1	Sec. 1 A. Waste PERCHLORIC ACID SOLUTION 1% TO 2% Description									
B. EPA Hazardous Waste Code(s) D001 D002				C. State Haz	ardous Was	te Code(s)				
D. Sourc <u>G.</u> Manager	Source Code E. Form Code   G22 W105   anagement Method code for Source code G25 H105		ode	F.Quantity Generated in 2011   G.Waste minimization code     0.00   Spec.gra						
Sec. 2	Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011						
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt. disposal. or	recvclina?					
	X Yes(CONTINUE TO II	'EM B)		.,	5					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011			
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>6.60</u>			
Site 2										
Site 3										
Comme	Comments   Acidic aqueous wastes less than 5% acid (diluted but Ph <2) FROM:Laboratory analytical wastes (used chemicals from laboratory operations))									

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA IC	NO: <u>NM0890010515</u>		FORM	AND MAN	NAGEMENT			
Sec. 1	A. Waste WASTE CONSISTS Description BATH. (WASTE	OF A US IS SLUDO	SED GE L	POTASSIU IKE AND	M HYDRO CRYSTAL	XIDE /ISOPR LINE.)	OPANOL BASE	
B. EPA Hazardous Waste Code(s) D001 D002				C. State Haz	ardous Wast	e Code(s)		
D. Source Code E. Form Code			ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	22	<u>W119</u>				15.87	minimization code	
Management Method code for Source code G25			UOM <u>3</u>			<u>X</u>		
				Density	0.0	<u>)0</u> spec.gra		
00	Was any of this waste managed on-site?	)						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	Г <b>ЕМ</b> 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 2	A Was any of this waste shinned off site i	n 2011 for tre	atmer	t disposal or	recycling?			
Sec. 5	X Yes (CONTINUE TO IT	TEM B)	auner	it, disposal, of	recycling:			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>15.87</u>	
Site 2								
Site 3								
Commo	ents WASTE CONSISTS OF A USED PO CRYSTALLINE.) Other inorganic laboratory operations)) Waste Min: N	TASSIUM HYD Iquid (specify Io minimization	DROXIE in com	DE /ISOPROPAN ments) FROM:L	I NOL BASE BA Laboratory and	TH. (WASTE IS SLUI alytical wastes (used c	DGE LIKE AND hemicals from	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL				U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY		2011 Hazardous Waste Report			ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				GM		
	LOS ALAMOS, NM 87545						WASTE G	ENERATION
	<u>NM0890010515</u>							NAGEMENT
Sec. 1	A. Waste ORGANIC SOLVEN' Description IONS AND PRECIS SULFIDES, ORGAN	IS, AQUE PITATES NIC COME	EOUS OF POUN	SOLVENT TOXIC ME DS, PHOS	TS ETZ SPI	, AND ( ALS, T( HINES,	DRGANIC ACI DXIC SOLVEN OXIDES, SA	DS WITH ITS, LTS,
B. EPA	Hazardous Waste Code(s)	N-NACARI	005	C. State Haz	żaro	dous Waste	e Code(s)	
D008								
	D006 D004 D003 D0	01 D022	2					
D. Source Code E. Form Code		de	F.Quantity G	Gen	erated in 2	011	G.Waste minimization code	
Manag <mark>ଡିନ୍ଥିଛ</mark> ିnt Method code for Source code G25		<u>W203</u>		UOM			<u>197.76</u>	<u>X</u>
				Density <sup>3</sup>				
						0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)						
	ON-SITE PROCESS SYST	ГЕМ 1				X M	STE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	r red	cycling?		
	B. EPA ID No: of facility to which waste was	s <del>sh</del> ipped	C. C Met	Dff-site Manage hod code ship	eme oped	ent I to	D. Total quantity sh	ipped in 2011
Site 1	ARD069748192			<u>H040</u>				85.27
Site 2	<u>UTD981552177</u>			<u>H040</u>				25.85
Site 3	ARD069748192			<u>H141</u> <u>86.6</u>			86.63	
Comm	ents Concentrated non-halogenated ( laboratory operations)) Waste Min: N	(E.G. non-chlor lo minimization	rinated)	) solvent FROM	И:La	boratory ana	alytical wastes (used	chemicals from

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTI	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	<u>RY</u>		2011 Hazardous Waste Report			
EPA II	<u>BIKINI ATOLL ROAD, SM-30</u> LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>					GM FORM	WASTE GI AND MAN	
Sec. 1	A. Waste ORGANIC SOLVEN Description IONS AND PRECI SULFIDES, ORGAN AMINES, AND NOT	IS, AQUE PITATES NIC COMP N-HAZARD	OUS OF OUN	SOLVENT TOXIC ME DS, PHOS METALS	SP Zar	, AND ( ALS, T( HINES, <u>NANOP2</u> rdous Waste	DRGANIC ACI DXIC SOLVEN OXIDES, SA	DS WITH TS, LTS, TE
	D001 D00	)3 D022					(-)	
DOT.	D009 D008 D007 D0	06 D004						
D. Source Code E. Form Code			de	F.Quantity G	Ger	nerated in 2	011	G.Waste minimization code
Manag୍ <u>ଡିଲିହ</u> ିnt Method code for Source code G25		<u>W204</u>		UOM <u>87.99</u> Density <sup>3</sup>			X	
	1					0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	2						
	ON-SITE PROCESS SYST	ГЕМ 1				X M	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	ſ	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	atmer	nt, disposal, or	· re	ecycling?		
	B. EPA ID No: of facility to which waste was	s <del>shippe</del> d	C. C Met	Off-site Manage hod code shipp	em pe	ent d to	D. Total quantity sh	ipped in 2011
Site 1	ARD069748192			<u>H040</u>				<u>51.96</u>
Site 2	ARD069748192			<u>H141</u>				<u>15.91</u>
Site 3	<u>UTD981552177</u>			<u>H040</u>				20.11
Comm	ents Concentrated halogenated/ non- laboratory operations)) Waste Min: N	-halogenated so lo minimization	olvent i	mixture FROM:I	La	boratory anal	ytical wastes (used cl	hemicals from

OMB#: 2	2050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAB	EL	U.S. ENVIRONMENTAL PROTECTION AGENCY					
SITE NA	ME LOS ALAMOS NATIONAL	LABORATOR	<u> </u>	2011 Hazardous Waste Report					
	BIKINI ATOLL ROAD,	<u>5M-30</u>		GM					
	LOS ALAMOS, NM 87545			FORM	WASTE G	ENERATION			
	<u>NM0890010515</u>				NAGEMENI				
Sec. 1	Sec. 1 A. Waste AEROSOL CANS AND ASSOCIATED MATERIALS, I.E. PLASTIC BAGS AND Description TAPE. D001, D003, D008, D009 APPLY								
B. EPA Hazardous Waste Code(s) D003 D009 D008 C. Sta				zardous Wast	e Code(s)				
D001	L								
D. Sour	D. Source Code E. Form Code F.Quant			Generated in 2	2011	G.Waste			
<u>G</u>	<u>19</u>	<u>W002</u>			2.04	minimization code			
Manage	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>			
			. Density	0.0	<u>0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?	)							
3ec. 2				X No	O(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYST	EM 1		ON-SITE PROCESS SYSTEM 2					
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	tment, disposal, or	recycling?					
	X Yes(CONTINUE TO II	'EM B)							
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011			
Site 1	<u>TNR000005397</u>		<u>H112</u>			2.04			
Site 2									
Site 3									
Comm	ents TRU WASTE REPACKAGING OPER REPACKAGING IN SEPERATE CON containers, glass, piping, othe FROM	ATION AND PR ITAINERS C 1:Other one-time	OHIBITED ITEM RE contaminated debris: or intermittent proce	I MOVAL. REMC paper, clothing sses(specify in	OVAL OF AEROSOL ( I, rags, wood, empty fi comments) Waste M	CANS AND ber or plastic in: No minimization			

OMB#: 2050-0024 Expires 11/30/20	)11								
BEFORE COPYING FORM, ATTA OR ENTER:	CH SITE IDENTIFICATI	ON LABEL			U.S. ENVIR	ONMENTAL ON AGENCY			
SITE NAME <u>LOS ALAMOS</u> BIKINI ATO	NATIONAL LABO LL ROAD, SM-3	<u>ratory</u> 0		GM	2011 Hazardo	ous Waste Report			
LOS ALAMOS, EPA ID NO: <u>NM08900</u>	<u>NM 87545</u> 10515		FORM	WASTE GI AND MAN	ENERATION IAGEMENT				
Sec. 1 A. Waste NON-ROUTINE SCHEDULED CLEAN-UP OF A SMALL MAGNESIUM MACHINING Description PROJECT									
B. EPA Hazardous Waste Code(s	003	C. State Haz	ardous Wast	e Code(s)					
D. Source Code E. Form Code			F.Quantity G	enerated in 2	2011	G.Waste			
<u>G11</u>	W3	07			31.34	minimization code			
Management Method code for Sou	urce code G25		UOM <u>3</u>			X			
			Density	0.0	<u>0</u> spec.gra				
Was any of this waster	nanaged on-site?								
560.2				X No	SKIP TO S	EC. 3)			
ON-SITE	PROCESS SYSTEM 1			0	N-SITE PROCESS	SYSTEM 2			
On-site Management Method code	Quantity treated, dispo recycled on-site in 20	sed, or )11	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011						
Sec. 3 A. Was any of this waste X Yes (CONT)	shipped off site in 2011 INUE TO ITEM B	for treatment	t, disposal, or	recycling?					
B. EPA ID No. of facility to	o which waste was shippe	ed C. O Meth	ff-site Manage nod code shipp	ment bed to	D. Total quantity shi	pped in 2011			
Site 1 <u>ARD06974</u>	8192		<u>H040</u>			<u>31.34</u>			
Site 2									
Site 3									

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION L	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORAT	<u>ORY</u>		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1 A. Waste AEROSOL CANS AND ASSOCIATED MATERIALS, I.E. PLASTIC BAGS AND Description TAPE. D001, D003 AND D008 APPLY								
B. EPA Hazardous Waste Code(s) D001 D003 D008 C. State H					ardous Was	te Code(s)		
D. Sourc	D. Source Code F.Quantity			F.Quantity G	enerated in	2011	G.Waste	
G	19	W002				3.85	minimization code	
Manager	ment Method code for Source code G25	<u>M002</u>		UOM 3			<u>X</u>	
				 Density	0 (	) anec ara		
				2011010		<u>Jo</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	TEM 1			C	N-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, c	or	On-site Management Quantity treated, disposed, or				
IME	ethod code recycled on-site	2011		Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO I)	CEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	Met	off-site Manage thod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>TNR000005397</u>			<u>H112</u>			<u>3.85</u>	
Site 2								
Cite 2								
Sile 3								
Comme	TRU WASTE REPACKAGING OPER REPACKAGING IN SEPERATE CON containers, glass, piping, othe FROM	RATION AND F NTAINERS /I:Other one-tin	PROHIE Conta ne or in	BITED ITEM REN minated debris: termittent proces	MOVAL. REM paper, clothin sses(specify ir	OVAL OF AEROSOL ( g, rags, wood, empty fi n comments) Waste M	CANS AND ber or plastic in: No minimization	

OMB#: 2050-0024 Expires 11/30/2011									
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					ONMENTAL			
SITE NAME LOS ALAMOS NATIONAL	LABORATC	DRY			2011 Hazardo	ous Waste Report			
BIKINI ATOLL ROAD,	<u>SM-30</u>				]	·			
LOS ALAMOS, NM 87545	- -			GM	WASTE G	ENERATION			
EPA ID NO: NM0890010515				FORM	AND MAN	NAGEMENT			
Sec. 1 A. Waste DETONABLE QUANTITIES OF HE ON LAB MATERIALS USED TO CLEAN Description EQUIPMENT AND SURFACES									
B. EPA Hazardous Waste Code(s)		C. State Haz	ardous Wast	e Code(s)					
D. Source Code			F Quantity G	enerated in '	2011	G Waste			
D. Source Code	2. Source Code E. Form Code		F.Quantity Generated in 2011 G. Waste minimization code						
Management Method code for Source code G25	<u>W002</u>			<u>x 10.50</u>					
			00M <u>1</u>			<u> </u>			
		1	Density	0.0	<u>)0</u> spec.gra				
Man any of this worth managed on site	2					<b>!</b>			
Sec. 2 Vas any of this waste managed on-site	ית החדים. יתה החדים	OCEC		л 1 <b>)</b>					
	TEM 4		5 51516	<u> </u>		EVETEM 2			
On-site Management Quantity treate	d. disposed. o	or	On-site M	Management Quantity treated, disposed, or					
Method code recycled on-sit	e in 2011		Method code recycled on-site in 2011						
<u>H129</u>	18.	50							
Soc. 3 A Was any of this waste shinned off site	in 2011 for tre		disposal or	recycling?					
Sec. 3 A. Was any of this waste shipped of site		v	, disposal, or ' No (도	ORM IS					
B. EPA ID No. of facility to which waste wa	s shipped	C. Of	f-site Manage	ment		inned in 2011			
		Meth	od code shipp	bed to	D. Total quantity sh				
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									

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ENAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30			GM	2011 Hazardo	ous Waste Report
EPA II	D NO: <u>NM0890010515</u>			FORM	AND MAN	
Sec. 1	A. Waste TOLUENE NAK - Description	SODIUM ,	POTASSIUM			
B. EPA	Hazardous Waste Code(s) D001 D00	03	C. State Haz	zardous Wast	e Code(s)	
D. Sourc <u>G</u> Manage	ce Code <u>11</u> ment Method code for Source code G25	E. Form Coc <u>W001</u>	le F.Quantity G UOM <u>3</u> Density	enerated in 2	2011 212.85 0 spec.gra	G.Waste minimization code <u>X</u>
Sec. 2	Was any of this waste managed on-site?	?		X No	SKIP TO S	EC. 3)
On-site Me	ON-SITE PROCESS SYS <sup>®</sup> Management Quantity treated ethod code recycled on-site	TEM 1 d, disposed, or ∋ in 2011	On-site M Meth	O Aanagement od code	N-SITE PROCESS Quantity t recycled o	SYSTEM 2 reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for trea ГЕМ В)	atment, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	ARD069748192		<u>H040</u>			46.66
Site 2	<u>UTD981552177</u>		<u>H040</u>			145.05
Site 3	<u>TXD055141378</u>		<u>H141</u>			8.89
Site 4	COD980591184		<u>H141</u>			12.24
Comm	ents Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (from uct - Including U	any source) FROM: and P listed wastes)	Discarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	<u>DRY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]	
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste SHOP 39 MACHII Description MAGNESIUM	NING PRC	)JECT	'OF A M	ANUFACT	URED BLOCK	OF
B. EPA	Hazardous Waste Code(s) D001 D00	03		C. State Haz	ardous Wast	te Code(s)	
D. Sourc	ce Code	E. Form Co	de I	F.Quantity G	enerated in	2011	G.Waste
G	11	W307				5.80	minimization code
Manage	ment Method code for Source code G25	<u></u>		UOM 3			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	>	ļ				
Sec. 2					X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	r	On-site M Metho	lanagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec 3	A Was any of this waste shipped off site	in 2011 for tre	atment	disposal or	recyclina?		
Sec. 5	X Yes (CONTINUE TO IT	TEM B)	Jatmont,		looyoning.		
	B. EPA ID No. of facility to which waste was	s shipped	C. Off Metho	f-site Manager od code shipp	ment ed to	D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			5.80
Site 2							
Site 3							
Comm	ents Metal scale, filings and scrap (in or products (Unused product - Includi	I Including metal d Ing U and P liste	drums) F ed waste	ROM:Discardii es) Waste Min:	ng off-specific No minimizat	ation, out-of-date, and ion	or unused chemicals

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAB	EL		U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME <u>LOS ALAMOS NATIONAL 3</u> <u>BIKINI ATOLL ROAD, 9</u> LOS ALAMOS, NM 87545	<u>LABORATOR</u> SM-30	<u>Y</u>	GM	2011 Hazard	ous Waste Report
EPA ID	NO: <u>NM0890010515</u>			FORM		NAGEMENT
Sec. 1	A. Waste CHLORINE TRIFLE Description	UORIDE (D	OT 3AA2015	5)		
B. EPA I	Hazardous Waste Code(s) D003 D00	)1	C. State Haz	zardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste
<u>G</u>	11	<u>W801</u>			0.50	minimization code
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>
			. Density	0.0	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)		X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	Г <b>ЕМ 1</b>		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site Meth	Management nod code	Quantity frecycled	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	ment, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)				
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>TXD982290140</u>		<u>H121</u>			0.50
Site 2						
Site 3						
Comme	Compressed gases (any type) F product - Including U and P listed was	FROM:Discarding stes) Waste Min:	off-specification, ou No minimization	it-of-date, and/c	or unused chemicals o	or products (Unused

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECT	ION AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORAT	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
	LOS ALAMOS, NM 87545					WASTE G	ENERATION
EPA IL 	NO: <u>NM0890010515</u>				FURIN		NAGEMENT
Sec. 1	A. Waste AEROSOL CANS A Description TAPE. D001 AN	ND ASSO D D003 2	CIAT APPL	ED MATER	IALS,	I.E. PLASTIC	C BAGS AND
B. EPA I	Hazardous Waste Code(s) D003 D00	01		C. State Haz	zardous Wa	ste Code(s)	
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>19</u>	<u>W002</u>				12.02	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	?		•			
Sec. 2					X I	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treatec ethod code recycled on-site	l, disposed, c in 2011	or	On-site M Meth	lanagemen od code	t Quantity f recycled o	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	In 2011 for tre	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	TNR000005397			<u>H112</u>			12.02
Site 2							
Site 3							
Comme	TRU WASTE REPACKAGING OPER REPACKAGING IN SEPERATE CON containers, glass, piping, othe FROM	RATION AND F NTAINERS <i>I</i> :Other one-tin	PROHIE Conta ne or in	BITED ITEM REI minated debris: termittent proces	MOVAL. REN paper, clothin sses(specify	IOVAL OF AEROSOL ( ng, rags, wood, empty f in comments) Waste M	CANS AND iber or plastic lin: No minimization

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL 3	LABORATOF	<u> </u>		2011 Hazardo	ous Waste Report
EPA II	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>SM-30</u>		GM FORM	WASTE G	ENERATION IAGEMENT
Sec. 1	A. Waste 450 GRAMS OF L Description TRITIUM. LITHI AND OVER PACKE	ITHIUM 6 UM IS PAC D INTO 3(	HYDRIDE CO CKED IN ROE ) GAL STEEI	NTAMINA BUST STA	TED WITH 60 INLESS STEE	0 CURIES OF L CONTAINER
B. EPA	Hazardous Waste Code(s) D001 D00	03	C. State Haz	zardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Code	e F.Quantity G	Senerated in 2	2011	G.Waste minimization code
<u>G</u> Manage	22 ment Method code for Source code G25	<u>W319</u>	UOM <u>3</u>		63.50	<u>X</u>
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	?		X No	D(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or a in 2011	On-site Meth	Aanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for trea	tment, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>TNR000005397</u>		<u>H111</u>			63.50
Site 2						
Site 3						
Comm	900 GRAMS OF LITHIUM 6 HYDRID FROM:Laboratory analytical wastes (	E WITH 1200 CU	JRIES OF TRITIUM	ON IT. Oth	er inorganic solids (sr Min: No minimization	ecify in comments)

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	RY		2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>			FORM		IAGEMENT
Sec. 1	A. Waste SILICON CARBID Description METALS SUCH A S METALS AND KER	E GRINDI SILVER A OSENE OR	NG PAPERS V ND CHROMIUN WATER	NITH TOX M AND VA	ICITY CHARA RIOUS NON-H	CTERISTIC AZARDOUS
B. EPA	Hazardous Waste Code(s) D011 D00	)9 D008	C. State Ha	zardous Wast	e Code(s)	
D007	7 D006 D005 D004 D001					
D. Sourc	ce Code	E. Form Co	de F.Quantity 0	Generated in 2	2011	G.Waste
G	09	W319			3.60	minimization code
Manage	ment Method code for Source code G25	<u></u>	UOM 3			<u>X</u>
			. Density	0.0	<u>)0</u> spec.gra	
Soc. 2	Was any of this waste managed on-site?	)				
3ec. 2				X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	- On-site I Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea	atment, disposal, oi	r recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement pped to	D. Total quantity sh	pped in 2011
Site 1	<u>ARD069748192</u>		<u>H141</u>			<u>3.60</u>
Site 2						
Site 3						
Site 3   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				STIC METALS AND		

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIF PROTECTI	ONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL :	LABORATORY	<u></u>		_ 2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPAID NO: <u>NM0890010515</u>			GM FORM	WASTE GI AND MAN	ENERATION IAGEMENT	
Sec. 1	A. Waste WASTE INCLUDES Description	SPENT CHE	MICALS FR	OM RESE	ARCH OPERAT	'IONS.
B. EPA	Hazardous Waste Code(s) F002 D02	28 D022	C. State Haz	ardous Wast	te Code(s)	
D019	9 D011 D008 D005 D006 D0	07 D001				
D. Sour	ce Code	E. Form Code	F.Quantity G	enerated in	2011	G.Waste
G	22	<u>W119</u>			<u>15.00</u>	
Manage	ment Method code for Source code G25		UOM <u>3</u>			X
			. Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)				
Sec. 2				X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	FEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site M Meth	lanagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	n 2011 for treatm	ent, disposal, or	recycling?		
	X Yes (CONTINUE TO I	'EM B)	Off-site Manage	ment		
	B. EPA ID NO. OF FACILITY TO WHICH WASTE WAS	s snipped	lethod code ship		D. Total quantity shi	pped in 2011
	,	N		bed to		
Site 1	<u>UTD981552177</u>	N	<u>H040</u>			<u>15.00</u>
Site 1 Site 2	<u>UTD981552177</u>		<u>H040</u>			15.00
Site 1 Site 2 Site 3	<u>UTD981552177</u>		<u>H040</u>			<u>15.00</u>

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NA	SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> LOS ALAMOS, NM 87545			GM	2011 Hazardo	ous Waste Report	
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste UN1479 OXIDIZED Description	RS, SOLI	DS				
B. EPA I	Hazardous Waste Code(s) D001 D00	5 D006		C. State Haz	ardous Was	te Code(s)	
D007	7 D008 D011						
D. Sourc	e Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W001</u>				<u>28.30</u>	
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
			·	Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?				X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atmen	t, disposal, or	recycling?		
	X Yes(CONTINUE TO IT	'EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. O Meti	ff-site Manage nod code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>28.30</u>
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from ct - Including U	n any so J and P	ource) FROM:D listed wastes)	Discarding off- Waste Min: No	specification, out-of-da	te, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM OR ENTER:	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME <u>LOS ALA</u> BIKINI	MOS NATIONAL I ATOLL ROAD, S	LABORATC	<u>DRY</u>			2011 Hazardo	ous Waste Report		
LOS ALA	MOS, NM 87545				GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0</u>	<u>890010515</u>				FORM		NAGEMENT		
Sec. 1 A. Waste A. Description	CETONE/HEXANE/	TOLUENE	Ξ						
B. EPA Hazardous Waste Code(s) D005 D001 D008 C. State Haz				ardous Wast	e Code(s)				
D022 D021 D019	9 D018 D007 D0	09 D010	)						
D. Source Code E. Form Code			de	F.Quantity G	Generated in 2011 G.Waste				
<u>G22</u>	<u>G22</u> <u>W204</u>				0.22				
Management Method code	for Source code G25			UOM <u>3</u>			<u>X</u>		
				Density	0.0	<u>00</u> spec.gra			
Sec. 2 Was any of this	waste managed on-site?				X No	o(SKIP TO S	EC. 3)		
0	N-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Management Method code	Quantity treated recycled on-site	, disposed, ol in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011		
Sec. 3 A. Was any of this	s waste shipped off site i	n 2011 for tre	atmen	ıt, disposal, or	recycling?				
X Yes(	CONTINUE TO IT	'EM B)							
B. EPA ID No. of fa	acility to which waste was	shipped	C. O Metl	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1 <u>UTD9</u>	81552177			<u>H040</u>			0.22		
Site 2									
Site 3									
Comments Conc laboratory	centrated halogenated/ non- operations)) Waste Min: N	halogenated so o minimization	olvent n	nixture FROM:L	_aboratory ana	llytical wastes (used c	hemicals from		

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL : BIKINI ATOLL ROAD, : LOS ALAMOS, NM 87545	<u>LABORATC</u> SM-30	<u>DRY</u>		GM FORM	2011 Hazard	ENERATION
	<u>NM0890010515</u>						
Sec. 1	A. Waste BA NITRATE Description						
B. EPA I	Hazardous Waste Code(s) D001 D00	05		C. State Haz	ardous Wast	te Code(s)	
D. Sourc	. Source Code E. Form Code			F.Quantity Generated in 2011 G.Waste			G.Waste
G	11 Mathad and for Source and C25	<u>W001</u>			<u>0.76</u>		w
wanager	ment Method code for Source code G25			UOM <u>3</u>			<u>A</u>
1			ł	Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	?	•				•
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site ManagementQuantity treated, disposed, orMethod coderecycled on-site in2011			or	On-site M Meth	lanagement od code	Quantity f recycled	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre [EM_B)	eatmen	t, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>FLD980711071</u>			<u>H111</u>			0.76
Site 2							
Site 3							
Comme	Lab packs with no acute hazard chemicals or products (Unused products)	ous waste (fror uct - Including U	m any so U and P	ource) FROM:E listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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Comme	Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including L	m any so U and P	ource) FROM:D listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da	ite, and/or unused
Site 3							
Site 2							
Site 1	FLD980711071			<u>H111</u>			0.25
	B. EPA ID No. of facility to which waste was	s shipped	C. Of Meth	ff-site Manage nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	<b>in 2011 for tre</b> ГЕМ В)	eatment	t, disposal, or	recycling?		
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				On-site M Meth	lanagement od code	Quantity f	reated, disposed, or on-site in 2011
	ON-SITE PROCESS SYS	TEM 1		0	0	N-SITE PROCESS	SYSTEM 2
Sec. 2	Was any of this waste managed on-site?	?			X No	o(SKIP TO S	EC. 3)
Manager	nent Method code for Source code G25			UOM <u>3</u> Density	0.0	<u>00</u> spec.gra	X
G	<u>11</u>	<u>W001</u>			0.25 minimization co		
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	enerated in 2	2011	G.Waste
B. EPA I	Hazardous Waste Code(s) D001 D00	06		C. State Haz	ardous Wast	e Code(s)	
Sec. 1	A. Waste CD NITRATE Description						
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
	LOS ALAMOS, NM 87545	<u>BM 90</u>			GM	WASTE G	ENERATION
SITE NA	ME <u>LOS ALAMOS NATIONAL</u>	LABORATO	<u>ORY</u>			2011 Hazard	ous Waste Report
OR ENTE	R:					PROTECT	ON AGENCY

OMB#:	2050-0024	Expires	11/30/2011
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SITE NAME LOS ALAMOS NATIONAL LAH BIKINI ATOLL ROAD, SM- LOS ALAMOS, NM 87545 EPA ID NO: NM0890010515 Sec. 1 A. Waste CHROMIUM TRIOXIDH Description Doo1 D007 B. EPA Hazardous Waste Code(s) D001 D007	BORATORY - 30 E . Form Code <u>V001</u>	C. State Haz	GM FORM	2011 Hazardo WASTE GI AND MAN	ous Waste Report
LOS ALAMOS, NM 87545     EPA ID NO: <u>NM0890010515</u> Sec. 1   A. Waste Description   CHROMIUM TRIOXIDI     B. EPA Hazardous Waste Code(s)   D001 D007   D001 D007     D. Source Code   E.   E.     G11   Management Method code for Source code G25   Management Method code for Source code G25	E . Form Code <u>V001</u>	C. State Haz	GM FORM	WASTE GI AND MAN	
EPA ID NO:   NM0890010515     Sec. 1   A. Waste   CHROMIUM TRIOXIDI     Description   Description   Description     B. EPA Hazardous Waste Code(s)   D001 D007     D. Source Code   E.     G11   Management Method code for Source code G25	E . Form Code <u>V001</u>	C. State Haz	FORM	AND MAN	NAGEMENT
Sec. 1   A. Waste Description   CHROMIUM TRIOXIDI     B. EPA Hazardous Waste Code(s)   D001 D007     D. Source Code   E.     G11   Management Method code for Source code G25	E . Form Code <u>¥001</u>	C. State Haz F.Quantity G	ardous Wast	e Code(s)	
B. EPA Hazardous Waste Code(s)   D001 D007     D. Source Code   E.     G11   Management Method code for Source code G25	. Form Code <u>₹001</u>	C. State Haz	ardous Wast	e Code(s)	
D. Source Code <u>G11</u> Management Method code for Source code G25	. Form Code <u>₹001</u>	F.Quantity G			
G11 Management Method code for Source code G25	<u>N001</u>		enerated in 2	2011	G.Waste
Management Method code for Source code G25			20.65 minimization co		
		UOM <u>3</u>			<u>X</u>
		Density	0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?					
Sec. 2			X No	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYSTEM	11		0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated, dis Method code recycled on-site in	sposed, or 2011	On-site N Metho	lanagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site in 20	011 for treatme	nt, disposal, or	recycling?		
X Yes (CONTINUE TO ITEM	ИB)		, ,		
B. EPA ID No. of facility to which waste was shi	ipped C. Me	Off-site Manager thod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1 UTD981552177		<u>H040</u>			20.65
Site 2					
Site 3					
Comments Lab packs with no acute hazardous with no acu	waste (from any Including U and	source) FROM:D P listed wastes) N	Jiscarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	RY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						
<u>los alamos, nm 87545</u>					GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		AGEMENT	
Sec. 1	A. Waste AQUEOUS WASTE T Description SAMPLES WITH TO	NITH ISO DXIC MET	PROPAN	OL FR	OM MECH	HANICALLY PC	LISHING	
B. EPA Hazardous Waste Code(s) D001 D008 D009 C. Stat				State Haz	ardous Was	te Code(s)		
D010 D011								
D. Sourc	D. Source Code E. Form Code			F.Quantity Generated in 2011 G.Waste				
<u>G</u>	22	<u>W219</u>				47.35	minimization code	
Manager	ment Method code for Source code G25		UC	ОМ <u>з</u>			<u>X</u>	
			. De	nsity	0.(	<u>00</u> spec.gra		
500.2	Was any of this waste managed on-site?							
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			C	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	-	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, dis	posal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)	,		, ,			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Method c	e Manage ode shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H0</u>	40			<u>47.35</u>	
Site 2								
Site 3								
Comme	Site 3   Comments   HIGH TEMPERATURE SUPERCONDUCTOR RESEARCH OPERATIONS. Other organic liquid (specify in comments)     FROM:Laboratory analytical wastes (used chemicals from laboratory operations))   Waste Min: No minimization							

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>DRY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545					GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste WASTE SOLVENTS Description ACIDS FLUXES F	, DEGRE# ROM HIGH	ASER H MA	S, EPOXI GNETIC F	ES, VAF IELD RE	ZNISH, TCLP ESEARCH OPER	METALS, AND ATIONS.
B. EPA I	Hazardous Waste Code(s) D001 D00	)8 F005		C. State Haz	ardous Was	te Code(s)	
F003 F002 D011							
D. Sourc	D. Source Code E. Form Code F			F.Quantity Generated in 2011 G.Waste			G.Waste
<u>G</u>	22	W204				minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	00 spec.gra	
500.2	Was any of this waste managed on-site?	?					
Sec. 2					X N	O(SKIP TO S	EC. 3)
·	ON-SITE PROCESS SYST	ГЕМ 1			C	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated sthod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	i <b>n 2011 for tre</b> TEM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>4.53</u>
Site 2							
Site 3							
Comme	concentrated halogenated/ non- laboratory operations)) Waste Min: N	-halogenated s lo minimization	olvent เ า	mixture FROM:L	_aboratory an	alytical wastes (used c	hemicals from

OMB#: 2050-0	024 Expires 11/30/2011						
BEFORE COP OR ENTER:	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:					PROTECTI	ONMENTAL ON AGENCY
SITE NAME	LOS ALAMOS NATIONAL I	LABORATO	RY			_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u> 5M - 30</u>			GM		
	LUS ALAMOS, NM 87545				FORM		
	<u>NM0890010515</u>						
<b>Sec. 1</b> A. W	/aste WASTE RESULTS H Description DISTILLATION, H WASTE INCLUDES	FROM SYN FILTRATI SOLVENT	THES ON, 'S AN	SIS OF C REFLUX ID REACT	COMPOUND AND COL LION BY-	S. PROCESSE JUMN CHROMAT PRODUCTS IN	S INCLUDE OGRAPHY. ISOLUBLE OR
B. EPA Hazar	SOLUBLE IN THE rdous Waste Code(s)	SOLVENT	s.	C. State Haz	zardous Wast	te Code(s)	
F003 F0	D001 D01 D01	.0 D011					
	D027 D022 F005						
D. Source Co	de	E. Form Coo	de	F.Quantity G	Senerated in	2011	G.Waste minimization code
Manag <u>enden</u> t	Method code for Source code G25	<u>W113</u>		UOM		50.80	X
				Density <sup>3</sup>			
					0.0	<u>)0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?							
	ON-SITE PROCESS SYST	EM 1			X V	RI-SITE PROCESS	SYSTEM 2
On-site Man Method	code code code code code code code code	, disposed, or in 2011		On-site M Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011		
Sec. 3 A. W	/as any of this waste shipped off site i	n 2011 for trea	atment,	, disposal, or	recycling?		
B. El	PA ID No. of facility to which waste was	'Emped'	C. Of Metho	f-site Manage od code shipj	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>50.80</u>
Site 2							
Site 3							
Comments	Site 3   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						

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national i</u>	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, S	<u>5M-30</u>					·	
LOS ALAMOS, NM 87545					GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAN	AGEMENT	
Sec. 1	Description ORGANIC COMPOUNDS FROM GLASSWARE.							
B. EPA I	Hazardous Waste Code(s) F002 F00	)3 F005		C. State Haz	Hazardous Waste Code(s)			
D001	D010 D022							
D. Sourc	D. Source Code E. Form Code F.Q			F.Quantity G	F.Quantity Generated in 2011 G.Waste			
<u>G</u>	22	<u>W203</u>			<u>45.36</u>			
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
			Density	0.	<u>00</u> spec.gra			
Sec. 2	Sec. 2 Was any of this waste managed on-site?							
					XN	IO(SKIP TO S	EC. 3)	
On aita	ON-SITE PROCESS SYST	EM 1	r	On site N	( 1000000000000000000000000000000000000	Ouantity t	SYSTEM 2	
Me	ethod code recycled on-site	in 2011	1	Method code recycled on-site in 2011				
Sec 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt. disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C	Off-site Manage	ment	D. Total quantity sh	ipped in 2011	
			Met	hod code shipp	ped to			
Site 1	<u>UTD981552177</u>			<u>H040</u>			45.36	
Site 2								
Sito 3								
Sile 3								
Comme	Concentrated non-halogenated	E.G. non-chlo	rinated	) solvent FROM	:Laboratory a	nalytical wastes (used	chemicals from	
	laboratory operations)) Waste Min: N	o minimizatior	1					

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>ORY</u>		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			CM			
LOS ALAMOS, NM 87545					GIVI	WASTE G	ENERATION	
	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste THIS WASTE CONS Description SYNTHESIS OF T	SISTS OI ECHNETIU	F SP UM C	ENT SOLV OMPOUNDS	ENTS FR	OM R&D WORK	ON THE	
B. EPA Hazardous Waste Code(s) F002 D028 D010 C. S				C. State Haz	C. State Hazardous Waste Code(s)			
D001 F003 F005								
D. Sourc	. Source Code E. Form Code F.Quantity			F.Quantity G	enerated in 2	2011	G.Waste	
<u>G</u>	11	<u>W204</u>				2.17	minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
Density <u>0.00</u> spec.gra								
Sec. 2	Was any of this waste managed on-site?							
Sec. 2					X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)	-					
	B. EPA ID No. of facility to which waste was	shipped	C.C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	pped in 2011	
Site 1	<u>FLD980711071</u>			<u>H061</u>			2.17	
Site 2								
Site 3								
Comme	chemicals or products (Unused produ	halogenated s ict - Including l	olvent r U and F	mixture FROM:[ P listed wastes)	Discarding off- Waste Min: No	specification, out-of-da	te, and/or unused	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			D.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATC	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM		
	LOS ALAMOS, NM 87545					WASTE G	ENERATION
EPAIL	NO: <u>NM0890010515</u>				FORM		NAGEMENI
Sec. 1	A. Waste WASTE RESULTS Description OCMPOUNDS.	FROM SYN	JTHE:	SIS OF O	RGANIC	AND ORGANOM	ETALLIC
B. EPA Hazardous Waste Code(s) D021 D019 D011				C. State Haz	ardous Wa	ste Code(s)	
D001 D022 F005 F003 F002 D028							
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	22	<u>W204</u>				102.06	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
Density <u>0.00</u> spec.gra							
Sec. 2	Was any of this waste managed on-site?	)					
					X I	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			-	ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated ethod code recycled on-site	, disposed, oi in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
	,					,	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. O Meth	ff-site Manager nod code shipp	ment oed to	D. Total quantity shipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>		<u>68.04</u>	
Site 2	Site 2 <u>ARD069748192</u>			<u>H040</u>		34.02	
Site 3							
Comme	ents Concentrated halogenated/ non- laboratory operations)) Waste Min: N	halogenated so lo minimization	olvent n	nixture FROM:L	_aboratory a	nalytical wastes (used c	hemicals from

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			D.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>ORY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>					·
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste METAL CONTAININ Description CONTAINS BOTH N METALS RESULTIN	NG HALOO HALOGENA NG FROM	GENA ATED CHE	TED ORGA AND NON MICAL SY	NIC WA -HALOG NTHESI	STE: THE WA ENATED COMPC S AND CLEANI	STE VUNDS AND NG.
B. EPA I	Hazardous Waste Code(s) D001 D01	1 F003		C. State Haz	ardous Wa	ste Code(s)	
F002 F001 D022 F005							
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
G	22	W2 <u>04</u>				37.64	minimization code
Manager	ment Method code for Source code G25			UOM 3			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	1					
Sec. 2					X I	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site M Meth	lanagemen od code	t Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n <b>2011 for tre</b> 'EM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	Site 1 <u>UTD981552177</u>			<u>H040</u>			<u>37.64</u>
Site 2							
Site 3							
Comme	concentrated halogenated/ non- laboratory operations)) Waste Min: N	halogenated s o minimizatior	solvent i	mixture FROM:I	Laboratory a	nalytical wastes (used c	hemicals from

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL	LABORATO	DRY			2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT
Sec. 1 A. Waste UN1992 WASTE F Description	LAMMABLE	E LIÇ	QUID TOX	IC		
B. EPA Hazardous Waste Code(s) U077 U074 U056 C. State H				ardous Was	ste Code(s)	
U046 D028 U019 U003 D001 D011 U031						
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
<u>G11</u>	<u>1</u> W001				77.11	minimization code
Management Method code for Source code G25			UOM <u>3</u>			X
Density <u>0.00</u> spec.gra						
Sec. 2 Was any of this waste managed on-site?	?			XN	O (SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	TEM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	d, disposed, o ∋ in 2011	r	On-site M Metho	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	<b>in 2011 for tre</b> ГЕМ В)	eatment	t, disposal, or	recycling?		
B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manager nod code shipp	ment bed to	D. Total quantity shipped in 2011	
Site 1 <u>UTD981552177</u>			<u>H040</u>			<u>77.11</u>
Site 2						
Site 3						
Comments Lab packs with no acute hazard chemicals or products (Unused products	ous waste (fron uct - Including L	n any so J and P	ource) FROM:D listed wastes) \	Discarding off- Waste Min: N	specification, out-of-da o minimization	te, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> <u>BIKINI ATOLL ROAD, S</u> LOS ALAMOS, NM 87545	<u>LABORATC</u> 5 <u>M-30</u>	<u>RY</u>		GM	2011 Hazardo	ous Waste Report
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste UN1993 WASTE FI Description	LAMMABLE	LI	QUID			
B. EPA I	Hazardous Waste Code(s) U108 U22	25 U056		C. State Haz	ardous Wast	te Code(s)	
U037	7 U019 U002 D035 D001 D0	11					
D. Sourc	D. Source Code E. Form Code		de	F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W001</u>			<u>98.88</u> minimization		
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?				X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	-	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site in	n 2011 for tre	atmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>98.88</u>
Site 2							
Site 3							
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from lict - Including U	n any s I and P	ource) FROM:D Plisted wastes)	Discarding off-s	specification, out-of-da	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA II	NO: <b>NM0890010515</b>				FORM		NAGEMENT
Sec. 1	A. Waste UN-1983 WASTE Description	FLAMMABI	LE L	IQUID, N	IOS 3,	PGII	
B. EPA	Hazardous Waste Code(s) D035 D03	L1 D001		C. State Haz	ardous W	aste Code(s)	
D. Source Code E. Form Code F.Quantity				F.Quantity G	enerated i	in 2011	G.Waste
G	11	W001				83.91	minimization code
Manage	ment Method code for Source code G25	MOOT		UOM 3			X
				Density	0	0.0 and a area	
				Density	0	<u>.00</u> spec.gra	
00	Was any of this waste managed on-site?	)					
Sec. 2					Х	No(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, o	or	On-site M	lanageme	nt Quantity	treated, disposed, or
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt, disposal, or	recycling?	)	
	X Yes(CONTINUE TO I	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity shipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			83.91
Site 2							
Site 3							
Comm		/f			Dia a andia a a	ff an a sification and of de	to and/an unit of
Commo	chemicals or products (Unused produ	ous waste (from ict - Including (	U and P	Plisted wastes)	Waste Min:	No minimization, out-of-da	ate, and/or unused
		-					

OMB#: 2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	<u>.Y</u>		2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>				
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>			FORM		AGEMENT
Sec. 1 A. Waste WASTE ORGANIC	SOLVENTS	USED FOR C	CLEANING	, DEGREASIN	IG, AND
Description REMOVING SILVER PAINT FROM METALLOGRAPHIC SAMPLES.					
B. EPA Hazardous Waste Code(s) F005 F00	C. State Haz	zardous Wast	e Code(s)		
D001					
D. Source Code	F.Quantity G	Generated in 2	2011	G.Waste	
<u>G22</u>			6.94	minimization code	
Management Method code for Source code G25		UOM <u>3</u>			<u>X</u>
		. Density	0.0	<u>0</u> spec.gra	
Was any of this waste managed on-site?	>				
Sec. 2			X No	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	FEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated	l, disposed, or	On-site M	Management	Quantity t	reated, disposed, or
Method code recycled on-site	IN ZUII	Metr	Method code recycled on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treat	ment, disposal, or	recycling?		
X Yes (CONTINUE TO IT	TEM B)				
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ped to	D. Total quantity shipped in 2011	
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>6.94</u>
Site 2					
Site 3					
Comments Concentrated non-halogenated laboratory operations)) Waste Min: N	(E.G. non-chlorina lo minimization	ated) solvent FROM	l:Laboratory an	alytical wastes (used	chemicals from

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	<u>LABORATO</u> SM-30	) <u>RY</u>		GM	2011 Hazard	ous Waste Report	
EPA ID	D NO: <u>NM0890010515</u>				FORM	AND MAN		
Sec. 1	A. Waste SILVER NITRATE Description							
B. EPA I	Hazardous Waste Code(s) D011 D00	)1		C. State Haz	zardous Was	te Code(s)		
D. Sourc	D. Source Code E. Form Code		de	F.Quantity G	enerated in	2011	G.Waste	
G	<u>11</u>	W001				4.48	minimization code	
Manager	ment Method code for Source code G25			UOM 3			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?			-	X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	ſ	On-site M Meth	lanagement od code	Quantity f	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			H040			4.48	
Site 2								
Site 3								
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	L bus waste (from ct - Including U	n any s J and F	ource) FROM:[ ? listed wastes)	Discarding off- Waste Min: No	specification, out-of-da o minimization	te, and/or unused	

OMB#: 2050-0024 Expires	11/30/2011						
BEFORE COPYING FORM OR ENTER:	I, ATTACH SITE IDENTI	FICATION LAB	BEL	PROTECTION AGENCY			
SITE NAME LOS ALA	AMOS NATIONAL I	LABORATOF	<u> </u>		2011 Hazardo	ous Waste Report	
LOS ALA	AMOS, NM 87545	<u> 314 30</u>		GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0</u>	<u>890010515</u>			FORM	AND MAN	NAGEMENT	
Sec. 1 A. Waste Description (	FLAMMABLE LIQU CYCLOHEXANE, X IRIMETHYL ORTH FETRAMETHYLSIL	IDS (92 ] YLENE, IS OFORMATE, ANE, TETH	ITEMS) INCI SOPROPANOL, TRIETHYL RAHYDR <u>OFUR</u>	UDING N ETHANO ORTHOFO	,N-DIMETHYI L, ACETONIT RMATE,	FORMAMIDE, RILE,	
D. EPA Hazardous Waste		)1 U003	C. State Haz		e code(s)		
D018							
D. Source Code	E. Form Code F.C		e F.Quantity G	Generated in 2	2011	G.Waste minimization code	
Manag <u>entien</u> t Method code	e for Source code G25	W001	UOM		62.40	X	
			. Density <sup>3</sup>	0 0	n spec ara		
Was any of this	waste managed on-site?	) )					
Sec. 2							
0	N-SITE PROCESS SYS	ГЕМ 1		X M	N-SITE PROCESS	SYSTEM 2	
On-site Management Method code	Quantity treatec recycled on-site	l, disposed, or in 2011	r On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. Was any of th	is waste shipped off site i	in 2011 for trea	tment, disposal, or	recycling?			
B. EPA ID NO. Of	facility to which waste was	s stripped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1 UTDS	981552177		<u>H040</u>			<u>62.40</u>	
Site 2							
Site 3							
Comments Lab chemical	packs with no acute hazard s or products (Unused produ	ous waste (from a uct - Including U a	any source) FROM:I and P listed wastes)	Discarding off-s Waste Min: No	pecification, out-of-da	te, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL 1</u> BIKINI ATOLL ROAD, S	<u>LABORATC</u> SM-30	<u>DRY</u>			2011 Hazardo	ous Waste Report	
	LOS ALAMOS, NM 87545				GM FORM	WASTE G		
	<u>NM0890010515</u>						AGEMENT	
Sec. 1	A. Waste BENZENE Description							
B. EPA	Hazardous Waste Code(s) D001 D01	L8		C. State Haz	ardous Wast	te Code(s)		
D. Source Code E. Form Code			de	F.Quantity G	enerated in 2	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>			<u>429.57</u> minimiza			
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)						
						N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	it, disposal, or	recycling?			
	X Yes(CONTINUE TO II	CEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			429.57	
Site 2								
Site 3								
Commo	ents Lab packs with no acute hazardo chemicals or products (Unused produ	us waste (fron uct - Including U	n any s J and P	ource) FROM:D listed wastes)	iscarding off-s Waste Min: No	specification, out-of-da	te, and/or unused	
OMB#: 2	050-0024 Expires 11/30/2011							
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	<u>DRY</u>			2011 Hazardo	ous Waste Report	
EPA IC	<u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u> EPA ID NO: <u>NM0890010515</u>			GM Form	WASTE G	ENERATION IAGEMENT		
Sec. 1	A. Waste 1 PINT OF GASO Description	NLINE AE	BSORI	BED ON A	ABSORB	ENT PILLOW	(PIG).	
B. EPA I	B. EPA Hazardous Waste Code(s) D001 D018 C. State			C. State Haz	ardous Wast	e Code(s)		
D. Sourc	Source Code E. Form Code F.Qu			F.Quantity G	enerated in 2	2011	G.Waste minimization code	
<u>G</u> Manager	<u>19</u> ment Method code for Source code G25	<u>W301</u>				2.26	x	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?			X No	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	I, disposed, o ⊢in 2011	r	On-site M Metho	lanagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre ГЕМ В)	eatment	t, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manager nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			2.26	
Site 2								
Site 3								

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECT	ION AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM		NAGEMENT
Sec. 1	Sec. 1 A. Waste DIESEL FUEL CONTAMINATED FUEL FILTERS						
B. EPA I	Hazardous Waste Code(s) D018 D00	)1		C. State Haz	ardous Wa	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated ir	1 2011	G.Waste
G	19	W210				15.96	minimization code
Manager	ment Method code for Source code G25	MJIO		UOM 3			X
				Density	0	00 anos ars	
				Density	0.	<u></u> spec.gra	
00	Was any of this waste managed on-site?						
Sec. 2					Х	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	EM 1				ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	, disposed, o	or	On-site Management Quantity treated, disposed, o			treated, disposed, or
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011			on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
-	X Yes(CONTINUE TO II	'EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage thod code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1	<u>ARD069748192</u>			<u>H040</u>			1.36
Site 2	<u>UTD981552177</u>			<u>H040</u>			<u>14.60</u>
Site 3							
Comme	EACILITY CONSTRUCTION /UPGR/ and spent carbon (usually from reme Waste Min: No minimization	ADE OPERATI diation, produc	IONS, S	SECURITY LIGH FROM:Other on	TING F e-time or int	ilters, solid adsorbents, termittent processes(spe	ion exchange resins ecify in comments)

OMB#: 2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	<u>84</u>		2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>		GM		
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION
EPAID NO: <u>NM0890010515</u>			FURI		NAGEMENT
Sec. 1 A. Waste WASTE RESULTS FROM THE SYNTHESIS Description COMPOUNDS. PROCESSES INCLUDE DIS AND COLUMN CHROMATOGRAPHY. WAST				NIC AND INC ON, FILTRAT ES SOLVENTS	RGANIC ION, REFLUX AND
B. EPA Hazardous Waste Code(s)		C. State Haz	ardous Wast	e'Code(\$)	
D021 D019 F002 D0	28 D022				
D001 F003 F005	1				
D. Source Code	E. Form Code	e F.Quantity G	enerated in 2	2011	G.Waste minimization code
Manage ସିହିନ୍ଦି Method code for Source code G25	<u>W204</u>	UOM		6.80	<u>X</u>
		Density <sup>3</sup>			
			0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site	?				
ON-SITE PROCESS SYS	TEM 1		X M	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treate Method code recycled on-site	d, disposed, or in 2011	On-site M	On-site Management Quantity treated		reated, disposed, or
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treat	tment, disposal, or	recycling?		
B. EPA ID NO: Of facility to which waste wa	s shipped	C. Off-site Manage Method code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1         UTD981552177		<u>H040</u>			<u>6.80</u>
Site 2					
Site 3					
Comments Concentrated halogenated/ nor laboratory operations)) Waste Min:	h-halogenated solv	vent mixture FROM:I	Laboratory ana	lytical wastes (used cl	hemicals from

OMB#: 2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LABEL			U.S. ENVIF PROTECTI	ONMENTAL
SITE NAME LOS ALAMOS NATIONAL :	LABORATORY			2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>		GM		
EDS ALAMOS, NM 87545			FORM		
<u>NM0890010515</u>					
Sec. 1 A. Waste WASTE RESULTS FROM SYNTHESIS OF Description COMPOUNDS. PROCESSES INCLUDE DI AND COLUMN CHROMOTOGRAPHY. WAST				TALLIC AND ON, FILTRAT ES SOLVENTS	ORGANIC 'ION, REFLUX AND
B. EPA Hazardous Waste Code(s)	JUUCIS INS	C. State Haz	ardous Wast	e Code(s)	JUVENIS.
D019 F002 D022 D02 F003 F005 D001	25 D028				
D. Source Code	E. Form Code	F.Quantity G	enerated in 2	2011	G.Waste minimization code
Manag <u>ଙ୍ଗିମ</u> ୍ପନ୍ଥିମ Method code for Source code G25	<u>W204</u>	UOM		6.80	X
		. Density <u>3</u>			
			0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?	)				
ON-SITE PROCESS SYST	<b>FEM 1</b>		X No	N-STEPROCESS SYSTEM/2	
On-site Management Quantity treated Method code recycled on-site	in 2011	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site	n 2011 for treatme	ent, disposal, or	recycling?		
B. EPA ID No. of facility to which waste was	Shipped C. M	Off-site Manage ethod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>6.80</u>
Site 2					
Site 3					
Comments Concentrated halogenated/ non- laboratory operations)) Waste Min: N	halogenated solven Io minimization	t mixture FROM:I	_aboratory ana	lytical wastes (used cl	hemicals from

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> LOS ALAMOS NM 87545				GM	2011 Hazard	ous Waste Report
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAI	NAGEMENT
A. Waste VARIOUS SOLVEN Description	rs.					
Hazardous Waste Code(s) F005 F00 9 D001 D022	)3 F002		C. State Haz	ardous Was	te Code(s)	
ce Code     E. Form Code       11     W204		F.Quantity G	F.Quantity Generated in 2011 G.Waste minimization cod			
			UOM <u>3</u> Density	0.(	<u>)0</u> spec.gra	<u>~</u>
Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site M Meth	lanagement od code	Quantity recycled	reated, disposed, or on-site in 2011
A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	eatmen	it, disposal, or	recycling?		
B. EPA ID No. of facility to which waste was	shipped	C. C Met	)ff-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
<u>UTD981552177</u>			<u>H040</u>			0.90
chemicals or products (Unused produ	halogenated so ct - Including L	olvent r J and P	nixture FROM:I	Discarding off- Waste Min: N	specification, out-of-da o minimization	ate, and/or unused
	COPYING FORM, ATTACH SITE IDENTILER:         ME       LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545         DNO:       NM0890010515         A. Waste       VARIOUS SOLVENT Description         Hazardous Waste Code(s)       F005 F00         D D01 D022       F005 F00         Description       Management         Was any of this waste managed on-site?         ON-SITE PROCESS SYST         Management       Quantity treated recycled on-site         A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         UTD981552177         Image: Concentrated halogenated/ non- chemicals or products (Unused produ	COPYING FORM, ATTACH SITE IDENTIFICATION LATER:         ME       LOS ALAMOS NATIONAL LABORATO BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         ONO: NM0890010515         A. Waste       VARIOUS SOLVENTS.         Description       Hazardous Waste Code(s)       F005 F003 F002         P D001 D022       E. Form Colspan="2">Multiple         Description       E. Form Colspan="2">Multiple         Hazardous Waste Code(s)       F005 F003 F002         P D001 D022       E. Form Colspan="2">Multiple         Description       E. Form Colspan="2">Multiple         Was any of this waste managed on-site?       Multiple         ON-SITE PROCESS SYSTEM 1         Management       Quantity treated, disposed, colspan="2">Contentrated, disposed, colspan="2">Contentrated, disposed, colspan="2">Colspan="2">Multiple         A. Was any of this waste shipped off site in 2011 for the X Yels (CONTINUE TO ITEM B)       B. EPA ID No. of facility to which waste was shipped         UTD981552177       UTD981552177       UTD981552177         Concentrated halogenated/ non-halogenated s chemicals or products (Unused product - Including to the Concentrated halogenated/ non-halogenated s chemicals or products (Unused product - Including to the Concentrated halogenated/ non-halogenated s chemicals or products (Unused product - Including to the Concentrated halogenated/ non-halogenated s chemicals or products (Unused product - Including to the	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         INTELISTICATION LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         NOC: NM0890010515         A. Waste       VARIOUS SOLVENTS. Description         Hazardous Waste Code(s) F005 F003 F002         D D01 D022       E. Form Code         11 ment Method code for Source code G25       E. Form Code         Was any of this waste managed on-site?       Value         ON-SITE PROCESS SYSTEM 1         A. Was any of this waste shipped off site in 2011 for treatmer athod code         A. Was any of this waste shipped off site in 2011 for treatmer X Yes (CONTINUE TO ITEM B)         B. EPA ID No. of facility to which waste was shipped       C. C Met         UTD981552177       Image: Concentrated halogenated / non-halogenated solvent r chemicals or products (Unused product - Including U and P	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         REINT ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         NO: NM0890010515         A. Waste       VARIOUS SOLVENTS. Description         Hazardous Waste Code(s)       F005 F003 F002       C. State Haz         D001 D022       C. State Haz         Description       F.Quantity G         Hazardous Waste Code(s)       F005 F003 F002       C. State Haz         D001 D022       C. State Haz         Description       W204       UOM 3         Density       UOM 3       Density         Was any of this waste managed on-site?       On-site N         Method code for Source code G25         ON-SITE PROCESS SYSTEM 1         Management       Quantity treated, disposed, or recycled on-site in 2011       On-site N         A. Was any of this waste shipped off site in 2011 for treatment, disposal, or X Yes (CONTINUE TO ITEM B)       C. Off-site Manage Method code shipp         B. EPA ID No. of facility to which waste was shipped       C. Off-site Manage Method code shipp         UTD981552177       H040       UD40         LID Scientrated halogenated/ non-halogenated solvent mixture FROM: chemicals or products (Unused product - Including U and P listed wastes)	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         R:         ME       LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         D.NO:       NM0890010515         A. Waste       VARIOUS SOLVENTS. Description         Hazardous Waste Code(s)       F005 F003 F002         C. State Hazardous Waste         D001 D022         Description         Hazardous Waste code(s)         P005 F003 F002         C. State Hazardous Waste         D001 D022         D001 D022         Was any of this waste managed on-site?         X         Was any of this waste managed on-site?         X         Management         Quantity treated, disposed, or recycled on-site in 2011         A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X Yes (CONTINUE TO ITEM B)         B. EPA ID No. of facility to which waste was shipped         Method code shipped to         UTD981552177       H040         UTD981552177         H040         Imagement       Concentrated halogenated/ non-halogenated solvent mixture         Concentrated halogenated/ non-halogenated solvent mixture         Concentrated halogenated/ non-halogenated solvent mixture	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL       U.S. ENVIP PROTECTI         ME       LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545       2011 Hazard         DNO:       NM0 89 0010515       Coll         A. Waste       VARIOUS SOLVENTS.       GM FORM         Description       C. State Hazardous Waste Code(s)       F005 F003 F002         A. Waste       VARIOUS SOLVENTS.       C. State Hazardous Waste Code(s)         Bacardous Waste Code (s)       F005 F003 F002       C. State Hazardous Waste Code(s)         Bacardous Waste Code (s)       Form Code       F.Quantity Generated in 2011         Hazardous Waste Code (so for Source code G25       E. Form Code       F.Quantity Generated in 2011         UOM 3       Density       0.00       spec.gra         Was any of this waste managed on-site?       X       No (SKIP TO S         Management       Quantity treated, disposed, or recycled on-site in 2011       On-site Management Method code       Quantity treevelop         A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?       X       Yes (CONTINUE TO ITEM B)       D. Total quantity the Method code shipped to         B. EPA ID No. of facility to which waste was shipped       C.Off-site Management Method code shipped to       D. Total quantity the method code shipped to       D. Total quantity the method chance shipp

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE ID OR ENTER:	ENTIFICATION L/	ABEL			U.S. ENVIE PROTECT	RONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONA	LABORAT	ORY			_ 2011 Hazard	ous Waste Report	
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>			GM FORM	WASTE G AND MAI	ENERATION NAGEMENT		
Sec. 1 A. Waste BUFFER SOLUTION PH 2.0 SPENT REA Description ANALYSIS FOR WATER. INCLUDE KARL AND COULOMAT C) AND SAMPLES OF CO				GENTS F FISHER MMON SC	- FROM KARL FI REAGENTS (C DLVENTS.	SHER COULOMAT A	
B. EPA Hazardous Waste Code(s) D019	D022 F002		C. State Haz	ardous Was	te Code(s)		
F003 D001							
D. Source Code <u>G22</u>	Source Code         E. Form Code         F.C           G22         W204		F.Quantity G	enerated in	2011 <u>0.68</u>	G.Waste minimization code	
Management Method code for Source code G	25		UOM <u>3</u> Density	0.(	<u>)0</u> spec.gra	X	
Sec. 2 Was any of this waste managed on	-site?			X N	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS	SYSTEM 1			ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity tro Method code recycled or	eated, disposed, c n-site in 2011	or	On-site M Meth	lanagement od code	Quantity f	reated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped off X Yes (CONTINUE TO	site in 2011 for tre	eatment	, disposal, or	recycling?			
B. EPA ID No. of facility to which wast	e was shipped	C. Of Meth	ff-site Manage od code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1 <u>UTD981552177</u>			<u>H040</u>			<u>0.68</u>	
Site 2							
Site 3							
Comments Concentrated halogenated laboratory operations)) Waste	/ non-halogenated s Min: No minimizatior	solvent m	iixture FROM:L	_aboratory and	alytical wastes (used c	hemicals from	

OMB#: 2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardo	ous Waste Report
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				AND MAN	NAGEMENT
Sec. 1 A. Waste MULTILAYER (ORGANIC/AQUEOUS) SOLVENTS: ACETONE, Description TOLUENE, BENZENE. THERE ARE FIVE 4-LITER BOTTLE, GALLON POLY DRUM.					'HANOL, IN A 14
B. EPA Hazardous Waste Code(s) F003 F0	02 D028	C. State Haz	zardous Was	te Code(s)	
D022 D001 F005					
D. Source Code	E. Form Coo	de F.Quantity G	Generated in	2011	G.Waste
<u>G22</u>	<u>W203</u>			16.70	
Management Method code for Source code G25		UOM <u>3</u>			<u>×</u>
	. Density	0.0	<u>)0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site	?				
			X N	O (SKIP TO S	EC. 3)
On-site Management Quantity treated Method code recycled on-site	d, disposed, or e in 2011	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO I	in 2011 for trea	atment, disposal, or	recycling?		
B. EPA ID No. of facility to which waste wa	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity shipped in 2011	
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>16.70</u>
Site 2					
Site 3					
Comments Concentrated non-halogenated laboratory operations)) Waste Min: I	(E.G. non-chlorin No minimization	nated) solvent FROM	I:Laboratory ar	nalytical wastes (used	chemicals from

OMB#: 2050-0024 Expires	11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardous Waste Report		
BIKIN	I ATOLL ROAD,	SM-30				
LOS ALA	AMOS, NM 87545			GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM		AGEMENT
Sec. 1 A. Waste THIS SOLID LABORATORY TRASH DERIVED FROM THE SYNTHESIS AND Description PURIFICATION OF ORGANIC AND INORGANIC COMPLEXES.					SIS AND	
B. EPA Hazardous Waste	Code(s) D001 F00	)3 F005	C. State H	lazardous Was	ste Code(s)	
D028 D022						
D. Source Code		E. Form Co	de F.Quantity	Generated in	2011	G.Waste
<u>G22</u>		W002			<u>38.55</u>	minimization code
Management Method code	e for Source code G25		UOM <u>3</u>			<u>X</u>
Density <u>0.00</u> spec.gra				<u>00</u> spec.gra		
Was any of this	waste managed on-site?	)				
Sec. 2				X N	IO(SKIP TO S	EC. 3)
0	N-SITE PROCESS SYST	EM 1		(	ON-SITE PROCESS	SYSTEM 2
On-site Management Method code	Quantity treated recycled on-site	, disposed, o in 2011	r On-site Me	Management	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of th	is waste shipped off site i	n 2011 for tre	atment, disposal,	or recycling?		
X Yes(	CONTINUE TO IT	TEM B)				
B. EPA ID No. of	facility to which waste was	shipped	C. Off-site Mana Method code sh	gement ipped to	D. Total quantity sh	ipped in 2011
Site 1 UTDS	Site 1 UTD981552177		<u>H040</u>	<u>H040</u>		<u>38.55</u>
Site 2						
Site 3						
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						

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardo	ous Waste Report		
	BIKINI ATOLL ROAD, S	<u>5M-30</u>					·
	<u>LOS ALAMOS, NM 87545</u>				GIM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT	
Sec. 1 A. Waste THIS WASTE IS FROM ROUTINE HOUSEKEEPING OPERATION OF FORMER Description PROCESS WASTE.					F FORMER		
B. EPA I	Hazardous Waste Code(s) F005 F00	)3 D022		C. State Haz	ardous Was	ste Code(s)	
D001	_						
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	22	<u>W204</u>				54.43	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	•		•			
Sec. 2					XN	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site M Meth	lanagement od code	t Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage thod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			54.43
Site 2							
Site 3							
Comme	ents Concentrated halogenated/ non- laboratory operations)) Waste Min: N	halogenated s lo minimizatior	l solvent เ า	mixture FROM:I	Laboratory an	alytical wastes (used c	hemicals from

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				]	·
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	IAGEMENT
Sec. 1 A. Waste U/U: FLAMMABLE - 3 (SEE ATTACHED CHEM. LOG) Description							
B. EPA I	Hazardous Waste Code(s) U031 U00	)3 D022	C.	State Haz	ardous Wast	e Code(s)	
D001	U002						
D. Sourc	ce Code	E. Form Co	ode F.	Quantity G	enerated in 2	2011	G.Waste
G	<u>11</u>	W001				8.30	minimization code
Manager	ment Method code for Source code G25		L	JOM 3			<u>X</u>
			. D	ensity	0.0	<u>)0</u> spec.gra	
Soc. 2	Was any of this waste managed on-site?	)					
Sec. 2					X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	FEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	pr	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre	eatment, di	isposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-s Method	ite Manage code shipp	ment bed to	D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>		H	040			8.30
Site 2							
Site 3							
Comme	Site 3						

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		U.S. ENVI PROTECT	RONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL : BIKINI ATOLL ROAD, S	LABORATO SM-30	RY	GM	2011 Hazard	ous Waste Report
EPA ID	D NO: <u>NM0890010515</u>			FORM	AND MAI	NAGEMENT
Sec. 1	A. Waste PHENOL CHLOROF Description	ORM ISOA	MYL ALCOH	OL		
B. EPA I	Hazardous Waste Code(s) D022 D00	)1	C. State I	Hazardous Wa	aste Code(s)	
D. Sourc	ce Code	E. Form Coo	de F.Quantit	y Generated ir	n 2011	G.Waste
G	<u>11</u>	<u>W001</u>			0.22	37
wanage	ment Method code for Source code G25		UOM <u>3</u>			<u>A</u>
			. Density	0.	<u>.00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	<u>}</u>				
Sec. 2				X	No(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-sit M	e Managemer ethod code	nt Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for trea	atment, disposal,	or recycling?		
	X Yes(CONTINUE TO IT	TEM B)				
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Man Method code sl	agement hipped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H040</u>			0.22
Site 2						
Site 3						
Commo	Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (from uct - Including U	any source) FRO and P listed waste	M:Discarding of s) Waste Min:	ff-specification, out-of-da No minimization	ate, and/or unused

OMD#. 2030-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				U.S. ENVIR	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL		2011 Hazardo	ous Waste Report		
BIKINI ATOLL ROAD,	<u>SM-30</u>			]	
LOS ALAMOS, NM 87545		GM	WASTE GE	ENERATION	
EPA ID NO: NM0890010515	FORM		AGEMENT		
Sec. 1 A. Waste METHANOL, DICHLOROETHANE AND WATER MIXTURE Description					
B. EPA Hazardous Waste Code(s) D001 D0	28 F003	C. State Ha	zardous Wast	e Code(s)	
D. Source Code	E. Form Coo	de F.Quantity 0	Generated in 2	2011	G.Waste
G22	W202			2.72	minimization code
Management Method code for Source code G25	<u>W205</u>	UOM 3			<u>X</u>
		Density	0 0		
		Density	0.0	<u>o</u> spec.gra	
Was any of this waste managed on-site	?				
Sec. 2 Was any of this waste managed on-site?					
			X No	O(SKIP TO SI	EC. 3)
ON-SITE PROCESS SYS	TEM 1		X No	O(SKIP TO SI	EC. 3) SYSTEM 2
On-site Management Quantity treater	TEM 1 d, disposed, or	On-site	X No O Management	O(SKIP TO SI N-SITE PROCESS Quantity tr	EC. 3) SYSTEM 2 reated, disposed, or
ON-SITE PROCESS SYS On-site Management Method code Recycled on-site	<b>TEM 1</b> d, disposed, or e in 2011	On-site I Meth	X No O Management nod code	O (SKIP TO SI N-SITE PROCESS Quantity tr recycled o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011
On-site Management Quantity treated Method code recycled on-site	<b>TEM 1</b> d, disposed, or e in 2011	On-site I Meth	X No O Management nod code	O (SKIP TO SI N-SITE PROCESS Quantity tr recycled o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011
ON-SITE PROCESS SYS On-site Management Quantity treater Method code recycled on-site	<b>TEM 1</b> d, disposed, or e in 2011	On-site Meth	X No O Management nod code	D (SKIP TO SI <b>N-SITE PROCESS</b> Quantity tr recycled o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site	TEM 1 d, disposed, or e in 2011 in 2011 for trea	On-site I Meth	X No O Management nod code	O (SKIP TO SI N-SITE PROCESS Quantity tr recycled o	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011
ON-SITE PROCESS SYS         On-site Management       Quantity treater         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT)	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B)	On-site I Meth	X No O Management nod code	D (SKIP TO SI N-SITE PROCESS Quantity tr recycled o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I')         B. EPA ID No. of facility to which waste waste	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) s shipped	On-site I Meth atment, disposal, or C. Off-site Manage	X No O Management nod code	D (SKIP TO SI N-SITE PROCESS Quantity tr recycled o D. Total quantity shi	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011
ON-SITE PROCESS SYS         On-site Management       Quantity treater         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I)         B. EPA ID No. of facility to which waste waste	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) s shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship	X No O Management hod code	D (SKIP TO S N-SITE PROCESS Quantity tr recycled o D. Total quantity shi	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011 Supped in 2011
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I'         B. EPA ID No. of facility to which waste wa         Site 1 <u>ARD069748192</u>	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) is shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity tr recycled o D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>2.72</u>
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I')         B. EPA ID No. of facility to which waste wa         Site 1 <u>ARD069748192</u> Site 2       Site 2	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) s shipped	On-site Meth Meth atment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	X No O Management nod code	D (SKIP TO S) N-SITE PROCESS Quantity tr recycled o D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 Supped in 2011 <u>2.72</u>
ON-SITE PROCESS SYS         On-site Management       Quantity treater         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I'         B. EPA ID No. of facility to which waste wa         Site 1       ARD069748192         Site 2       Site 3	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) is shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	X No O Management hod code	D (SKIP TO S N-SITE PROCESS Quantity tr recycled o D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 pped in 2011 2.72
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I'         B. EPA ID No. of facility to which waste wa         Site 1 <u>ARD069748192</u> Site 2	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) s shipped	On-site Meth Meth atment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	X No O Management hod code	D (SKIP TO S) N-SITE PROCESS Quantity tr recycled o D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or pon-site in 2011 pped in 2011 <u>2.72</u>
ON-SITE PROCESS SYS         On-site Management       Quantity treater         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I'         B. EPA ID No. of facility to which waste wa         Site 1       ARD069748192         Site 2       Site 3         Concentrated non-halogenated	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) s shipped	Atment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	X No Management hod code r recycling? ement ped to	D (SKIP TO S) N-SITE PROCESS Quantity tr recycled o D. Total quantity shi alytical wastes (used o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 pped in 2011 2.72 chemicals from
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I'         B. EPA ID No. of facility to which waste wa         Site 1 <u>ARD069748192</u> Site 2	TEM 1 d, disposed, or e in 2011 in 2011 for trea TEM B) s shipped (E.G. non-chlorin No minimization	Atment, disposal, or C. Off-site Manage Method code ship <u>H040</u> nated) solvent FROM	X No O Management hod code r recycling? ement ped to A:Laboratory an	D (SKIP TO S) N-SITE PROCESS Quantity tr recycled o D. Total quantity shi alytical wastes (used o	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 pped in 2011 <u>2.72</u> chemicals from
ON-SITE PROCESS SYS         On-site Management       Quantity treater         Method code       recycled on-site         Sec. 3         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO I'         B. EPA ID No. of facility to which waste wa         Site 1       ARD069748192         Site 2       Site 3         Comments         Concentrated non-halogenated laboratory operations)) Waste Min: I	TEM 1 d, disposed, or e in 2011 in 2011 for treat TEM B) is shipped (E.G. non-chlorin No minimization	Atment, disposal, or C. Off-site Manage Method code ship <u>H040</u> nated) solvent FROM	X No Management hod code r recycling? ement ped to	D (SKIP TO SI Quantity tr recycled o D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 pped in 2011 2.72 chemicals from

OMB#: 2050-	0024 Expires 11/30/2011					
BEFORE CO OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY
SITE NAME	SITE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>			]	·
	LOS ALAMOS, NM 87545				WASTE G	ENERATION
EPA ID NO: NM0890010515 FORM AND MA					AND MAN	IAGEMENT
Sec. 1 A. V	Sec. 1 A. Waste 1,2 DICHLOROETHANE AND METHANOL SOLUTION FROM HPLC ANALYSIS. Description					
B. EPA Haza	ardous Waste Code(s) F003 D00	)1 D028	C. State Ha	zardous Wast	te Code(s)	
D. Source C	ada	E Form Code	E Quantity G	Senerated in t	2011	G.Waste
	ude .				3 62	minimization code
Managemen	t Method code for Source code G25	<u>W204</u>			<u>3.02</u>	x
]			00101 3			
			. Density	0.0	<u>)0</u> spec.gra	
	/	Į	ł			<u> </u>
Sec. 2	as any of this waste managed on-site?			V M		
		EM 1				
On-site Ma	nagement Quantity treated	disposed or	On-site M	Vanagement	Quantity t	reated, disposed, or
Metho	d code recycled on-site	in 2011	Method code recycled on-site in 2011			on-site in 2011
		- 0044 for the other				
Sec. 3 A.			nent, disposal, or	recycling?		
		EM B)				
		a him and a	C Off-site Manage	mont		
B. 1	EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	pped in 2011
B. I	EPA ID No. of facility to which waste was	shipped I	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	
B. I Site 1	EPA ID No. of facility to which waste was UTD981552177	shipped (	C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity sh	<u>3.62</u>
Site 1 Site 2	EPA ID No. of facility to which waste was UTD981552177	shipped (	C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity sh	<u>3.62</u>
B. 1 Site 1 Site 2 Site 3	EPA ID No. of facility to which waste was <u>UTD981552177</u>	shipped	C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity sh	<u>3.62</u>
B.       Site 1       Site 2       Site 3	EPA ID No. of facility to which waste was UTD981552177	shipped	C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity sh	<u>3.62</u>
B. 1 Site 1 Site 2 Site 3 Comments	EPA ID No. of facility to which waste was UTD981552177 Concentrated halogenated/ non-	halogenated solve	C. Off-site Manage Method code ship <u>H040</u> ent mixture FROM:	Perment ped to	D. Total quantity sh	<u>3.62</u> nemicals from
B. I Site 1 Site 2 Site 3 Comments	EPA ID No. of facility to which waste was UTD981552177 Concentrated halogenated/ non- laboratory operations)) Waste Min: N	halogenated solve	C. Off-site Manage Method code ship H040	Perment ped to	D. Total quantity sh	<u>3.62</u> nemicals from
B. I Site 1 Site 2 Site 3 Comments	EPA ID No. of facility to which waste was UTD981552177 Concentrated halogenated/ non- laboratory operations)) Waste Min: N	halogenated solve o minimization	C. Off-site Manage Method code ship <u>H040</u> ent mixture FROM:	Laboratory ana	D. Total quantity sh	<u>3.62</u> nemicals from

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORAT	<u>ORY</u>			_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM		
	$\frac{\text{LOS ALAMOS, NM 87545}}{\text{NO}}$				FORM		
	<u>NM0890010515</u>						
Sec. 1	A. Waste (100PPM HIGH E. Description WATER, NOT EXP	XPLOSIVI LOSIVE I	ES I IN T	N (10% M HIS FORM	EOH ANI	D ACETONITRI	LE IN
B. EPA I	Hazardous Waste Code(s) D001 D03	30 D036		C. State Haz	ardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	<u>W219</u>				15.25	
Managei	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
1				Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)					
Sec. Z					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site M Methe	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
	A Was any of this waste shipped off site i	n 2011 for tr	ootmor	t disposal or	rooveling?		
Sec. 3	X Yes (CONTINUE TO IT	TEM B)	cauner	it, uisposai, oi	recycling		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			15.25
Site 2							
Site 3							
Commo	ents (100PPM HIGH EXPLOSIVES IN (10 organic liquid (specify in comments) No minimization	% MEOH ANE FROM:Labora	L D ACET Itory and	ONITRILE IN W. alytical wastes (ι	ATER, NOT I	EXPLOSIVE IN THIS F Is from laboratory oper	ORM. Other ations)) Waste Min:

OMB#: 2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	IFICATION LABEL			U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL	LABORATORY			2011 Hazardo	ous Waste Repor
BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545 EPAID NO: <u>NM0890010515</u>	<u>SM-30</u>		GM Form	WASTE G	ENERATION NAGEMENT
Sec. 1 A. Waste UN1993 WASTE F Description	LAMMABLE L	IQUID			
B. EPA Hazardous Waste Code(s) U159 U1	08 U140	C. State Ha	zardous Wast	e Code(s)	
U154 U037 U031 U019 U002 D0	)35 D001				
D. Source Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste
<u>G11</u>			<u>91.17</u>		
Management Method code for Source code G25		UOM <u>3</u>			<u>×</u>
		. Density	0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site	?		X No	D(SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	d, disposed, or e in 2011	On-site Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatme	ent, disposal, or	recycling?		
X Yes(CONTINUE TO I	TEM B)				
B. EPA ID No. of facility to which waste was	s shipped C.	Off-site Manage ethod code ship	ped to	D. Total quantity sh	ipped in 2011
Site 1 UTD981552177		<u>H040</u>			<u>91.17</u>
Site 2					
Site 3					
Comments Lab packs with no acute hazard chemicals or products (Unused products	lous waste (from any uct - Including U and	source) FROM: P listed wastes)	L Discarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION L/	ABEL			U.S. ENVI PROTECT	RONMENTAL ION AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORAT	<u>ORY</u>			2011 Hazard	ous Waste Report
EPA II	<u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u> EPA ID NO: <u>NM0890010515</u>				GM FORM	WASTE G AND MAI	ENERATION NAGEMENT
Sec. 1	A. Waste CLASS 3 FLAMMA Description	BLES					
B. EPA	Hazardous Waste Code(s) D001 D03	35 U002		C. State Haz	zardous Wa	ste Code(s)	
U213	3						
D. Source Code E. Form Code F.Q				F.Quantity G	Generated ir	2011	G.Waste
G	<u>G11</u> <u>W001</u>					100.00	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density 0.00 spec.gra			
Sec 2	Was any of this waste managed on-site	?					
000.2					XI	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	d, disposed, c a in 2011	or	On-site Meth	Managemen nod code	t Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO I	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Dff-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			100.00
Site 2							
Site 3							
Comm	Lab packs with no acute hazard chemicals or products (Unused products)	ous waste (froi uct - Including I	l m any s U and P	ource) FROM:I	Discarding of Waste Min: I	f-specification, out-of-da No minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME <u>los alamos national i</u>	LABORATO	<u>NRY</u>			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
	<u>LOS ALAMOS, NM 87545</u>				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste METHYL ETHYL KI Description	ETONE					
B. EPA I	Hazardous Waste Code(s) D035 D00	)1 U159	C. S	tate Haz	zardous Wast	e Code(s)	
D. Sourc	e Code	E. Form Co	de F.Q	uantity G	enerated in 2	2011	G.Waste
<u>G</u>	<u>G11</u> W001					0.45	minimization code
Manager	ment Method code for Source code G25		UC	M 3			<u>X</u>
			. Der	nsity	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r (	Dn-site N Meth	lanagement od code	Quantity frecycled	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment, disp	oosal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Method co	Manage de ship	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H0</u>	<u> 10</u>			0.45
Site 2							
Site 3							
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from lict - Including U	n any source) J and P listed	FROM:[ wastes)	Discarding off-s Waste Min: No	specification, out-of-da minimization	te, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
	2000 002-	LADIOO	

BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME <u>los alamos national i</u>	LABORATO	RY		2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>		CM		
	<u>LOS ALAMOS, NM 87545</u>			GIVI	WASTE G	ENERATION
	D NO: <u>NM0890010515</u>			FORM		NAGEMENT
Sec. 1	A. Waste CLASS 3 FLAMMAN Description	BLE LIQU	IDS			
B. EPA I	Hazardous Waste Code(s) U220 D00	)1 D035	C. State Haz	zardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Cod	le F.Quantity G	enerated in 2	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W001</u>			16.32	minimization code
Manager	ment Method code for Source code G25		UOM <u>3</u>			X
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?			X No	D(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site Meth	/lanagement od code	Quantity frecycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	itment, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)				
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H040</u>			<u>16.32</u>
Site 2						
Cite 2						
SILE 3						
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from let - Including U	any source) FROM:I and P listed wastes)	Discarding off-s Waste Min: No	pecification, out-of-da minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:	FICATION LA	BEL		U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545	<u>LABORATO</u> SM-30	<u>RY</u>	GM	2011 Hazardo	ous Waste Report
EPA ID	NO: <b>NM0890010515</b>			FORM		NAGEMENT
Sec. 1	A. Waste LOCKTITE Description					
B. EPA I	Hazardous Waste Code(s) D001 D03	35	C. State I	Hazardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Coo	de F.Quantit	y Generated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W001</u>			20.53	minimization code
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>
			. Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,		X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1		C	ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-sit M	e Management ethod code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, disposal,	or recycling?		
	X Yes(CONTINUE TO II	EM B)				
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Mana Method code sl	agement hipped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H040</u>			20.53
Site 2						
Site 3						
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from lict - Including U	any source) FRO and P listed waste	M:Discarding off- es) Waste Min: N	specification, out-of-da o minimization	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTI	E COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAE	BEL		U.S. ENVIE PROTECTI	RONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL I	LABORATO	RY		2011 Hazardo	ous Waste Report	
EPA II	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 DNO: <u>NM0890010515</u>	<u>SM-30</u>		GM Form	WASTE G AND MAN	ENERATION NAGEMENT	
Sec. 1	A. Waste SPENT THINNERS Description						
B. EPA	Hazardous Waste Code(s) D001 D03	36 F005	C. State Haz	zardous Wast	e Code(s)		
D. Sour	ce Code	E. Form Cod	le F.Quantity G	Generated in 2	2011	G.Waste	
<u>G</u> Manage	106 ment Method code for Source code G25	<u>W211</u>			<u>419.58</u>	x	
lunago			Density	0.0	<u>)0</u> spec.gra	<u>*</u>	
Sec. 2	Was any of this waste managed on-site?	)		X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1		ON-SITE PROCESS SYSTEM 2			
On-site M	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	itment, disposal, or	recycling?			
	X Yes (CONTINUE TO IT	TEM B)	0.0%				
	B. EPA ID No. of facility to which waste was	shipped	Method code ship	ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>			419.58	
Site 2							
Site 3							
Comm	ents Paint thinner or petroleum distilla minimization	ates FROM:Pair	nting and coating (ma	Inufacturing, bu	ilding, or maintenance	e) Waste Min: No	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national i</u>	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI		WASTE G	ENERATION
EPA II	D NO: <u>NM0890010515</u>				FOR	M	AND MAN	AGEMENT
Sec. 1	A. Waste WASTE HALOGENA' Description RESULTING FROM COMPOUNDS. ADD	TED AND THE SYN ITIONAL	NON ITHE INF	I-HALOGEN SIS OF O ORMATION	ATED RGANO ON A	SOI ME' TTZ	LVENTS AND TALLIC AND ACHED SHEET	BY-PRODUCTS ORGANIC '.
B. EPA	Hazardous Waste Code(s) F004 D00	)1 F002		C. State Haz	ardous V	laste	e Code(s)	
F003 F005								
D. Sour	ce Code	E. Form Co	de	F.Quantity G	enerated	in 2	2011	G.Waste
G	22	W204			28.57		28.57	minimization code
Manage	ment Method code for Source code G25			UOM 3				<u>X</u>
				. Density	0	).0	<u>0</u> spec.gra	
	Was any of this waste managed on-site?	)						
Sec. 2					Х	No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	i, disposed, oi in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling	?		
	X Yes (CONTINUE TO IT	TEM B)		, , , ,	, 0			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manager thod code shipp	ment oed to		D. Total quantity sh	ipped in 2011
Site 1	FLD980711071			<u>H061</u>				28.57
Site 2								
Site 3								
Comments Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization								

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY		
SITE NA	ME LOS ALAMOS NATIONAL BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545	<u>LABORATC</u> <u>SM-30</u>	DRY		GM FORM	2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION NAGEMENT
Sec. 1	A. Waste PROCESS WASTE Description	GENERATE	D FRC	OM HALC	GENATED	ORGANICS R	ESEARCH.
B. EPA	Hazardous Waste Code(s) F005 F00	02 F003	C	C. State Haz	zardous Wast	e Code(s)	
D001							
D. Sourc	ce Code	E. Form Co	de F	Quantity G	enerated in 2	2011	G.Waste
<u>G</u>	22	<u>W219</u>				15.42	
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
1			. [	Density	0.0	<u>00</u> spec.gra	
Sac. 2	Was any of this waste managed on-site	?					- -
Sec. Z					X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	d, disposed, or a in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	atment, o	disposal, or	recycling?		
	X Yes(CONTINUE TO I	FEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Off- Method	site Manage d code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		H	<u>1040</u>			15.42
Site 2							
Site 3							
Comm	I ents PROCESS WASTE GENERATED FI FROM:Laboratory analytical wastes	ROM HALOGEI (used chemicals	NATED O	RGANICS R oratory opera	ESEARCH. ations)) Waste	Other organic liquid Min: No minimization	(specify in comments)

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVI PROTECT	RONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATO:	RY			_ 2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM	MASTE C	
EPA ID	NO: NM0890010515				FORM	AND MAI	NAGEMENT
	<u>MI0090010919</u>						
Sec. 1	A. Waste ORGANIC/AQUEOUS Description N-METHYLRROLIDO TRIISOPROPYLSI	S WASTE ONE, MET LANE, N,I	WITH HYLE N-DI	I WATER, INE CHLO METHYLF	DIETH RIDE, I ORMAMII	YL ETHER, PIPERIDINE, DE,	
B. EPA I	N <u>N-DIISOPROPY</u> Hazardous Waste Code(s) TRIFLUOROACETI(	<del>lethylam</del> C ACID.	IINE,	C. State Haz	ardous Wa	L-THREITOL, ste Code(s)	AND
D001 F003 F002							
D. Sourc	ce Code	E. Form Code F.Qu		F.Quantity G	enerated in	2011	G.Waste minimization code
Manager	ment Method code for Source code G25						х
<u>G</u>	<u>G22</u> <u>W203</u>			Density		45.04	_
			<u>3</u>			<u></u>	ļ
Sec. 2	Was any of this waste managed on-site?	)			0.	<u>uu</u> spec.gra	
	ON-SITE PROCESS SYST	TEM 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated	, disposed, or in 2011	On-site Managèment Concerning Treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment,	, disposal, or	recycling?		
	B FPA ID No. of facility to which waste was	shipped	C. Off	f-site Manage	ment	D. Total quantity sh	inned in 2011
	X Yes(CONTINUE TO II	TEM B)	Metho	od code shipp	ped to	D. Total quantity sh	
Site 1	UTD981552177			<u>H040</u>			45.04
Site 2							
Site 3							
Comme	ents Concentrated non-halogenated	E.G. non-chlorin	inated) s	solvent FROM	Laboratory a	nalytical wastes (used	chemicals from
	laboratory operations)) Waste Min: N	lo minimization					

OMB#: 2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national i</u>	LABORATO	<u>ORY</u>			_ 2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u> 5M - 30</u>			GM			
	LOS ALAMOS, NM 87545					WASTE G	ENERATION	
EPA IC 	NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste ORGANIC REACTIO	ON						
B. EPA Hazardous Waste Code(s) D001 F002 F003				C. State Haz	ardous Wa	ste Code(s)		
D. Sourc	D. Source Code E. Form Code		F.Quantity G	enerated in	2011	G.Waste		
G	<u>22</u>	<u>W204</u>			<u>6.35</u>			
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>	
				Density	0.	<u>00</u> spec.gra		
	Was any of this waste managed on-site?						·	
Sec. 2					ХІ	NO(SKIP TO S	EC. 3)	
I	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	, disposed, o	or	On-site Management Quantity treated, disposed, or				
		11 2011		Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			6.35	
Site 2								
Site 3								
Comments Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization						hemicals from		

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CM			
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA II	<sup>D NO:</sup> <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste WASTE LARGELY Description PHOSPHATE SALT POLYLACTIDE-CO	CONSISTS S, METHY -GLYCOLI	5 OF ZLEN IDE.	ETHANOL E CHLORI	AND WA	ATER AND ALS POLYMERS SU	30 CONTAINS JCH AS	
B. EPA	Hazardous Waste Code(s) F002 D00	)1 F005		C. State Haz	ardous Was	ste Code(s)		
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	22	W219			4.53		minimization code	
Manage	ment Method code for Source code G25			UOM <u>3</u>			X	
				Density	0.	<u>00</u> spec.gra		
	Was any of this waste managed on-site?	)						
Sec. 2	, ,				X N	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	EM 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	i, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site in X Yes (CONTINUE TO IT	n 2011 for tre [EM B)	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>4.53</u>	
Site 2								
Site 3								
Comm	Comments         PREPARATION OF POLYMER MICROSPHERES AND 2-NITRODIPHENYLAMINE (2-NDPA)         Other organic liquid (specify in comments)           FROM:         FROM:         Laboratory analytical wastes (used chemicals from laboratory operations))         Waste Min: No minimization							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD, S	<u>LABORATO</u> SM-30	RY		2011 Hazardous Waste Report			
	LOS ALAMOS, NM 87545	<u> </u>			GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		AGEMENT	
Sec. 1	A. Waste AMIDE BOND-FORM Description PIPERIDINE DICM	MING REA HLOROMET	CTIONS HANE	, SIM	IILAR TO	) PEPTIDE SY	NTHESIS.	
B. EPA Hazardous Waste Code(s) D001 F002			C. S	tate Haz	zardous Was	te Code(s)		
		1						
D. Sourc	ce Code	E. Form Co	de F.Qu	antity G	Senerated in	2011	G.Waste minimization code	
<u>G</u>   Manager	22 ment Method code for Source code G25	<u>W203</u>		Ma		13.60	x	
			Dor	1VI <u>3</u>	0			
			Dei	ISILY	0.0	<u>JU</u> spec.gra		
Sec 2	Was any of this waste managed on-site?	•						
000.2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			C	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	. (	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea EM B)	atment, disp	osal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Method co	Manage de ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H04</u>	<u>10</u>			13.60	
Site 2								
Site 3								
Comme	Comments       Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization							

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LAB	EL	PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	<u>Y</u>	2011 Hazardous Waste Report			
BIKINI ATOLL ROAD,	<u>SM-30</u>		GM			
LOS ALAMOS, NM 87545			EODM	WASTE GI	ENERATION	
<b>NM0890010515</b>			FORM		IAGEMENI	
Sec. 1       A. Waste       TOLUENE AND AC         Description       WAVE GENERATOR         CONTAINS       (1%)         B. EPA Hazardous Waste Code(s)       D001 F00	ETONE USE FORMULAT TRACE PEN <del>S NOT CON</del> D3 F005	D TO CLEAN ION. THE TAERYTHRIT ISIDERED RE C. State Ha	I EQUIPM TOLUENE COL TETR CACTIVE Zardous Wast	ENT FROM XT AND ACETON ANITRATE (P (D003) UNDE e Code(s)	X 8003 LINE E MIXTURE ETN) IN <del>R RCRA</del>	
D. Source Code	F.Quantity G	Generated in 2	2011	G.Waste		
					minimization code	
Managenteent Method code for Source code G25	<u>W205</u>	UOM		6.35	X	
		. Density <u>3</u>				
			0.0	<u>0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?	?					
ON-SITE PROCESS SYS	ГЕМ 1		X M	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated Method code recycled on-site	l, disposed, or in 2011	On-site M Meth	On-site Management Quantity treated, dispose Method code recycled on-site in 201			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treat	ment, disposal, or	recycling?			
B. EPA ID No. of facility to which waste was	s <del>shipped</del>	C. Off-site Manage Method code ship	ement ped to	D. Total quantity shipped in 2011		
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>6.35</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						

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	E COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL	LABORATC	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>					-	
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA II	D NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste CARBON NANOTUB Description	ES, SOLV	JENTS	S, RESIN	I, ETC.			
B. EPA	Hazardous Waste Code(s) F003 D00	01 F005		C. State Haz	ardous Wa	ste Code(s)		
		1						
D. Source	. Source Code E. Form Code F.Quantity			F.Quantity G	enerated in	2011	G.Waste minimization code	
G	<u>09</u>	<u>W219</u>				0.45		
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>	
				Density	0.	<u>00</u> spec.gra		
Sec 2	Was any of this waste managed on-site?	2						
000.2					X 1	NO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, oi in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatment	t, disposal, or	recycling?			
	X Yes(CONTINUE TO IT	TEM B)			, ,			
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manage nod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.45	
Site 2								
Site 3								
Comm	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							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				]		
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste CELLULOSE/COTTO Description ETHANOL, ACETO	ON PRODU NE, MEK	UCTS , IS	CONTAMI OPROPYL	NATED W ALCOHOI	/MINIMAL AM AND TOLUEN	IOUNTS OF IE.	
B. EPA I	Hazardous Waste Code(s) D001 F00	)3 F005		C. State Haz	ardous Was	te Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
G	22	<u>W002</u>			14.96		minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
	Was any of this waste managed on-site?	)						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1			C	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre TEM B)	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>ARD069748192</u>			<u>H040</u>			1.36	
Site 2	UTD981552177			<u>H040</u>			13.60	
Site 3								
Comme	Site 3       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							

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LABE	EL	PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	Y		2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD, S	SM-30			]		
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID NO: NM0890010515			FORM		AGEMENT	
Sec. 1 A. Waste WASTE ORGANIC S Description UNIT AND RESEAU RESEARCH.	SOLVENTS RCH AND D	FROM THE G EVELOPMENT	EL PERM OPERAT	EATION CHRC IONS FROM P	MATOGRAPHY OLYMERS	
B. EPA Hazardous Waste Code(s) D001 F00	)3 F005	C. State Haz	zardous Wast	e Code(s)		
D. Source Code	E Form Code	E Quantity G	Generated in 2	2011	G.Waste	
			120.96	minimization code		
Management Method code for Source code G25	<u>WZU3</u>		<u></u> X			
		Density			_	
		Density	0.0	<u>00</u> spec.gra		
Was any of this waste managed on-site?	)	•				
Sec. 2			X No	O (SKIP TO S		
ON-SITE PROCESS SYST	FM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated	, disposed, or	On-site N	/anagement	Quantity t	reated, disposed, or	
Method code recycled on-site	in 2011	Meth	Method code recycled on-site in 2011			
Sec 3 A. Was any of this waste shipped off site i	n 2011 for treatr	ment, disposal, or	recyclina?			
X Yes (CONTINUE TO IT	'ЕМ В)	,	g.			
B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage	ment	D. Total quantity shi	ipped in 2011	
		Method code ship	ped to			
					120.96	
UTD981552177		H040			120.70	
<u>UTD981552177</u>		<u>H040</u>			<u>120:90</u>	
Site 1         UTD981552177           Site 2		<u>H040</u>			120.30	
Site 1         UTD981552177           Site 2         Site 3		<u>H040</u>				
Site 1 UTD981552177 Site 2 Site 3 Concentrated non-balageneted		H040		alvical wastes (used	chemicals from	
Site 1     UTD981552177       Site 2     Site 3       Comments     Concentrated non-halogenated laboratory operations)) Waste Min: N	(E.G. non-chlorina	H040 ited) solvent FROM	I:Laboratory an	alytical wastes (used o	chemicals from	
Site 1     UTD981552177       Site 2     Site 3       Comments     Concentrated non-halogenated laboratory operations)) Waste Min: N	(E.G. non-chlorina lo minimization	H040	I:Laboratory an	alytical wastes (used o	chemicals from	
Site 1 UTD981552177 Site 2 Site 3 Comments Concentrated non-halogenated laboratory operations)) Waste Min: N	(E.G. non-chlorina lo minimization	H040 ted) solvent FROM	I:Laboratory an	alytical wastes (used o	chemicals from	

OMB#: 2050-0024 Expires 11/30/2011									
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>							
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION		
EPA IL	NO: <u>NM0890010515</u>				FURI		NAGEMENT		
Sec. 1 A. Waste METHANOL, ETHANOL, ACETIC ACID Description									
B. EPA I	Hazardous Waste Code(s) D001 F00	05 F003		C. State Haz	zardous Wa	aste Code(s)			
D. Sourc	ce Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste					
<u>G</u>	22	<u>W219</u>				11.34	minimization code		
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>		
				Density	0 .	<u>.00</u> spec.gra			
	Was any of this waste managed on-site?	?		•					
Sec. 2					Х	No(SKIP TO S	SEC. 3)		
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated, disposed, o Method code recycled on-site in 2011			or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			treated, disposed, or on-site in 2011		
Sec. 3	A Was any of this waste shinned off site	in 2011 for tre	eatmer	t disposal or	recycling?				
Jec. J	X Yes (CONTINUE TO IT	ГЕМ В)	outinoi	n, alopooul, ol	rooyoning.				
	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>				11.34		
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))									

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVI PROTECT	ION AGENCY	
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLI, ROAD SM-30						2011 Hazard	ous Waste Report	
	LOS ALAMOS, NM 87545	<u></u>			GM	WASTE G	ENERATION	
EPA II	NO: <b>NM0890010515</b>				FORM	AND MAI	NAGEMENT	
Sec. 1 A. Waste CELLULOSIC MATERIAL (SUCH AS COTTON OR PAPER RAGS) WITH Description ETHANOL ANHYDROUS ALCOHOL								
B. EPA Hazardous Waste Code(s) D001 F003				C. State Hazardous Waste Code(s)				
D. Sourc	ce Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste				
<u>G</u>	07	<u>W002</u>		<u>11.34</u> minimization co				
Manage	ment Method code for Source code G25			UOM <u>3</u>			X	
				Density	0	<u>.00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)						
Jec. 2					X	NO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			r	Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X Yes (CONTINUE TO ITEM B)								
	B. EPA ID No. of facility to which waste was shipped		C. Of Meth	Off-site Management ethod code shipped to		D. Total quantity shipped in 2011		
Site 1	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								

OMB#: 2	2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardous Waste Report				
	BIKINI ATOLL ROAD,	<u>SM-30</u>					-		
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION		
EPA II	NO: <u>NM0890010515</u>				FORM		IAGEMENT		
Sec. 1 A. Waste ETHANOL, ISOPROPYL ALCOHOL, METHANOL Description									
B. EPA	Hazardous Waste Code(s) D001 F00	)3	(	C. State Haz	ardous Wast	e Code(s)			
D. Sourc	ce Code	E. Form Co	de F	F.Quantity Generated in 2011 G.Waste					
G	09	W119				4.08	minimization code		
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>		
			. 1	Density	0.0	<u>0</u> spec.gra			
<b>Sec. 2</b>	Was any of this waste managed on-site?	)							
Sec. 2					X No	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011		
	A Was any of this wasts chinned off sits i	n 2011 for tra	otmont	dianagal ar	ro oveling?				
Sec. 3	X Yes (CONTINUE TO IT	TEM B)	atment, (	disposal, or	recycling?				
	B. EPA ID No. of facility to which waste was shipped		C. Off- Metho	. Off-site Management lethod code shipped to		D. Total quantity shipped in 2011			
Site 1	<u>UTD981552177</u>		Ī	<u>H040</u>			<u>4.08</u>		
Site 2									
Site 3									
Comments         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									

OMB#: 2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL			_ 2011 Hazardo	ous Waste Report				
BIKINI ATOLL ROAD,	<u>SM-30</u>			CM				
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION		
EPAID NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT		
Sec. 1 A. Waste WASTE ACETONE USED FOR CLEANING GLASSWARE.								
B. EPA Hazardous Waste Code(s) D001 F0	03		C. State Haz	zardous Was	te Code(s)			
D. Source Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste					
<u>G09</u>	<u>W203</u>				10.00	minimization code		
Management Method code for Source code G25			UOM <u>3</u>			<u>X</u>		
			Density	0.0	<u>00</u> spec.gra			
Sec. 2 Was any of this waste managed on-site	?							
				X N	O(SKIP TO S	EC. 3)		
On site Management	TEM 1	)r	On site M	( Aanagomont	ON-SITE PROCESS	SYSTEM 2		
Method code recycled on-site	e in 2011		Method code recycled on-site in 2011			on-site in 2011		
Sec 3 A. Was any of this waste shipped off site	in 2011 for tre	eatmen	t. disposal. or	recvclina?				
X Yes(CONTINUE TO I	TEM B)		, , , ,	, ,				
B. EPA ID No. of facility to which waste wa	s shipped	C. 0	C. Off-site Management		D. Total quantity shipped in 2011			
		Meth	hod code ship	ped to				
Site 1 UTD981552177	<u>UTD981552177</u>		<u>H040</u>			10.00		
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								

OMB#: 2050-0024 Expires 11/30/2011									
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>							
	LOS ALAMOS, NM 87545				GIVI		WASTE G	ENERATION	
EPA IC	NO: <b>NM0890010515</b>				FOR	VI		NAGEMENT	
Sec. 1 A. Waste METHANOL AND WATER IN AN50/50 MIXTURE. Description									
B. EPA I	Hazardous Waste Code(s) F003 D00	01		C. State Haz	ardous W	Vast	e Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste					
<u>G</u>	22	<u>W107</u>					3.62	minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u> <u>X</u>					
				Density <u>0.00</u> spec.gra					
	Wee any of this wests managed on site	) >						ļ]	
Sec. 2	was any or this waste managed on-site:	f			X	No	D(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1				0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			or	Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling	?			
	X Yes(CONTINUE TO IT	FEM B)	1						
	B. EPA ID No. of facility to which waste was shipped		C. Off-site Management Method code shipped to		ment bed to	D. Total quantity shipped in 2011		ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>					3.62	
Site 2	2								
Site 3									
Comments Aqueous waste containing cyanides (generally Caustic) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization									

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:	PROTECTION AGENCY						
SITE NA	ME <u>los alamos national i</u>	<u></u>		_ 2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD, S	<u>SM-30</u>		GM				
	LOS ALAMOS, NM 87545				WASTE G	ENERATION		
EPA IL 	NO: <u>NM0890010515</u>			FURIVI		NAGEMENT		
Sec. 1 A. Waste ACETONE IS USED TO DRY MASS SPECTROMETER SOURCE PARTS AFTER Description FINAL CLEANING.								
B. EPA I	Hazardous Waste Code(s) F003 D00	)1	C. State Haz	zardous Wast	te Code(s)			
D. Sourc	ce Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste		
<u>G</u>	22	<u>W203</u>			711.20	minimization code		
Manage	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>		
			Density	Density 0.00 spec.gra				
Sec. 2	Was any of this waste managed on-site?							
				X N	O(SKIP TO S	EC. 3)		
On-site	Management Quantity treated	disposed or	On-site M	U Management	Quantity t	reated disposed or		
Me	ethod code recycled on-site	in 2011	Meth	Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treatm	ent, disposal, or	recycling?				
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was shipped		C. Off-site Manage lethod code ship	ement ped to	D. Total quantity shipped in 2011			
Site 1	<u>ARD069748192</u>		<u>H040</u>			<u>584.69</u>		
Site 2	<u>FLD980711071</u>		<u>H061</u>		29.02			
Site 3	<u>FLD980711071</u>		<u>H111</u>	1		22.68		
Site 4	<u>TXD055141378</u>		<u>H040</u>	5.5		5.50		
Site 5	<u>UTD981552177</u>		<u>H040</u>			62.31		
Commo	ents Concentrated non-halogenated ( laboratory operations)) Waste Min: N	E.G. non-chlorinate o minimization	ed) solvent FROM	1:Laboratory an	nalytical wastes (used	chemicals from		
OMB#: 2	050-0024 Expires 11/30/2011							
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATC	<u>DRY</u>		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM			
	LOS ALAMOS, NM 87545				FOR	М	WASTE G	ENERATION
	<u>NM0890010515</u>					VI		IAGEMENI
Sec. 1	A. Waste AMINE DETERMIN. Description FOLLOWING WAST ACETONE, GLACI.	ATION OF E: EPON AL ACETI	7 CU 828 IC A	RING AGE CURING CID, AND	NTS R AGENT 0.1N	ESI ' Pi	ULTING IN T VERSAMID 12 ERCHLORIC A	HE 5 RESIN, CID.
B. EPA	Hazardous Waste Code(s) D001 F00	03		C. State Haz	ardous W	/aste	e Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated	in 2	2011	G.Waste
<u>G</u>	<u>G22</u> <u>W219</u>			7.25				
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density	0	.0	<u>0</u> spec.gra	
00	Was any of this waste managed on-site?	?						
Sec. 2					X	No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				0	N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed recycled on-site in 2011				reated, disposed, or
				Weth			10090100	
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	atmer	nt, disposal, or	recycling	?		
	X Yes(CONTINUE TO I	TEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to		D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				7.25
Site 2								
Site 3								
Comm	COMBINE WITH ACETIC ACID AND	ACETONE. T	HE RE		URE IS TI	TRA	TED WITH 0.1N PER	G AGENT THAT WILL CHLORIC ACID TO

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				U.S. ENVIR PROTECTI	ONMENTAL
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>				GM		
	LOS ALAMOS, NM 87545				,		WASTE GI	ENERATION
	<u>NM0890010515</u>							
Sec. 1	A. Waste SPENT SOLVENT Description CONTAINERS. (L.	(ACETONE AB PACK)	E), 1 )	WATER, A	ANI	) SOIL	IN 1 LITE	R PLASTIC
B. EPA Hazardous Waste Code(s) F003 D001				C. State Haz	zaro	dous Waste	e Code(s)	
D. Sour	D. Source Code E. Form Code F.Qu				Gen	erated in 2	011	G.Waste
G	<u>2</u> W001			<u>37.62</u> minimization c				
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density		0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)						
Sec. 2						X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1				0	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmen	t, disposal, or	r rec	cycling?		
	X Yes (CONTINUE TO IT	EMB)	<u> </u>	off-site Manage	2000	nt		
	B. EPA ID No. of facility to which waste was	snippea	Meth	hod code shipp	ped	to	D. Total quantity shi	pped in 2011
Site 1	<u>FLD980711071</u>			<u>H061</u>				37.62
Site 2								
Site 3								
Comm	Comments         Lab packs with no acute hazardous waste (from any source)         FROM:Laboratory analytical wastes (used chemicals from laboratory operations))							

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	IFICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORAT	ORY			2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>				]	·	
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID NO: NM0890010515				FORM	AND MAN	IAGEMENT	
Sec. 1 A. Waste SPENT THINNERS Description	USED FO	OR C	LEANING	PAINTIN	G EQUIPMENT		
B. EPA Hazardous Waste Code(s) F005 D0	01		C. State Haz	ardous Wast	te Code(s)		
D. Source Code	E Form Co	ode	F Quantity G	enerated in	2011	G.Waste	
					181 44	minimization code	
Management Method code for Source code G25	e code G25				<u> 101.11</u>	х	
			00M <u>3</u>				
			Density	0.0	<u>)0</u> spec.gra		
Mag any of this waste managed on site							
Sec. 2	<i>!</i>			X N	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated	d, disposed, c	or	On-site Management Quantity treated, disposed, or				
Method code recycled on-site	e in 2011		Method code recycled on-site in 201				
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatmen	nt. disposal. or	recvclina?			
X Yes (CONTINUE TO I	TEM B)		,,,				
B. EPA ID No. of facility to which waste wa	s shipped	C. 0	Off-site Manage	ment	D Total quantity sh	inned in 2011	
		Met	hod code shipp	bed to			
Site 1 UTD981552177			H040			181.44	
Site 3							
Comments Daint thinner or netroloum distill		in fluch			to to cloop or proporo	parta ar accomplica for	
further processing - i.e. painting or as	ssembly) Wast	ip, iiusn te Min: N	No minimization	(using solven	is to clean or prepare	parts of assemblies for	

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>					·	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	<sup>NO:</sup> NM0890010515				FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste AQUEOUS SOLUTI Description	ON OF PY	YRID	INE, ETH	IANOL, S	SILANES, AND	SOAP	
B. EPA	B. EPA Hazardous Waste Code(s) F005 D001 C. Sta					te Code(s)		
	ce Code	E Form Co	nde	E Quantity G	enerated in	2011	G.Waste	
D. Sourc	2.2		Juc			5 44	minimization code	
Manager	ment Method code for Source code G25	<u>W203</u>				<u><u> </u></u>	x	
				001vi <u>3</u>				
				Density	0.0	<u>)0</u> spec.gra		
	Was any of this waste managed on site	·					·	
Sec. 2	was any or this waste managed on-site	f			X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			C	ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o vin 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
		2011						
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmen	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO I	CEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			5.44	
Site 2								
Site 3								
Comme	Comments       Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization							

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	ORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD, S	<u>LABORATO</u> SM-30	<u>RY</u>			2011 Hazard	ous Waste Report	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA II	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT	
Sec. 1	A. Waste UN1993 WASTE FI Description	LAMMABLE	LI	QUID				
B. EPA	Hazardous Waste Code(s) U088 U10	)8 U117		C. State Haz	ardous Was	te Code(s)		
P005	5 D001 U056 U019 P022 P1	01 U003						
D. Sourc	. Source Code E. Form Cod		de	F.Quantity G	enerated in	2011	G.Waste	
G	<u>11</u>	<u>W004</u>				102.06		
Ivianage	Management Method code for Source code G25			UOM <u>3</u>			<u>×</u>	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	,			X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011		On-site Management Quantity treated, disposed, Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code ship	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			102.06	
Site 2								
Site 3								
Comm	Lab packs containing acute haza chemicals or products (Unused produ	ardous waste (fi ict - Including U	rom ar I and F	ny source) FRO Plisted wastes)	I M:Discarding o Waste Min: No	off-specification, out-or o minimization	f-date, and/or unused	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLI ROAD, S	LABORATO	DRY			2011 Hazard	ous Waste Report	
	LOS ALAMOS, NM 87545	<u></u>			GM	WASTE G	ENERATION	
EPA II	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT	
Sec. 1	A. Waste UN1131 WASTE C. Description	ARBONDIS	SULFI	IDE 3(6.	1) PG	I		
B. EPA Hazardous Waste Code(s) P022 D001				C. State Haz	ardous W	aste Code(s)		
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated	in 2011	G.Waste minimization code	
<u>G</u> Manager	11 ment Method code for Source code C25	<u>W004</u>				v		
Management Method code for Source code G25				UOM <u>3</u>			<u>A</u>	
			·	Density	0	<u>.00</u> spec.gra		
Sac. 2	Was any of this waste managed on-site?	)						
Sec. 2					Х	No(SKIP TO S	SEC. 3)	
	ON-SITE PROCESS SYST	TEM 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> 'EM B)	eatment	, disposal, or	recycling?	,		
	B. EPA ID No. of facility to which waste was	shipped	C. Of Meth	ff-site Manage od code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.63</u>	
Site 2								
Site 3								
Commo	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							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>					·	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: NM0890010515				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste UN1320 WASTE D Description	INITRO 1	PHEN	OL WETTE	D 4.1(6	5.1) PG I		
B. EPA I	. EPA Hazardous Waste Code(s) D001 P048 C. St				zardous Was	ste Code(s)		
	re Code	E Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
C. Court	1 1	11004	540			0.27	minimization code	
Manager	nent Method code for Source code G25	<u>W004</u>				<u></u>	X	
				001v1 <u>3</u>				
				Density	0.	<u>00</u> spec.gra		
	Was any of this waste managed on site	·		1			·	
Sec. 2	was any or this waste managed on-site	f			X N	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed, or				
IVIE		2011		weur		Tecycled		
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	CEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.27	
Site 2								
0.11								
Site 3								
Comme	Ents Lab packs containing acute haz	ardous waste (	from ar	ny source) FRO	M:Discarding	off-specification, out-of	-date, and/or unused	
	chemicals or products (Unused produ	uct - Including	J and F	listed wastes)	Waste Min: N	lo minimization		

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						-
	LOS ALAMOS, NM 87545					ועוכ	WASTE GI	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FC	ORM	AND MAN	IAGEMENT
Sec. 1	A. Waste UN2477 WASTE M Description ISOCYANATE 100	ETHYL IS GR)	SOTH	IOCYANAT	Έ,	6.1(3	3) PG 1 ZON	E B (METHYL
B. EPA Hazardous Waste Code(s) P064 D001				C. State Haz	zardou	us Waste	e Code(s)	
D. Sourc	Source Code E. Form Code			F.Quantity G	Genera	ated in 2	011	G.Waste
G	<u>11</u>	W004			1.81			minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density		0.0	<u>0</u> spec.gra	
0	Was any of this waste managed on-site?	2						
Sec. 2	-					X Nc	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treatec	l, disposed, o in 2011	pr	On-site Management Quantity treated, disposed, o Method code recycled on-site in 2011				reated, disposed, or n-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recyc	cling?		
	X Yes(CONTINUE TO I	TEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ement ped to		D. Total quantity shi	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				1.81
Site 2								
Site 3								
Comme	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							

OMB#: 2050-0	024 Expires 11/30/2011							
BEFORE COP OR ENTER:	PYING FORM, ATTACH SITE IDENTIF	FICATION LA	ABEL			PROTECTI	ON AGENCY	
SITE NAME	LOS ALAMOS NATIONAL I	LABORATO	DRY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u> 5M-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO	<u>NM0890010515</u>				FORM		AGEMENT	
Sec. 1 A. W	/aste UN1993 WASTE FI Description	LAMMABLE	E LI	QUID, N.	0.S., 3	, PGII		
B. EPA Hazardous Waste Code(s) U056 U154 U002				C. State Haz	zardous Wast	e Code(s)		
D001 U	162 U239 U220							
D. Source Co	Source Code E. Form Code			F.Quantity G	Senerated in 2	2011	G.Waste	
<u>G11</u>		<u>W001</u>			<u>101.60</u> minimization of			
Management	Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
Density <u>0.00</u> spec.gra								
Sec 2 Wa	as any of this waste managed on-site?							
					X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Man Method	agement Quantity treated code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. W	/as any of this waste shipped off site in X Yes (CONTINUE TO IT	n <b>2011 for tre</b> 'EM B)	eatmen	ıt, disposal, or	recycling?			
B. E	PA ID No. of facility to which waste was	shipped	C. O Metl	)ff-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>101.60</u>	
Site 2								
Site 3								
Comments	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							

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH S OR ENTER:	ORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME <u>LOS ALAMOS NAT</u> BIKINI ATOLL LOS ALAMOS, NM	<u>'IONAL LAE</u> ROAD, SM- <u>187545</u>	<u>30RATORY</u> - <u>30</u>	Y	GM	2011 Hazardo	ous Waste Report ENERATION		
EPA ID NO: <b><u>NM0890010</u></b>	<u>515</u>			FORM	AND MAN	AGEMENT		
Sec. 1 A. Waste ACETONE Description								
B. EPA Hazardous Waste Code(s)	D001 U002		C. State Haz	ardous Wast	e Code(s)			
D. Source Code	D. Source Code E. Form Code		F.Quantity G	enerated in 2	2011	G.Waste		
<u>G11</u>	W	001			<u>3.94</u>	minimization code		
Management Method code for Source of	code G25		UOM <u>3</u>			X		
			Density	0.0	<u>0</u> spec.gra			
Sec. 2 Was any of this waste mana	ged on-site?			57 DT.				
	CESS SVSTEM	1			N-SITE PPOCESS	EC. 3)		
On-site Management Qua Method code recy	intity treated, dis rcled on-site in	posed, or 2011	On-site M Meth	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste ship X Yes (CONTINU	ped off site in 20 E TO ITEM	11 for treatn	nent, disposal, or	recycling?				
B. EPA ID No. of facility to white	ch waste was ship	pped C	C. Off-site Manage Method code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1 <u>UTD98155217</u>	<u>'7</u>		<u>H040</u>			3.94		
Site 2								
Site 3								
Comments Lab packs with no chemicals or products (	acute hazardous v Jnused product - I	vaste (from ar ncluding U an	ny source)FROM:E nd P listed wastes)	Discarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused		

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD,	TE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLI ROAD, SM-30					ous Waste Report	
LOS ALAMOS, NM 8754	5			GM	WASTE G	ENERATION	
<u>NM0890010515</u>						NAGEMENI	
Sec. 1 A. Waste ACETONITIRLE Description							
B. EPA Hazardous Waste Code(s) D001 U	003		C. State Haz	ardous Wast	e Code(s)		
D. Source Code	E Form Co	ode	F Quantity G	enerated in '	2011	G Waste	
G11	W0.01	Jue			0.90	minimization code	
Management Method code for Source code G25	WOOT		UOM 3			<u>x</u>	
			Density	0.0	<u>)0</u> spec.gra		
Sec. 2 Was any of this waste managed on-sit	e?			VN			
ON-SITE PROCESS SY	STEM 1			N(	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treat Method code recycled on-si	ed, disposed, o te in 2011	or	On-site M Meth	lanagement od code	Quantity f recycled o	reated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped off sit X Yes (CONTINUE TO T	e in 2011 for tre	eatmer	t, disposal, or	recycling?			
B. EPA ID No. of facility to which waste w	as shipped	C.C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity shipped in 2011		
Site 1 <u>UTD981552177</u>			<u>H040</u> <u>0.9</u>			0.90	
Site 2							
Site 3							
Comments Lab packs with no acute haza chemicals or products (Unused pro	rdous waste (fror duct - Including l	m any s U and P	ource) FROM:D listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da	te, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:		U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NAME LOS ALAMOS NATIONAL	TE NAME LOS ALAMOS NATIONAL LABORATORY					
LOS ALAMOS, NM 87545	<u> 3M-30</u>		GM	WASTE G	ENERATION	
EPA ID NO: <b>NM0890010515</b>			FORM	AND MAN	AGEMENT	
Description						
B. EPA Hazardous Waste Code(s) D001 U03	31	C. State H	azardous Wast	te Code(s)		
D. Source Code	E. Form Co	de F.Quantity	Generated in	2011	G.Waste minimization code	
G11 Management Method code for Source code C25	<u>W001</u>			2.72	v	
Management Method code for Source code G25		UOM <u>3</u>			<u>~</u>	
		. Density	0.0	<u>)0</u> spec.gra		
Was any of this waste managed on-site?	> >	•			•	
Sec. 2			X N	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYST	ГЕМ 1		ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated Method code recycled on-site	I, disposed, or in 2011	On-site	Management thod code	Quantity f	reated, disposed, or on-site in 2011	
<b>Soc. 2</b> A Was any of this waste shinned off site i	in 2011 for tre	atment disposal (	or recycling?			
X Yes (CONTINUE TO IT	TEM B)	atment, disposal, (	or recycling:			
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manag Method code shi	gement ipped to	D. Total quantity sh	ipped in 2011	
Site 1 <u>UTD981552177</u>		<u>H040</u>	<u>H040</u> <u>2.7</u>			
Site 2						
Site 3						
Comments Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (from uct - Including U	any source) FROM and P listed wastes	/:Discarding off-s s) Waste Min: No	specification, out-of-da o minimization	te, and/or unused	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					•
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA IE	NO: <b>NM0890010515</b>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste ETHYL ACETATE, Description	HIGHLY	FLA	MMABLE L	IQUID		
B. EPA	Hazardous Waste Code(s) D001 U13	L2		C. State Haz	ardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	11	W001		-		0.99	minimization code
Manage	ment Method code for Source code G25	MOOL		UOM 3			<u>X</u>
				Density 0.00 spec.gra			
						oo spee.gra	
Sec 2	Was any of this waste managed on-site?	)					
000.2					XN	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or			
		11 2011		Meth		Tecycled	
L	I						
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X YES (CONTINUE TO IT	EM B)		)ff-site Manage	ment		
	B. EFA ID NO. OF facility to which waste was	snippeu	Met	hod code shipp	bed to	D. Total quantity sh	ipped in 2011
Site 1	UTD981552177			H040			0.99
Site 2				<u></u>			
Sile 2							
Site 3							
Commo	ents Lab packs with no acute hazard	ous waste (fror	m anv s	ource) FROM:D	)iscarding off	-specification, out-of-da	te, and/or unused
	chemicals or products (Unused produ	ict - Including l	J and P	listed wastes)	Waste Min: N	lo minimization	,

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIE PROTECT	RONMENTAL ON AGENCY	
SITE NA	SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> LOS ALAMOS, NM 87545					2011 Hazard	ous Waste Report	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste METHONAL Description							
B. EPA I	Hazardous Waste Code(s) D001 U15	54		C. State Haz	ardous Wast	te Code(s)		
D. Sourc <u>G</u> Manager	. Source Code E. Form Code <u>G11</u> anagement Method code for Source code G25		ode	F.Quantity G UOM <u>3</u> Density	G.Waste       3.26       UOM 3       0.00       spec.gra			
Sec. 2	Was any of this waste managed on-site?	•			X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>		3.26		
Site 2								
Site 3								
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	ous waste (fror lot - Including U	m any s J and F	ource) FROM:D Plisted wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	ite, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545					2011 Hazard	ous Waste Report
EPA IL	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste METHYL CHLOROF Description	ORMATE					
B. EPA I	Hazardous Waste Code(s) D001 U15	56		C. State Haz	ardous Wast	te Code(s)	
D. Sourc <u>G</u> Manager	ce Code <u>11</u> ment Method code for Source code G25	E. Form Code <u>W001</u> • G25		F.Quantity G UOM <u>3</u> Density	Generated in 2011 <u>0.45</u> <u>0.00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)			X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Methe	lanagement od code	Quantity frecycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> [EM B)	eatment,	disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Off Metho	f-site Manage od code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		:	<u>H040</u>			0.45
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazard chemicals or products (Unused produ	us waste (fron ict - Including U	n any sou J and P li	urce) FROM:Disted wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIE PROTECT	RONMENTAL
SITE NAM	TE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazard	ous Waste Report
EPA ID I	NO: <u>NM0890010515</u>				FORM	WASTE G	ENERATION NAGEMENT
Sec. 1 A	A. Waste METHYL ETHYL KI Description	ETONE					
B. EPA Ha	azardous Waste Code(s) D001 U15	59	C. Sta	te Haz	zardous Was	te Code(s)	
D. Source <u>G1</u> Manageme	Source Code     E. Form Code       G11     W001		de F.Qua	ntity G	Generated in	2011 <u>1.85</u>	G.Waste minimization code
, .			. Densi	<u>3</u> ty	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site M Meth	Management Quantity treated nod code recycled on-site	l, disposed, or in 2011	On	-site N Meth	Management ood code	Quantity recycled	reated, disposed, or on-site in 2011
Sec. 3 A	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea CEM B)	atment, dispos	sal, or	recycling?		
E	3. EPA ID No. of facility to which waste was	shipped	C. Off-site M Method code	anage e ship	ement ped to	D. Total quantity shipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H04</u> (	)			<u>1.85</u>
Site 2							
Site 3							
Commen	ts Lab packs with no acute hazardo chemicals or products (Unused produ	us waste (from Ict - Including U	any source)F and P listed wa	ROM:I astes)	Discarding off- Waste Min: No	specification, out-of-da o minimization	tte, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVII PROTECT	RONMENTAL ION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL</u>	LABORATO	DRY			_ 2011 Hazard	ous Waste Report		
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPAID NO: <u>NM0890010515</u>				GM FORM	WASTE G AND MAI	ENERATION NAGEMENT			
Sec. 1	Sec. 1 A. Waste UNH1325 FLAMM SOLIDS, ORGANIC Description								
B. EPA Hazardous Waste Code(s) D001 U165 C. S				C. State Haz	zardous Was	te Code(s)			
D. Sourc <u>G</u> Manage	D. Source Code E. Form Cod G11 Management Method code for Source code G25			F.Quantity G	Generated in	2011 7.07	G.Waste minimization code <u>X</u>		
				Density <u>0.00</u> spec.gra					
Sec. 2	Was any of this waste managed on-site	?			XN	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS	TEM 1			(	ON-SITE PROCESS	SYSTEM 2		
On-site	e Management Quantity treated ethod code recycled on-site	d, disposed, o ∌ in 2011	r	On-site M Meth	Aanagement od code	Quantity recycled	treated, disposed, or on-site in 2011		
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO I	in 2011 for tre TEM B)	eatmen	it, disposal, or	recycling?				
	B. EPA ID No. of facility to which waste wa	s shipped	C. O Metl	)ff-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011		
Site 1	e 1 <u>UTD981552177</u>			<u>H040</u> 7.0			7.07		
Site 2									
Site 3									
Comm	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								

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIR	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL : BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>	<u>27</u>	GM FORM	2011 Hazardo WASTE GI AND MAN	ous Waste Report ENERATION IAGEMENT		
Sec. 1 A. Waste TOLUENE, REAGE	NT GRADE,	FLAMMABLE	E LIQUID	<u></u>		
B. EPA Hazardous Waste Code(s) D001 U22	C. State Haz	zardous Wast	e Code(s)			
D. Source Code <u>G11</u> Management Method code for Source code G25	E. Form Code <u>W001</u>	e F.Quantity G UOM <u>3</u> Density	F.Quantity Generated in 2011       G.Waste minimization code         0.99       X         UOM 3       X         Density       0.00 spec.gra			
Sec. 2 Was any of this waste managed on-site?	)		X No	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated Method code recycled on-site	l, disposed, or in 2011	On-site Meth	Management ood code	Quantity to recycled c	reated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site a X Yes (CONTINUE TO IT	n 2011 for treat CEM B)	tment, disposal, or	recycling?			
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity shipped in 2011		
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>0.99</u>	
Site 2						
Comments Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (from a uct - Including U a	any source) FROM:I and P listed wastes)	Discarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LA	ABEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NAME LOS ALAMOS NATIONAL	LABORATO	<u>ORY</u>			2011 Hazard	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
LOS ALAMOS, NM 87545					WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1 A. Waste XYLENE Description						
B. EPA Hazardous Waste Code(s) D001 U23	39		C. State Haz	ardous Wast	te Code(s)	
	E Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G11	WO 0 1				0.13	minimization code
Management Method code for Source code G25	WOUL		UOM 3			<u>x</u>
			Density	0 0	0 anna ara	
		]	Bonony	0.0	<u>no</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?	?					
Sec. 2				X N	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	d, disposed, o e in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatmen	t, disposal, or	recycling?		
X Yes(CONTINUE TO IT	FEM B)					
B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manage nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1 UTD981552177			<u>H040</u>			0.13
Site 2						
Site 3						
Comments Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including U	m any so U and P	ource) FROM:D listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	ate, and/or unused

BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL RENTER:				ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL	LABORATORY	7		2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>				
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>			FORM		IAGEMENT
Description PIPING FROM PL	EBRIS: PAN ATING AND	PER, CLOTH PHOSPHATI	IING, RAG ING	GS, WOOD, G	LASS,
B. EPA Hazardous Waste Code(s)		C. State Haz	zardous Wast	e Code(s)	
D. Source Code	F.Quantity G	Senerated in 2	2011	G.Waste	
G03	W002			114.85	minimization code
Management Method code for Source code G25	<u>W002</u>	UOM 3			<u>X</u>
		Density	0 0	0 spec gra	
			0.0	<u>o</u> ppee.gra	
Sec 2 Was any of this waste managed on-site?	2				
			X No	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated	l, disposed, or in 2011	On-site Meth	On-site Management Quantity treated, disposed, or		
		Wet		Tobyolou c	
	00446 4 4				
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatm	nent, disposal, or	recycling?		
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	TEM B)	nent, disposal, or	recycling?		anadia 2011
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was	in 2011 for treatm TEM B) s shipped C M	nent, disposal, or C. Off-site Manage Nethod code ship	ment ped to	D. Total quantity sh	ipped in 2011
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177	in 2011 for treatm TEM B) s shipped C M	nent, disposal, or C. Off-site Manage Nethod code ship H040	ment ped to	D. Total quantity sh	ipped in 2011
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177	in 2011 for treatm TEM B) s shipped C M	nent, disposal, or <b>C Off-site Manage</b> <b>lethod code ship</b> <u>H040</u>	ement ped to	D. Total quantity sh	pped in 2011 <u>114.85</u>
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2	in 2011 for treatm TEM B) s shipped C N	nent, disposal, or <b>C. Off-site Manage</b> Method code ship <u>H040</u>	recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>114.85</u>
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3	in 2011 for treatm TEM B) s shipped C M	nent, disposal, or <b>C. Off-site Manage</b> <b>Method code ship</b> <u>H040</u>	ement ped to	D. Total quantity sh	ipped in 2011 <u>114.85</u>
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3         Comments       Contaminated debris: paper. close	thing, rags. wood.	nent, disposal, or <b>C Off-site Manage</b> <b>Method code ship</b> <u>H040</u> empty fiber or plas	ment ped to	D. Total quantity shi	<b>114.85</b> OM:Plating and
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3         Comments       Contaminated debris: paper, clophosphating (electro- or non-electrophosphating (	thing, rags, wood, diating or phosphatic	ent, disposal, or <b>C. Off-site Manage</b> <b>Method code ship</b> <u>H040</u> <u>H040</u> empty fiber or plas ng) Waste Min: No	tic containers, go minimization	D. Total quantity shi	<b>114.85</b> OM:Plating and
Sec. 3       A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3         Comments       Contaminated debris: paper, clophosphating (electro- or non-electrophosphating (electro- other oth	thing, rags, wood, a	ent, disposal, or <b>C. Off-site Manage</b> <b>Method code ship</b> <u>H040</u> empty fiber or plase ng) Waste Min: No	tic containers, go minimization	D. Total quantity shi	ipped in 2011 <u>114.85</u> OM:Plating and

	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	NRY			2011 Hazardo	ous Waste Report
EPA ID	LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>5M-30</u>		GM WASTE GENERATION FORM AND MANAGEMENT			
Sec. 1	A. Waste HIGH PERFORMAN Description PERCHLORATE. MICRONS IN SIZ	CE PROPE THE AMMC E AND IN	LLANT CONS NIUM PERCH	ISTIN LORAT	ig oi 'Es <i>i</i>	F AMMONIUM ARE GREATER	. THAN 15
B. EPA I	Hazardous Waste Code(s) D001		C. State Ha	zardous	Waste	e Code(s)	
D. Sourc	ce Code	E. Form Co	de F.Quantity	Generate	ed in 2	011	G.Waste minimization code
<del>ی</del> Manager	09 ment Method code for Source code G25	<u>W119</u>	UOM 3			0.11	<u>x</u>
			. Density		0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	?		X	Nc	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	FEM 1 I, disposed, or in 2011	On-site	Managei hod code	OI ment e	Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYST         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT	<b>TEM 1</b> I, disposed, or in 2011 in 2011 for treation TEM B)	On-site Met	Manager hod code	or ment e	Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYST         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste	TEM 1 I, disposed, or in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manag	Manager hod code r recyclir ement oped to	Of ment e	D. Total quantity shi	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me Sec. 3	ON-SITE PROCESS SYST a Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	TEM 1 I, disposed, or in 2011 in 2011 for treation TEM B) s shipped	On-site Met atment, disposal, o C. Off-site Manag Method code ship <u>H040</u>	Manager hod code r recyclir ement oped to	Of ment e	D. Total quantity shi	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 0.11
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYST         a Management       Quantity treated         a Management       Quantity treated         a Management       Record on-site         a Management       Record on-site         A. Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         UTD981552177	TEM 1 d, disposed, or in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manag Method code ship	Manager hod code r recyclir ement oped to	Of ment e	D. Total quantity shi	SYSTEM 2 reated, disposed, or on-site in 2011 pped in 2011 0.11
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYST         a Management       Quantity treated         a Management       Quantity treated         a Management       Recycled on-site         a Management       Recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         UTD981552177	TEM 1 I, disposed, or in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manag Method code ship	Manager hod code r recyclir ement oped to	Of ment e	D. Total quantity shi	SYSTEM 2 reated, disposed, or on-site in 2011

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	IAGEMENT
Sec. 1	A. Waste ORGANIC SOLVEN Description TOLUENE, METHY AMOUNTS OF GAL	TS (METH L ETHYL LIUM.	HANO KET	L, ETHAN ONE, AND	OL, ISO N-PENT	PROPANOL, A ANE) WITH S	CETONE, MALL
B. EPA	Hazardous Waste Code(s) D001			C. State Haz	ardous Wast	e Code(s)	
D. Sourc	Source Code E. Form Code F.Quantit			F.Quantity G	enerated in 2	2011	G.Waste
<u>G</u>	<u>09</u>	<u>W219</u>				<u>184.16</u>	
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>0</u> spec.gra	
<b>Sec. 2</b>	Was any of this waste managed on-site?	?					
Sec. 2					X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmen	it, disposal, or	recycling?		
	X Yes(CONTINUE TO IT	CEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	off-site Manage hod code shipp	ment oed to	D. Total quantity shi	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			184.16
Site 2							
Site 3							
Comme	ents CHEMICALS LISED IN ANALYSIS A			TIES AT TA-39		Other organic liquid (s	pecify in comments)

OMB#·	2050-0024	Expires	11/30/2011
$OND\pi$ .	2000-0024	LADITES	11/00/2011

BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION L	ABEL			U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME <u>LOS ALAMOS NATIONAL</u> <u>BIKINI ATOLL ROAD,</u> LOS ALAMOS, NM 87545	LABORAT( SM-30	<u>ORY</u>		GM	2011 Hazardo	ous Waste Report
EPA II	DNO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste NITROCELLULOSE Description	, WET					
B. EPA	Hazardous Waste Code(s) D001			C. State Haz	ardous Was	te Code(s)	
D. Sourc <u>G</u> Manage	ce Code <u>11</u> ment Method code for Source code G25	E. Form Co <u>W001</u>	ode	F.Quantity G UOM <u>3</u> Density	enerated in	2011 <u>574.23</u> 00 spec.gra	G.Waste minimization code <u>X</u>
Sec. 2	Was any of this waste managed on-site? ON-SITE PROCESS SYS	P FEM 1		On alta b	X N	o(SKIP TO S DN-SITE PROCESS	EC. 3) SYSTEM 2
On-site Me	ethod code code coverence duantity realed	in 2011	Dr	Metho	lanagement od code	recycled o	pn-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tr	eatmer	nt, disposal, or	recycling?		
	X       Yes (CONTINUE 'TO I'.         B. EPA ID No. of facility to which waste was	rEM B) s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
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>			0.50
Site 5	<u>FLD980711071</u>			<u>H111</u>			0.28
Commo	ents Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fro uct - Including	m any s U and F	source) FROM:D Plisted wastes) '	Discarding off- Waste Min: No	specification, out-of-da o minimization	ite, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORAT	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
	$\frac{\text{LOS ALAMOS, NM 87545}}{\text{NO}}$				FORM	WASTE G	
	<u>NM0890010515</u>						
Sec. 1	A. Waste MIXED FISSION Description	PRODUCTS	S, T	RIBUTYL	PHOSPHA	TE AND HEXA	NE.
B. EPA I	Hazardous Waste Code(s) D001			C. State Haz	ardous Wast	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W203</u>				1.47	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.0	<u>)0</u> spec.gra	
00	Was any of this waste managed on-site?	?					
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre TEM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	pped in 2011
Site 1	<u>FLD980711071</u>			<u>H061</u>			1.47
Site 2							
Site 3							
Commo	ents Concentrated non-halogenated chemicals or products (Unused produ	(E.G. non-chlo uct - Including I	rinated) U and F	) solvent FROM P listed wastes)	:Discarding off Waste Min: No	f-specification, out-of-c o minimization	ate, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE	E COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	ION AGENCY
SITE NA	AME LOS ALAMOS NATIONAL	LABORATO	DRY			_ 2011 Hazard	ous Waste Report
EPA II	BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545 D NO: <u>NM0890010515</u>	<u>SM-30</u>			GM FORM	WASTE G AND MA	ENERATION NAGEMENT
Sec. 1	A. Waste ACETIC ACID, M Description	ETHANOL,	, CO	OMASSIE	BLUE		
B. EPA	Hazardous Waste Code(s) D001			C. State Haz	ardous Was	te Code(s)	
D. Sour	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W204</u>				7.50	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.0	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site	?			X N	O(SKIP TO S	SEC. 3)
	ON-SITE PROCESS SYS	TEM 1			C	ON-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated ethod code recycled on-site	d, disposed, o a in 2011	r	On-site M Meth	lanagement od code	Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	<b>in 2011 for tre</b> ГЕМ В)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			7.50
Site 2							
Site 3							
Comm	chemicals or products (Unused produ	-halogenated s uct - Including L	olvent i J and F	mixture FROM:I Plisted wastes)	Discarding off Waste Min: N	-specification, out-of-d o minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVIE PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 DNO: NM0890010515	<u>LABORATO</u> SM-30	RY		GM FORM	2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION NAGEMENT
Sec. 1	A. Waste NITROGEN TRIFLI	JORIDE (	LECTUR	E BOI	TLE)		
B. EPA I	Hazardous Waste Code(s) D001		C. S	tate Haz	zardous Wast	te Code(s)	
D. Sourc <u>G</u> Manager	ce Code <u>11</u> ment Method code for Source code G25	E. Form Con <u>W801</u>	de F.Qu UC	uantity G M <u>3</u> usity	Generated in	2011 <u>12.03</u> ) <u>0</u> spec.gra	G.Waste minimization code <u>X</u>
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011		Dn-site N Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea CEM B)	atment, disp	osal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Method co	Manage de ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>TXD982290140</u>		<u>H1</u>	21			3.99
Site 2	<u>TXD982290140</u>		<u>H1</u>	29			7.41
Site 3	<u>TXD982290140</u>		<u>H1</u>	<u>11</u>			0.62
Comme	ents Compressed gases (any type) F product - Including U and P listed was	FROM:Discardir stes) Waste Mi	ng off-specific n: No minimi:	ation, ou zation	t-of-date, and/o	or unused chemicals c	r products (Unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national i</u>	LABORATC	DRY			_ 2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						
	<u>los alamos, nm 87545</u>				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT	
Sec. 1	A. Waste OXIDIZING CONTA Description	AMINATED	) MA	TERIAL				
B. EPA Hazardous Waste Code(s) D001 C.				C. State Haz	ardous Wa	ste Code(s)		
D. Source Code E. Form Code			de	F.Quantity G	enerated in	2011	G.Waste	
G	13	W310				1,988.49	minimization code	
Manager	ment Method code for Source code G25	<u></u>		UOM 3			<u>X</u>	
				<u>Density</u>	0	0.0 anoa ara		
				Density	0.	<u>oo</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	,			XI	JO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A Was any of this waste shinned off site i	n 2011 for tre	atmer	nt disposal or	recyclina?			
Sec. 5	X Yes (CONTINUE TO IT	TEM B)	aunor		recycling:			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	FLD980711071			<u>H111</u>			1,988.49	
Site 2								
Site 3								
Comme	Ents Filters, solid adsorbents, ion exc process equipment (periodic sludge c Min: No minimization	hange resins a or residual remo	nd spe oval fro	nt carbon (usual m enclosed proc	lly from reme cesses includ	diation, production, o F ing internal scrubbing c	FROM:Cleaning out or cleaning) Waste	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL :	LABORATO	RY		2011 Hazardous Waste Report				
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM	MASTE C			
	$\frac{105 \text{ ALLAMOS}, \text{ IM} 87545}{100 \text{ ALLAMOS}, \text{ IM} 87545}$				FORM				
	<u>NM0890010515</u>								
Sec. 1	A. Waste WD-40 AEROSOL Description								
B. EPA	Hazardous Waste Code(s) D001			C. State Haz	ardous Wast	e Code(s)			
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in 2	2011	G.Waste		
<u>G</u>	<u>19</u>	<u>W219</u>				0.20	Thin The Lation Could		
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>		
				Density	0.0	<u>)0</u> spec.gra			
	Was any of this waste managed on-site?	>					·		
Sec. 2					X No	o(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treatec ethod code recycled on-site	l, disposed, or in 2011		On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec 3	A Was any of this waste shipped off site	in 2011 for trea	atment	disposal or	recycling?				
000.0	X Yes (CONTINUE TO IT	TEM B)	atmont,	, alopooul, of	reeyening.				
	B. EPA ID No. of facility to which waste was	shipped	C. Off Metho	f-site Manager od code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1	<u>TNR000005397</u>			<u>H112</u>			0.20		
Site 2									
Site 3									
Commo	MECHANICAL MAINTENEACE OPE DEGRADATION Other organic li comments) Waste Min: No minimiza	RATIONS. AER quid (specify in d tion	ROSOL ( commer	(WD-40) USED nts) FROM:Otl	) TO LUBRICA her one-time o	ATE PARTS AND SLC	W METAL es(specify in		
L									

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLI, ROAD	LABORATC	<u>NRY</u>		2011 Hazardous Waste Report			
	LOS ALAMOS, NM 87545	<u>511 50</u>			GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAR	NAGEMENT	
Sec. 1	A. Waste TOLULENE AMPULI Description	ES						
B. EPA I	Hazardous Waste Code(s) D001			C. State Haz	ardous Was	ste Code(s)		
D. Source Code E. Form Code			de	F.Quantity G	enerated in	2011	G.Waste	
G	19	W320				168.73	minimization code	
Manager	ment Method code for Source code G25	<u></u>		UOM 3			<u>X</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	,			X N	Jo(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS1	EM 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, oi in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>168.73</u>	
Site 2								
Site 3								
Comme	THERMOSTATIC CONTROL UNITS OFFICES THROUGHOUT SM-43. containing FROM:Other one-time or	CONTAINING Electrical de intermittent pro	TOLUI vices (I	ENE. THESE U amps, thermost s(specify in com	NITS ARE RI ats, CRTs, et ments) Wast	EMOVED FROM STEA c) (fluorescents, etc us e Min: No minimization	M REGISTERS IN ually Mercury or lead	

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL : BIKINI ATOLL ROAD, S	LABORATC SM-30	<u>DRY</u>		CM	2011 Hazardo	ous Waste Report	
EPA II	LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>				FORM	WASTE G	ENERATION IAGEMENT	
Sec. 1	Sec. 1 A. Waste ACETONITRILE AND WATER IN AN50/50 MIXTURE. Description							
B. EPA Hazardous Waste Code(s) D001				C. State Haz	zardous Was	te Code(s)		
D. Source Code E. Form Code G22 W107			de	F.Quantity G	Generated in	2011 <u>2.72</u>	G.Waste minimization code	
Manage	ment Method code for Source code G25	<u></u>		UOM <u>3</u> Density	0.0	<u>)0</u> spec.gra	X	
Sec. 2	Sec. 2 Was any of this waste managed on-site?							
	ON-SITE PROCESS SYS	ГЕМ 1			C	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treatecest of the second	l, disposed, ol in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	n 2011 for tre TEM B)	atmen	t, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manage nod code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>ARD069748192</u>			<u>H040</u>			<u>2.72</u>	
Site 2								
SILE 3								
Commo	Comments Aqueous waste containing cyanides (generally Caustic) FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization							

OMB#: 2050-0024 Expires 11/30/2	2011						
BEFORE COPYING FORM, ATT/ OR ENTER:	ACH SITE IDENTIFICATION I		U.S. ENVIR	ONMENTAL ON AGENCY			
SITE NAME LOS ALAMOS BIKINI ATO	NATIONAL LABORAT	TORY		2011 Hazardo	ous Waste Report		
LOS ALAMOS, NM 87545OWNEPA ID NO:NM0890010515MM0890010515FORM							
Sec. 1 A. Waste AQUEOUS WASTE OR WASTEWATERS (FLUID BUT NOT SLUDGE) FROM Description LABORATORY ANALYTICAL WASTES							
B. EPA Hazardous Waste Code(	s) D001	C. State Ha	zardous Waste	e Code(s)			
D. Source Code	E. Form C	Code F.Quantity	Generated in 2	2011	G.Waste		
<u>G22</u>	<u>W113</u>			108.83	minimization code		
Management Method code for So	ource code G25	UOM <u>3</u>	UOM <u>3</u>				
		Density	0.0	<u>0</u> spec.gra			
Sec. 2 Was any of this waste	Sec. 2 Was any of this waste managed on-site?						
ON-SITE	PROCESS SYSTEM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Method code	Quantity treated, disposed, recycled on-site in 2011	or On-site Met	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. Was any of this wast X Yes (CONT	e shipped off site in 2011 for t CINUE TO ITEM B)	treatment, disposal, o	r recycling?				
B. EPA ID No. of facility	to which waste was shipped	C. Off-site Manag Method code ship	ement oped to	D. Total quantity shi	pped in 2011		
Site 1 UTD9815	<u>52177</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							

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	ION AGENCY
SITE NA	ME LOS ALAMOS NATIONAL I	LABORATO	<u>DRY</u>			2011 Hazard	ous Waste Report
<u>LOS ALAMOS, NM 87545</u> EPA ID NO: <u>NM0890010515</u>					GM FORM	WASTE G AND MAI	ENERATION NAGEMENT
Sec. 1 A. Waste ETHANOL, DIETHANOL AMINE, W Description FROM COATING PROCESS.				WATER,	YTTRIU	M ACETATE LE	EFT OVER
B. EPA	B. EPA Hazardous Waste Code(s) D001			C. State Hazardous Waste Code(s)			
D. Sourc	. Source Code E. Form Code			F.Quantity G	enerated ir	2011	G.Waste minimization code
<u>G</u> Manage	22 ment Method code for Source code G25	<u>W119</u>				<u>4.98</u>	x
livianagei				Density	0.	<u>00</u> spec.gra	<u>~</u>
Sec. 2	Was any of this waste managed on-site?				X	No(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1		ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n <b>2011 for tre</b> 'EM B)	eatmen	it, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	)ff-site Manage hod code ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>4.98</u>
Site 2							
Site 3							
Commo	ents SOL GEL DEPOSITION OF YTTRIUI analytical wastes (used chemicals fro	M OXIDE. (CC m laboratory o	DATING	i). Other inc ns)) Waste Min	organic liquid : No minimiz	(specify in comments) ation	FROM:Laboratory

OMB#: 2050-0024 Expires 11/30/2011 BEFORE COPYING FORM, ATTACH SITE IDENT	OMB#: 2050-0024 Expires 11/30/2011 BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>		GM FORM	2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION NAGEMENT				
Sec. 1 A. Waste DIMETHYL SULFOXIDE, ACETONITRILE AND WATER MIXTURE.								
B. EPA Hazardous Waste Code(s) D001	C. Sta	ate Ha	zardous Wasi	te Code(s)				
D. Source Code <u>G22</u> Management Method code for Source code G25	E. Form Co <u>W203</u>	de F.Qua UON Dens	F.Quantity Generated in 2011 <u>135.7</u> UOM <u>3</u> Density <u>0.00</u> spec			G.Waste minimization code <u>X</u>		
Sec. 2 Was any of this waste managed on-site?								
ON-SITE PROCESS SYS On-site Management Quantity treate Method code recycled on-site	TEM 1 d, disposed, or e in 2011	r O	ON-SITE PROCESS SYSTEM 2 On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			SYSTEM 2 reated, disposed, or on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO I	<b>in 2011 for tre</b> TEM B)	atment, dispo	sal, or	recycling?				
B. EPA ID No. of facility to which waste wa	s shipped	C. Off-site I Method coo	/lanage le ship	ement ped to	D. Total quantity sh	ipped in 2011		
Site 1 <u>ARD069748192</u>		<u>H04</u>	0			<u>2.72</u>		
Site 2 <u>UTD981552177</u>		<u>H04</u>	<u>H040</u>			<u>132.99</u>		
Site 3								
Comments Concentrated non-halogenated (E.G. non-chlorinated) solvent FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization								

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL				PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, S	<u>5M-30</u>				4		
LOS ALAMOS, NM 87545				GI	VI	WASTE GI	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FOF	RM	AND MAN	AGEMENT
Sec. 1A. 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 I	Hazardous Waste Code(s) D001			C. State Haz	zardous	Wast	e Code(s)	
D. Source Code E. Form Code F.			F.Quantity G	Generate	ed in 2	2011	G.Waste	
<u>G</u>	22	<u>W204</u>		<u>192.</u>			<u>192.28</u>	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density		0.0	<u>0</u> spec.gra	
800.2	Was any of this waste managed on-site?	,						
Sec. 2					Х	No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
	A Was any of this waste shipped off site i	n 2011 for tra	otmor	t dianagal ar	roovalir	202		
Sec. 3	X Yes (CONTINUE TO IT	EM B)	amer	it, disposal, or	recyclir	ıg :		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to		D. Total quantity shi	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				<u>192.28</u>
Site 2								
Site 3								
Comme	Site 3       Concentrated halogenated/ non-halogenated solvent mixture         Comments       Concentrated halogenated/ non-halogenated solvent mixture         FROM:Laboratory analytical wastes (used chemicals from laboratory operations))         Waste Min: No minimization							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY						_ 2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545	<u>SM-30</u>			GM	WASTE G		
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1 B. EPA	Sec. 1       A. Waste       SOLVENT WASTE GENERATED FROM HPLC AND SEC ENERGY MATERIAL         Description       ANALYSIS.       THE SOLVENT WASTE IS MANUFACTURER STABILIZED         TETRAHYDROFURAN AND POLYMERS.       (EXAMPLES OF POLYMERS USED         B. EPA Hazardous Waste Code(s)       FK-800, VITON, ESTANE, OXY 461 IRGANOX POYLSTYRENE).							
	D001							
D. Source Code E. Form Co		ode	F.Quantity G	Generated in	2011	G.Waste minimization code		
Manag	<u>කි</u> කිt Method code for Source code G25	<u>W219</u>		UOM		<u>76.94</u>	X	
				Density <u>3</u>	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)						
	ON-SITE PROCESS SYST	EM 1			X I	SN-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was stripped		C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity shipped in 2011		
Site 1	<u>ARD069748192</u>			<u>H040</u>			8.36	
Site 2	FLD980711071			<u>H141</u>			<u>51.71</u>	
Site 3	<u>UTD981552177</u>			<u>H040</u> <u>16.87</u>			<u>16.87</u>	
Comme	MANUFACTURER STABILIZED TET SAMPLE DILUTIONS. USED FOR H CHROMATOGRAPHY (SEC) ENERC FROM:Laboratory analytical wastes (	RAHYDROFU IIGH PRESSU GETIC MATER used chemical	RAN U RE LIQ IALS A s from I	SED FOR MOB UID CHROMAT NALYSIS. ( laboratory opera	ILE PHASE, FOGRAPHY ( Other organic ations)) Wast	POLYSTYRENE STAN HPLC) AND SIZE EXC liquid (specify in comm e Min: No minimization	DARDS, AND ULSION lents)	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545					GM WASTE GENERATION			
EPA ID NO: <u>NM0890010515</u>					FORM AND MANAGEMENT			
Sec. 1	A. Waste NITRATE SOLUTIO	NC						
B. EPA Hazardous Waste Code(s) D001				C. State Hazardous Waste Code(s)				
D. Source Code		E. Form Co	Code F.Quantity		Generated in 2011		G.Waste	
G	G22		W409		403.70			
Management Method code for Source code G25			UOM				<u>X</u>	
				Density	0.0	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?				X No	o(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYSTEM 1					<b>ON-SITE PROCESS SYSTEM 2</b>			
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			r	On-site N Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment	t, disposal, or	recycling?			
	X       Yes (CONTINUE TO ITEM B)         B. EPA ID No. of facility to which waste was shipped		C. O Meth	C. Off-site Management Method code shipped to		D. Total quantity shipped in 2011		
Site 1	ARD069748192		<u>H040</u>			403.70		
Site 2								
04 0								
Site 3								
Commo	ents COVERING REILLEX HPQ POLYME comments) FROM:Laboratory analyt	R IS A CHLOR	RIDE FC ed chen	DRM TO A NITF nicals from labo	ATE FORM.	Other organic solions)) Waste Min: No i	ds (specify in minimization	
OMB#: 2	050-0024 Expires 11/30/2011							
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIV		WASTE G	ENERATION
EPA ID NO:       NM0890010515       FORM       AND MANAGEMENT							AGEMENT	
								]
Sec. 1 A. Waste HACH, ALKALINE CYANIDE REAGENT, UNUSED UNSPENT - SODIUM Description HYDROXIDE, SODIUM CYANIDE								
B. EPA I	Hazardous Waste Code(s) D003 D00	)2		C. State Haz	zardous V	Vast	e Code(s)	
	e Code	E. Form Co	ode	F.Quantity G	Generated	l in 2	2011	G.Waste
G	11	W0.01					1.42	minimization code
Manager	nent Method code for Source code G25	WOOL		LIOM 2				X
_				Donoity		~ ~	0	
				Density	(	5.0	<u>u</u> spec.gra	
	Was any of this waste managed on-site?	)						
Sec. 2 X No(SKIP TO SEC. 3)								
ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 2							SYSTEM 2	
On-site	Management Quantity treated	, disposed, o	or	On-site N	Managem	ent	Quantity t	reated, disposed, or
Me	ethod code recycled on-site	in 2011		Meth	od code		recycled of	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmen	nt, disposal, or	recycling	j?		
	X Yes(CONTINUE TO II	EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code ship	ement ped to		D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				1.42
Site 2								
Site 3								
Comme	ants I ah nacks with no acute bazard	ous waste (fror	m anv e		Discarding	l	pecification out-of-da	te and/or unused
	chemicals or products (Unused produ	ict - Including L	J and P	Plisted wastes)	Waste Mir	n: No	minimization	
1								

OMB#: 2050-0024 Expires	11/30/2011							
BEFORE COPYING FORM OR ENTER:	I, ATTACH SITE IDENTI	FICATION LAI	BEL		U.S. ENVIRONMENTAI PROTECTION AGENC			
SITE NAME LOS ALA	AMOS NATIONAL	LABORATO	RY			2011 Hazardo	ous Waste Report	
BIKIN	I ATOLL ROAD, S	<u>5M-30</u>						
LOS ALA	AMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID NO:     NM0890010515       FORM     AND MANAGEMENT						NAGEMENT		
Sec. 1 A. Waste WASTE CONSISTS OF AN AQUEOUS SOLUTION WITH SODIUM HYDROXIDE, Description EDTA TETRASODIUM SALT, ASCORBIC ACID, AND TRACE AMOUNTS OF SODIUM SULFIDE AND LEAD NITRATE.								
B. EPA Hazardous Waste	Code(s) D003 D00	)2		C. State Haz	zardous Was	te Code(s)		
D. Source Code		E. Form Coo	de	F.Quantity G	enerated in	2011	G.Waste	
<u>G22</u>		<u>W110</u>				20.00	minimization code	
Management Method code	e for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
Was any of this waste managed on-site?								
X No(SKIP TO SEC. 3)								
ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 2								
On-site Management         Quantity treated, disposed, or recycled on-site in         On-site Management         Quantity treated, disposed, or Method code         On-site Management         Quantity treated, disposed, or recycled on-site in         Quantity treated, disposed, or         On-site Management         Quantity treated, disposed, or         On-site Management         Quantity treated, disposed, or         Quantity treated, disposed, disposed, disposed,				treated, disposed, or on-site in 2011				
Sec. 3 A. Was any of th	is waste shipped off site i	n 2011 for trea	atment,	, disposal, or	recycling?			
X Yes (	CONTINUE TO IT	'EM B)						
B. EPA ID No. of	facility to which waste was	shipped	C. Of Metho	f-site Manage od code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1 UTDS	981552177			<u>H040</u>			<u>20.00</u>	
Site 2								
Site 3								
Comments Cau operation	stic aqueous waste without s)) Waste Min: No minimiza	cyanides( Ph >1	12.5) FF	ROM:Laborator	ry analytical w	astes (used chemicals	from laboratory	

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDE OR ENTER:	NTIFICATION L	ABEL		PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORAT	<u>ORY</u>		2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD	<u>, SM-30</u>					
LOS ALAMOS, NM 8754	<u>15</u>		GIVI	WASTE G	ENERATION	
EPAID NO:     NM0890010515       AND MANAGEMENT						
Sec. 1 A. Waste WASTE CONSISTS WATER (75-90%), ACIDS (10-20% OF THE FOLLOWING: Description HN03, HCL, H2S04, H3P04, C2H402, AND HF) AND THE METALS LISTED ON THE ATTACHED ANALYSIS.						
B. EPA Hazardous Waste Code(s) D008 I	009 D010	C. State Ha	azardous Wast	e Code(s)		
D007 D006 D005 D011 D002	D004					
D. Source Code	E. Form Co	ode F.Quantity	Generated in	2011	G.Waste	
<u>G22</u>	<u>W103</u>			368.27	minimization code	
Management Method code for Source code G2	5	UOM <u>3</u>			<u>X</u>	
		. Density	0.0	<u>)0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?						
X No(SKIP TO SEC. 3)						
On-site Management Quantity trea	YSIEM 1 ated disposed c	or On-site	0 Management	Quantity t	reated disposed or	
Method code recycled on-	site in 2011	Method code recycled on-site in 2011			on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X Yes (CONTINUE TO ITEM B)						
B. EPA ID No. of facility to which waste	B. EPA ID No. of facility to which waste was shipped C. Me		pement pped to	D. Total quantity shipped in 2011		
Site 1 <u>ARD069748192</u>		<u>H040</u>			125.00	
Site 2 <u>UTD981552177</u>		<u>H040</u>			114.00	
Site 3 <u>UTD981552177</u>		<u>H141</u>			<u>129.27</u>	
Comments Spent concentrated acid FF minimization	ROM:Laboratory ar	nalytical wastes (used	chemicals from	laboratory operations)	i) Waste Min: No	

ONDH, $ZOJO-OOZH$ LADITES 11/00/201	OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVIE PROTECTI	RONMENTAL
SITE NA	ME <u>los alamos national i</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					-
	<u>LOS ALAMOS, NM 87545</u>				GIVI	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste LANL-PDS-6 EXP Description	IRED STA	ANDAR	D			
B. EPA	Hazardous Waste Code(s) D008 D01	L0 D011		C. State Haz	ardous Wast	e Code(s)	
D002	2 D004 D005 D006 D007						
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in 2	2011	G.Waste
<u>G</u>	22	W119				125.20	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Metho	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatment,	disposal, or	recycling?		
	X Yes(CONTINUE TO II	CEM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. Off Metho	f-site Manage od code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1	<u>FLD980711071</u>			<u>H111</u>			<u>125.20</u>
Site 2							
Site 3							
Comm	ents ANALYTICAL CHEMISTRY Othe from laboratory operations)) Waste N	er inorganic liqu /in: No minimiz	uid (speci zation	ify in comment	s) FROM:Lab	oratory analytical was	tes (used chemicals

ents ANALYTICAL CHEMISTRY Othe from laboratory operations)) Waste N	er inorganic liqu /lin: No minimiz	uid (spe zation	cify in comment	s) FROM:Lab	poratory analytical was	tes (used chemicals
	I					
FLD980711071			<u>H111</u>			0.32
B. EPA ID No. of facility to which waste was	shipped	C. O Meti	)ff-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre CEM B)	eatmen	it, disposal, or	recycling?		
A Moo one of this waste shimsed off site :	n 2011 for the		t diapaset se			
ethod code recycled on-site	in 2011	"	Meth	od code	recycled	on-site in 2011
ON-SITE PROCESS SYST	EM 1	r	On-site M	C	N-SITE PROCESS	SYSTEM 2
Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)
			Density	0.(	<u>)0</u> spec.gra	
ment Method code for Source code G25	MTTA		UOM <u>3</u>		<u></u>	X
ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011 0.32	G.Waste minimization code
TING 010 010 010						
Hazardous Waste Code(s) D004 D00	)2 D005		C. State Haz	ardous vvas	te Code(s)	
A. Waste LANL-CAL-14 EX Description	PIRED ST	FAND.	ARD		2 1 ( )	
D NO: <u>NM0890010515</u>				FORM		
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD. S	<u>LABORATC</u> SM-30	<u>DRY</u>			2011 Hazardo	ous Waste Report
COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	ON AGENCY
	COPYING FORM, ATTACH SITE IDENTI R: ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 ONO: <u>NM0890010515</u> A. Waste LANL-CAL-14 EXI Description Hazardous Waste Code(s) D004 D00 5 D008 D010 D011 See Code 22 ment Method code for Source code G25 Was any of this waste managed on-site? ON-SITE PROCESS SYST Management Planagement Planagement Planagement CON-SITE PROCESS SYST A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste waste FLD980711071	COPYING FORM, ATTACH SITE IDENTIFICATION LATR: ME LOS ALAMOS NATIONAL LABORATO BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 ONO: NM0890010515 A. Waste LANL-CAL-14 EXPIRED ST Description Hazardous Waste Code(s) D004 D002 D005 5 D008 D010 D011 The Code E. Form Comparison Hazardous Waste Code (s) D004 D002 D005 5 D008 D010 D011 The Code E. Form Comparison W119 Was any of this waste managed on-site? ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 1 A. Was any of this waste shipped off site in 2011 for the X Yes (CONTINUE TO ITEM B) B. EPA ID No. of facility to which waste was shipped FLD980711071	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         R:         ME       LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         D NO:       NM0890010515         A. Waste       LANL-CAL-14 EXPIRED STAND Description         Hazardous Waste Code(s)       D004 D002 D005         G D008 D010 D011       E. Form Code         W119         Was any of this waste managed on-site?         ON-SITE PROCESS SYSTEM 1         Quantity treated, disposed, or recycled on-site in 2011 for treatmer X Yes (CONTINUE TO ITEM B)         B. EPA ID No. of facility to which waste was shipped         C. C         Met         FLD980711071         C. C	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         R:       ME         ME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         D NO:       NM0890010515         A. Waste LANL-CAL-14 EXPIRED STANDARD Description         Hazardous Waste Code(s) D004 D002 D005         G D008 D010 D011       C. State Haz         F.Quantity G         22       E. Form Code         22       W119         UOM 3         Density         Was any of this waste managed on-site?         ON-SITE PROCESS SYSTEM 1         Management       Quantity treated, disposed, or recycled on-site in 2011 for treatment, disposal, or X Yes (CONTINUE TO ITEM B)         B. EPA ID No. of facility to which waste was shipped         C. Off-site Manage Method code shipp         FLD980711071         H111	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL         REININI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545         NO:       NM0890010515         A. Waste       LANL-CAL-14         clazardous Waste Code(s)       D004 D002 D005         class any of this waste managed on-site?       X         x       N         ON-SITE PROCESS SYSTEM 1       On-site Management Method code         class any of this waste shipped off site in 2011 for treatment, disposal, or recycling?         X       Yes (CONTINUE TO ITEM B) <td< td=""><td>COPYING FORM, ATTACH SITE IDENTIFICATION LABEL       U.S. ENVIR         R:       ME       LOS ALAMOS NATIONAL LABORATORY       2011 Hazardu         BIKINI ATOLL ROAD, SM-30       COM       GM       WASTE G         LOS ALAMOS, NM 87545       DNO:       MM0890010515       WASTE G         A. Waste       LANL-CAL-14       EXPIRED STANDARD       GM       WASTE G        </td></td<>	COPYING FORM, ATTACH SITE IDENTIFICATION LABEL       U.S. ENVIR         R:       ME       LOS ALAMOS NATIONAL LABORATORY       2011 Hazardu         BIKINI ATOLL ROAD, SM-30       COM       GM       WASTE G         LOS ALAMOS, NM 87545       DNO:       MM0890010515       WASTE G         A. Waste       LANL-CAL-14       EXPIRED STANDARD       GM       WASTE G

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:	FICATION LAB	EL		U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u>				GM	2011 Hazardo	ous Waste Report
EPA IL	NO: <u>NM0890010515</u>			FURIVI		NAGEMENT
Sec. 1	A. Waste EXPIRED STANDAN Description	RD				
B. EPA I	Hazardous Waste Code(s) D004 D00	)2 D005	C. State Haz	zardous Wast	e Code(s)	
D010	D008 D006					
D. Sourc	. Source Code E. Form Code		F.Quantity G	F.Quantity Generated in 2011 G.Wa		
<u>G</u>	<u>11</u> mont Mathad and a for Source and C25	<u>W105</u>			0.12	v
Ivialiagei	hent method code for Source code G25		UOM <u>3</u>			<u>A</u>
			. Density	0.0	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?			X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site Meth	Management lod code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	ment, disposal, or	recycling?		
	X Yes(CONTINUE TO II	'EM B)				
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	FLD980711071		<u>H111</u>			0.12
Site 2						
Site 3						
Comme	Acidic aqueous wastes less than chemicals or products (Unused produ	l 5% acid (diluted ct - Including U a	but Ph <2) FROM: nd P listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da	ate, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATC	<u>DRY</u>			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO:     NM0890010515       AND MANAGEMENT								
Sec. 1 A. Waste EXPIRED STANDARD SM-106-060 SOLUTION B Description								
B. EPA I	Hazardous Waste Code(s) D002 D00	)4 D008		C. State Hazardous Waste Code(s)				
D006 D005 D010								
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated ir	2011	G.Waste	
<u>G</u>	22	<u>W119</u>				0.20	minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			X	
Density <u>0.00</u> spec.gra								
Was any of this waste managed on-site?								
X No(SKIP TO SEC. 3)								
ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 2							SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Metho	lanagemer od code	t Quantity t recycled o	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
X Yes(CONTINUE TO ITEM B)								
	B. EPA ID No. of facility to which waste was shipped		C. C Met	Off-site Manager hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>FLD980711071</u>			<u>H111</u>			0.20	
Site 2								
Site 3								
Comme	ents ANALTYICAL CHEMISTRY. Oth from laboratory operations)) Waste N	er inorganic liqı ⁄lin: No minimiz	uid (spe ation	ecify in commen	ts) FROM:L	aboratory analytical was	stes (used chemicals	

ONDH, $ZOJO-OOZH$ LADITES 11/00/201	OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTII OR ENTER:	FICATION LAB	BEL		U.S. ENVIF PROTECTI	RONMENTAL	
SITE NAME LOS ALAMOS NATIONAL I	LABORATOF	RY		2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD, S	<u>SM-30</u>					
LOS ALAMOS, NM 87545			GIM	WASTE G	ENERATION	
EPA ID NO: <b>NM0890010515</b>			FORM	AND MAN	NAGEMENT	
Sec. 1 A. Waste SPENT FERRIC CH Description	HLORIDE E	ETCHANT.				
B. EPA Hazardous Waste Code(s) D002 D00	)4 D006	C. State Haz	ardous Wast	e Code(s)		
D007 D008 D010 D011						
D. Source Code	E. Form Cod	e F.Quantity G	enerated in 2	2011	G.Waste	
G04	W1 OF		2	2,036.66	minimization code	
Management Method code for Source code G25	<u>WI05</u>	UOM 3	-		<u>x</u>	
		Density				
		Density	0.0	<u>iu</u> spec.gra		
Was any of this waste managed on-site?	)				·	
Sec. 2			X No	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYSTEM 1 ON-SITE PROCESS SYSTEM 2						
On-site Management Quantity treated	, disposed, or	On-site M	lanagement	Quantity t	reated, disposed, or	
Method code recycled on-site	in 2011	Meth	od code	recycled o	on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site i	n 2011 for trea	tment, disposal, or	recycling?			
X Yes (CONTINUE TO IT	EM B)					
B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code shipp	ment ped to	D. Total quantity sh	ipped 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 or partial layers) Waste Min: No minin	n 5% acid (diluted	d but Ph <2) FROM:E	Etching(using c	austics or other meth	ods to remove layers	

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	IFICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORATO	DRY		_	2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>			CM			
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1 A. Waste MULTI-ELEMENT Description HYDROFLUORIC A	STD,10UG CID, ARS	G/M 2 SENIC	250ML - C, CHROM	NITRIC, IUM	MERCURY, S	SILVER,	
B. EPA Hazardous Waste Code(s) D002 D0	C. State Haz	ardous Wast	te Code(s)				
D009							
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
<u>G11</u>	<u>W001</u>				0.25		
Management Method code for Source code G25			UOM <u>3</u>			X	
Density 0.00 spec.gra							
Sec 2 Was any of this waste managed on-site	?						
				X N	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated Method code recycled on-site	d, disposed, o e in 2011	r	On-site Management Quantity treated, dispose recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatment	t, disposal, or	recycling?			
X Yes(CONTINUE TO I	TEM B)						
B. EPA ID No. of facility to which waste was	s shipped	C. Of Meth	ff-site Manage od code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1 UTD981552177			<u>H141</u>			0.25	
Site 2							
Site 3							
Comments Lab packs with no acute hazard chemicals or products (Unused prod	Site 3       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						

OMB#: 2050-0024 Expires 11/30/2011 BEFORE COPYING FORM. ATTACH SITE IDENTI	FICATION LAB	EL	U.S. ENVIRONMENTAL				
OR ENTER:				PROTECTI	ON AGENCY		
SITE NAME LOS ALAMOS NATIONAL BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>	<u>Y</u>	GM FORM	2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION IAGEMENT			
Description	ORROSIVE,	LIQUID, 1	FOXIC (A	CIDS)			
B. EPA Hazardous Waste Code(s) D002 D0	C. State Ha	zardous Wast	e Code(s)				
D007							
D. Source Code	D. Source Code E. Form Code			2011	G.Waste		
G11 Management Mathed code for Source code C25	<u>W001</u>			6.62	v		
		UOM <u>3</u>		2	<u>A</u>		
Density <u>0.00</u> spec.gra							
Sec. 2 Was any of this waste managed on-site?							
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated Method code recycled on-site	d, disposed, or a in 2011	On-site I Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for treati	ment, disposal, or	r recycling?				
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011		
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>6.62</u>		
Site 2							
Site 3							
Site 3							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]	·	
	LOS ALAMOS, NM 87545				GM	WASTE GI	ENERATION	
EPA ID	NO: <b>NM0890010515</b>				FORM		IAGEMENT	
Sec. 1	A. Waste LAB STANDARD. Description	ARSENIC	C AN	D NITRIC	ACID (	D002 AND D0	04)	
B. EPA I	B. EPA Hazardous Waste Code(s) D002 D004 C. State H				ardous Wast	e Code(s)		
D. Sourc	D. Source Code E. Form Code F.Qua			F.Quantity G	enerated in 2	2011	G.Waste	
G	<u>11</u>	<u>W001</u>				0.22	minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
. Densit				Density	0.0	<u>0</u> spec.gra		
	Was any of this waste managed on-site?	?						
Sec. 2	, ,				X No	O(SKIP TO S	EC. 3)	
I	ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011				
Soc. 3	A Was any of this waste shipped off site	in 2011 for tre	atmer	nt disposal or	recycling?			
Sec. 5	X Yes (CONTINUE TO IT	TEM B)	sauner					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity shi	pped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.22	
Site 2								
Site 3								
Comme	ents Lab packs with no acute hazard	ous waste (fror	m any s	ource) FROM:E	)iscarding off-s	pecification, out-of-da	te, and/or unused	
	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							

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste PRECIPITATED SC Description ACTIVITIES WILD	OLIDS IN L BE NOT	I AQ Fed	UEOUS/AC ON CWDR.	ID SOL	UTION. ISOTO	PES &
B. EPA Hazardous Waste Code(s) D002 D005 D006 C. State H					ardous Wa	ste Code(s)	
D007 D011							
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	22	W105			<u>1.13</u> minimizati		
Manage	ment Method code for Source code G25			UOM <u>3</u> <u>X</u>			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
800.2	Was any of this waste managed on-site?	>					
Sec. 2					XI	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS1	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>FLD980711071</u>			<u>H111</u>			1.13
Site 2							
Site 3							
Commo	Acidic aqueous wastes less than laboratory operations)) Waste Min: N	n 5% acid (dilut lo minimization	ed but	Ph <2) FROM:L	aboratory ar	alytical wastes (used c	nemicals from

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste LAB STANDARD. Description	BARIUM	AND	NITRIC	ACID (I	0002 AND D00	5)	
B. EPA Hazardous Waste Code(s) D002 D005 C. Stat				C. State Haz	zardous Was	ste Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>				34.48		
Manage	ment Method code for Source code G25			UOM <u>3</u>			X	
				Density	0.	<u>00</u> spec.gra		
<b>C c c c</b>	Was any of this waste managed on-site?	>						
Sec. 2					X N	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, c in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in <b>2011 for tre</b> TEM B)	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			34.48	
Site 2								
Site 3								
Commo	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							

OMB#: 20	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION L/	ABEL			PROTECT	ON AGENCY	
SITE NAI	ME <u>los alamos national</u> 1	LABORAT	ORY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]		
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste CORROSIVE EVAP Description ACTINIDE SALTS	ORATOR I AND RCI	BOTT( RA H	OMS AND EAVY MET	PROCESS ALS	DISTILLATE	S WITH	
B. EPA H	B. EPA Hazardous Waste Code(s)       D002 D006 D007       C. State				ardous Wast	te Code(s)		
D008 D009								
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
G	G09 W119			<u>1,625.00</u> minimization code				
Managen	nent Method code for Source code G25	<u> </u>		UOM 6			<u>X</u>	
	. Dens				1.3	<u>80</u> spec.gra		
	Was any of this waste managed on-site?	2						
Sec. 2	X Yes(CONTINUE TO ON-	SITE PR	OCES	SS SYSTEN	41)			
	ON-SITE PROCESS SYST	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, c in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
<u>H11</u>	<u>11</u>	<u>4,996.</u>	00					
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmen	it, disposal, or	recycling?			
	P EPA ID No. of facility to which waste was	shinned		X NO (F	ment	COMPLETE)		
	D. EFA ID NO. OF facility to which waste was	snippeu	Metl	hod code shipp	bed to	D. Total quantity sh	ipped in 2011	
Site 1								
Site 2								
Site 3								
Comme	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							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATO	<u>DRY</u>		2011 Hazardous Waste Report			
EPA ID	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>5M-30</u>			GM FORM	WASTE G	ENERATION IAGEMENT	
Sec. 1	A. Waste SPENT MULTI EL: Description	EMENT SI	rand <i>i</i>	ARD, SUF	'URIC AN	D HDROCHLOR	IC ACID	
B. EPA I	B. EPA Hazardous Waste Code(s) D002 D006 D008 C. Se				ardous Wast	te Code(s)		
D007								
D. Sourc	. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
<u>G</u> Manager	22 ment Method code for Source code G25	<u>W119</u>				<u>49.89</u>	X	
Management Method code for Source code G25				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)						
060. 2					X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	<b>EM 1</b>		_	0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	in 2011	r	On-site Meth	/anagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatment	t, disposal, or	recycling?	COMPLETE)		
	B. EPA ID No. of facility to which waste was	shipped	C. O Meth	ff-site Manage nod code ship	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1								
Site 2								
Site 3								
Comme	Site 3       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							

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LABE	EL		PROTECTI	ONMENTAL ON AGENCY		
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	Y		2011 Hazardo	ous Waste Report		
BIKINI ATOLL ROAD,	<u>SM-30</u>						
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>			FORM	AND MAN	IAGEMENT		
Sec. 1 A. Waste FERRIS AMMONIU	M SULFATE	STANDARD	0.250 N				
B. EPA Hazardous Waste Code(s)	C. State Haz	zardous Wast	e Code(s)				
			( )				
D. Source Code	E Quantity G	enerated in '	2011	G.Waste			
	C11 E. Form Code			0.25	minimization code		
Management Method code for Source code G25	<u>100W</u>			0.25	х		
		Denoity			_		
	Density <u>0.00</u> spec.gra						
Was any of this waste managed on-site	?						
Sec. 2			X No	O(SKIP TO S	EC. 3)		
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated	d, disposed, or	On-site N	/lanagement	Quantity t	reated, disposed, or		
Method code recycled on-site	ein 2011	Meth	Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatr	nent, disposal, or	recycling?				
X Yes (CONTINUE TO ITEM B)							
X Yes (CONTINUE TO I	FEM B)						
X         Yes (CONTINUE TO IT           B. EPA ID No. of facility to which waste was	IEM B)	C. Off-site Manage Method code shipp	ment ped to	D. Total quantity sh	pped in 2011		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177	IEM B)	C. Off-site Manage Method code shipp <u>H040</u>	ped to	D. Total quantity sh	ipped in 2011 0.25		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2	IEM B)	C. Off-site Manage Method code shipp <u>H040</u>	ment ped to	D. Total quantity sh	opped in 2011		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3	IEM B)	C. Off-site Manage Method code shipp <u>H040</u>	ment ped to	D. Total quantity sh	opped in 2011		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3	rem B)	C. Off-site Manage Method code shipp <u>H040</u>	Piecerdina official	D. Total quantity sh	ipped in 2011 <u>0.25</u>		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3         Comments       Lab packs with no acute hazard chemicals or products (Unused products)	CEM B) s shipped	C. Off-site Manage Method code shipp <u>H040</u> ny source) FROM:[ nd P listed wastes)	Discarding off-s	D. Total quantity shi	te, and/or unused		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3         Comments       Lab packs with no acute hazard chemicals or products (Unused products)	IEM B) s shipped	C. Off-site Manage Method code shipp <u>H040</u> ny source) FROM:E nd P listed wastes)	Discarding off-s	D. Total quantity shi	te, and/or unused		
X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         Site 1       UTD981552177         Site 2         Site 3         Comments       Lab packs with no acute hazard chemicals or products (Unused products)	EEM B) s shipped	C. Off-site Manage Method code shipp H040	Discarding off-s Waste Min: No	D. Total quantity shi	te, and/or unused		

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>ORY</u>		_	2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste NITRIC AND SUL Description NITRATE, AND W	FURIC AC ATER.	CIDS	WITH IR	RON, CH	 IROMIUM, NICH	KEL, SODIUM	
B. EPA Hazardous Waste Code(s) D002 D007			C. State Haz	zardous Wa	aste Code(s)			
D. Sourc	Source Code E. Form Code F.			F.Quantity G	Generated in	า 2011	G.Waste	
G	03	<u>W103</u>				81.60		
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
. De				Density	0.	<u>.00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)						
Sec. 2					X	No(SKIP TO S	SEC. 3)	
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	i, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	TEM B)		· · ·	, ,			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	hipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			81.60	
Site 2								
Site 3								
Comme	ents Spent concentrated acid FROM minimization	Plating and pl	hosphat	ting (electro- or	non-electrop	lating or phosphating) N	Waste Min: No	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION L/	ABEL			U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORAT	ORY			_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
	LOS ALAMOS, NM 87545					WASTE G	ENERATION
EPA IL 	NO: <u>NM0890010515</u>				FORIN		NAGEMENI
Sec. 1	A. Waste SPENT INORGANI Description CHROMIUM	C VENTU	RES	STANDARD	) LANL-(	 CAL-13 - NIT	'RIC,
B. EPA Hazardous Waste Code(s)       D002 D007       C. State H				C. State Haz	zardous Was	ste Code(s)	
D. Sourc	. Source Code E. Form Code F.Quantity			F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W001</u>				1.26	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
. Density					0.	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	)		•			
Sec. 2					X N	IO(SKIP TO S	EC. 3)
·'	ON-SITE PROCESS SYS	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, c in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
				 / !! !			
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	n 2011 for tre CEM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ped to	D. Total quantity sh	ipped in 2011
Site 1	UTD981552177			<u>H040</u>			1.26
Site 2							
Site 3							
Comme	Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (froi ict - Including I	l m any s U and F	source) FROM: Plisted wastes)	Discarding off- Waste Min: N	-specification, out-of-da lo minimization	te, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY				
SITE NA	ME <u>los alamos national i</u>	LABORATC	RY		2011 Hazardous Waste Report				
	BIKINI ATOLL ROAD, S	<u>SM-30</u>							
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION		
EPA II	NO: <u>NM0890010515</u>				FORM		NAGEMENT		
Sec. 1	A. Waste SODIUM DICHROM	ATE SOLU	JTIO	N WITH T	ITANIU	Μ.			
B. EPA Hazardous Waste Code(s) D002 D007 C. State H				C. State Haz	ardous Wa	ste Code(s)			
D. Source Code E. Form Code F.Quantity				F.Quantity G	enerated in	2011	G.Waste		
<u>G</u>	22	<u>W103</u>		<u>1.30</u> minimization cod					
Manage	ment Method code for Source code G25			UOM <u>3</u>			X		
Dens					0.	<u>00</u> spec.gra			
00	Was any of this waste managed on-site?	)							
Sec. 2					X I	No(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	Г <b>ЕМ</b> 1				ON-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	nt, disposal, or	recycling?				
-	X Yes(CONTINUE TO II	TEM B)							
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011		
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.30</u>		
Site 2									
Site 3									
Comm	Comments Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization								

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <b>NM0890010515</b>				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste CHROMIC ACID, I Description ACID, WATER US	HYDROFLU ED AS A	JORI CHE	C ACID, MICAL PO	HYDROC LISH.	HLORIC ACID,	NITRIC	
B. EPA I	Hazardous Waste Code(s) D002 D00	07		C. State Haz	ardous Wa	ste Code(s)		
D. Sourc	D. Source Code E. Form Code F.Quantity C			F.Quantity G	enerated in	2011	G.Waste	
G	22	W105				0.09	minimization code	
Manager	nent Method code for Source code G25			UOM 3			X	
				Density	0.	00 spec.gra		
						<u> </u>		
Sec 2	Was any of this waste managed on-site?	?						
000.2					X I	NO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o vin 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
		2011		Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X YES (CONTINUE TO T	EEM B)	6.0	)ff-site Manage	ment			
	B. EPA ID NO. OF facility to which waste was	s snipped	Met	hod code shipp	bed to	D. Total quantity sh	ipped in 2011	
Site 1	「「「「」」の1981552177			H040			0.09	
011-0	<u></u>			<u>110 10</u>			<u></u>	
Site 2								
Site 3								
Comme	ents Acidic aqueous wastes less that	n 5% acid (dilut	ted but	Ph <2) FROMI	aboratory ar	alutical wastes (used c	hemicals from	
	laboratory operations)) Waste Min: N	lo minimization	n N	TIT ZJ TROWLL	aboratory al	าลางแปลา พลอเฮอ (นอฮน ป		

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				U.S. ENVIE PROTECTI	ONMENTAL	
SITE NA	SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u>				2011 Hazardo	ous Waste Report	
EPA ID NO:     NM0890010515       FORM     AND MANAGEME					AGEMENT		
Sec. 1 A. Waste AQUEOUS ETCH SOLUTION WITH SULFURIC ACID AND CHROMIC ACID. Description							
B. EPA I	B. EPA Hazardous Waste Code(s) D002 D007			C. State Hazardous Waste Code(s)			
D. Sourc	ce Code	E. Form Code	F.Quantity C	Generated in 2	2011	G.Waste	
G	22	<u>W113</u>			3.70		
Manager	ment Method code for Source code G25		UOM <u>3</u>			X	
			. Density	0.0	<u>0</u> spec.gra		
Sec. 2	Sec. 2 Was any of this waste managed on-site? X No(SKIP TO SEC. 3)						
	ON-SITE PROCESS SYST	FEM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for treatn CEM B)	nent, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	s shipped C	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>			<u>3.70</u>	
Site 2							
Site 3							
Comme	ents Other aqueous waste or wastew operations)) Waste Min: No minimiza	aters (fluid, not slu ation	dgy) FROM:Labo	ratory analytica	wastes (used chemic	als from laboratory	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]	·
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO:     NM0890010515       FORM     AND MANA						IAGEMENT	
Sec. 1	Sec. 1 A. Waste LAB STANDARD. LEAD AND NITRIC ACID (D002 AND D008) Description						
B. EPA I	Hazardous Waste Code(s) D002 D00	08		C. State Haz	ardous Was	te Code(s)	
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	W001				0.22	minimization code
Manager	ment Method code for Source code G25			UOM 3			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on site?	)					
Sec. 2	was any of this waste managed on-site				X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	FEM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	I, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity shi	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.22
Site 2							
Site 3							
Comme	Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including L	m any s J and F	cource) FROM:D Plisted wastes)	Discarding off-s	specification, out-of-da o minimization	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				]	•
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO:     NM0890010515       FORM     AND MANAGE					AGEMENT		
Sec. 1	A. Waste TWO GEL CELL LI Description LIGHTING CONTAI	EAD ACII MINTED V	D BA WITH	TTERIES H3	REMOVED	FROM EMERG	ENCY
B. EPA	3. EPA Hazardous Waste Code(s) D002 D008 C. State				zardous Wast	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>19</u>	<u>W309</u>				232.02	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
00	Was any of this waste managed on-site?	,					
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	FLD980711071			<u>H111</u>			<u>6.80</u>
Site 2	<u>UTD981552177</u>			<u>H141</u>			154.22
Site 3	<u>UTD982598898</u>			<u>H132</u>			<u>71.00</u>
Commo	ents REMOVAL OF GEL CELL/GELLED ( otherwise) FROM:Other one-time or	OR ABSORBE intermittent pro	D BATT	TERIES. Ba s(specify in com	tteries, battery ments) Waste	parts, cores, casings Min: No minimization	(lead-acid or

OMB#:	2050-0024	Expires	11/30/2011
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EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NAME LOS ALAMOS NATIONAL	LABORATO	DRY		2011 Hazardous Waste Report				
BIKINI ATOLL ROAD,	SM-30				]			
LOS ALAMOS, NM 87545	5			GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>		FORM	AND MAN	NAGEMENT				
Sec. 1 A. Waste FLUOROBORIC ACID WITH 60/40 TIN/LEAD.								
B. EPA Hazardous Waste Code(s) D002 D0	08		C. State Haz	ardous Wast	e Code(s)			
D. Source Code	E. Form Co	de	F.Quantity G	enerated in 2	2011	G.Waste		
<u>G22</u>	<u>W103</u>				3.30	minimization code		
Management Method code for Source code G25			UOM <u>3</u>			X		
			Density	0.0	<u>0</u> spec.gra			
Sec. 2 Was any of this waste managed on-site	?			X No	D(SKIP TO S	EC. 3)		
ON-SITE PROCESS SYS	STEM 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treate Method code recycled on-sit	d, disposed, or e in 2011	r	On-site M Metho	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	atment	t, disposal, or	recycling?				
X Yes(CONTINUE TO I	TEM B)							
B. EPA ID No. of facility to which waste wa	as shipped	C. O Meth	ff-site Manager nod code shipp	ment ed to	D. Total quantity sh	ipped in 2011		
Site 1 <u>UTD981552177</u>			<u>H040</u>			<u>3.30</u>		
Site 2								
Site 3								
Comments Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization								

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVII PROTECT	RONMENTAL ION AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAI	NAGEMENT
Sec. 1	A. Waste BROKEN LEAD AC Description	ID BATTI	ERY.				
B. EPA I	Hazardous Waste Code(s) D002 D00	08		C. State Haz	ardous Wa	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	W119				<u>168.73</u>	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site	?					
					X I	NO(SKIP TO S	SEC. 3)
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2
Me	ethod code recycled on-site	a, disposed, o e in 2011	1	Method code recycled on-site in 2011			on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmen	it, disposal, or	recycling?		
	X Yes (CONTINUE TO I	L'E'M B)		off oito Managa	mant		
	B. EPA ID No. of facility to which waste was	s shipped	Met	hod code shipp	bed to	D. Total quantity sh	nipped in 2011
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							
Comme	LEAD ACID BATTERY DISPOSITIO inorganic liquid (specify in comments No minimization	N CONDUCTE	D WITH	IIN WEAPONS nalytical wastes	FACILITIES (used chemi	OPERATION (WFO) D icals from laboratory op	IVISION. Other perations)) Waste Min:

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		AGEMENT
Sec. 1 A. Waste LAB STANDARD. MERCURY AND NITRIC ACID (D002 AND D009) Description							
B. EPA I	. EPA Hazardous Waste Code(s) D002 D009 C. State H			C. State Haz	ardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in 2	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W001</u>				0.22	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>00</u> spec.gra	
800.2	Was any of this waste managed on-site?	?					
Sec. 2					X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o ⊧in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt. disposal. or	recvclina?		
	X Yes(CONTINUE TO II	TEM B)			, ,		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	UTD981552177			<u>H040</u>			0.22
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including L	n any s J and P	cource) FROM:E Plisted wastes)	Discarding off-s Waste Min: No	specification, out-of-da	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			D.S. ENVIR PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	RY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					•
LOS ALAMOS, NM 87545			GM	WASTE GI	ENERATION		
EPA ID NO:     NM0890010515       FORM     AND MANAGEME					IAGEMENT		
Sec. 1	Sec. 1 A. Waste MIXTURE OF MERCURY AND SOIL COVERED WITH WATER Description						
B. EPA I	EPA Hazardous Waste Code(s) C. S			e Haz	ardous Wast	e Code(s)	
D. Sourc	Code E. Form Code F.Quanti			ntity G	enerated in 2	2011	G.Waste
<u>G</u>	22	<u>W609</u>				0.90	minimization code
Manage	ment Method code for Source code G25		UOM	3			<u>X</u>
			Densit	У	0.0	<u>0</u> spec.gra	
500.2	Was any of this waste managed on-site?	•					
Sec. 2					X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treatec ethod code recycled on-site	, disposed, or in 2011	On-	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	n 2011 for trea	atment. dispos	al. or	recvclina?		
000.0	X Yes (CONTINUE TO IT	'EM B)		,			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Ma Method code	anage shipp	ment bed to	D. Total quantity shi	pped in 2011
0.11			H111				0.90
Site 1	<u>FLD980711071</u>		<u></u>	-			
Site 1 Site 2	<u>FLD980711071</u>		<u></u>	- 			
Site 1 Site 2 Site 3	FLD980711071			-			

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					-
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	Sec. 1 A. Waste LAB STANDARD. SELENIUM AND NITRIC ACID (D002 AND D010) Description						
B. EPA I	B. EPA Hazardous Waste Code(s) D002 D010 C. State			C. State Haz	zardous Wa	aste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated i	n 2011	G.Waste
<u>G</u>	<u>11</u>	<u>W001</u>				0.22	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0	.00 spec.gra	
Sec. 2	Was any of this waste managed on-site?	>					
Sec. 2					Х	No(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treatec ethod code recycled on-site	l, disposed, o in 2011	pr	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt. disposal, or	recyclina?		
000.0	X Yes (CONTINUE TO IT	TEM B)		,			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.22
Site 2							
Site 3							
Commo	E Lab packs with no acute hazard chemicals or products (Unused produ	lous waste (fror uct - Including l	m any s U and F	ource) FROM: Plisted wastes)	Discarding o Waste Min:	ff-specification, out-of-da No minimization	ate, and/or unused

	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL	]	U.S. ENVIR	ONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL	LABORATC	<u>NRY</u>		2011 Hazardo	ous Waste Report	
LOS ALAMOS, NM 87545 EPA ID NO: NM0890010515				GM FORM	WASTE GI	ENERATION	
	<u>NM0890010515</u>				]		
Sec. 1	Sec. 1 A. Waste LAB STANDARD. SILVER, MOLYBDENUM, SILICON, NITRIC ACID AND Description TRACE HYDROFLUORIC ACID (D002 AND D011)						
B. EPA I	3. EPA Hazardous Waste Code(s) D002 D011			azardous Wast	e Code(s)		
D. Sourc	e Code	E. Form Co	de F.Quantity	Generated in 2	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>			0.45		
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>×</u>	
			. Density	0.0	<u>0</u> spec.gra		
<b>Sec. 2</b>	Was any of this waste managed on-site?	?				-	
Sec. 2				X No	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYSTEM 1				0	N-SITE PROCESS	SYSTEM 2	
On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011				On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or ⊢in 2011	· On-site Met	Management hod code	recycled c	on-site in 2011	
On-site Me	Management Quantity treated     sthod code recycled on-site	I, disposed, or in 2011	On-site Met	Management hod code	recycled c	on-site in 2011	
On-site Me	A. Was any of this waste shipped off site TX Yes (CONTINUE TO IT	i, disposed, or in 2011 in 2011 for tre	atment, disposal, o	Management hod code r recycling?	recycled c	on-site in 2011	
On-site Me	e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste	i, disposed, or in 2011 in 2011 for tre FEM B) s shipped	C. Off-site Manag Method code ship	Management hod code r recycling? ement oped to	D. Total quantity shi	pped in 2011	
On-site Me Sec. 3 Site 1	e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site in       X         Yes (CONTINUE TO IT       B.         B. EPA ID No. of facility to which waste was       UTD981552177	in 2011 for tre TEM B)	On-site Met atment, disposal, o C. Off-site Manag Method code ship <u>H040</u>	Management hod code r recycling? ement oped to	D. Total quantity shi	ipped in 2011	
On-site Me Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site in X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	On-site Met atment, disposal, o C. Off-site Manag Method code ship <u>H040</u>	Management hod code r recycling? ement oped to	D. Total quantity shi	pped in 2011	
On-site Me Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site in X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	On-site Met atment, disposal, o C. Off-site Manag Method code ship <u>H040</u>	Management hod code r recycling? ement oped to	D. Total quantity shi	pped in 2011	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATC	<u>NRY</u>			_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM		
	LOS ALAMOS, NM 87545					WASTE G	ENERATION
EPA IL	NO: <u>NM0890010515</u>				FURIN		NAGEMENT
Sec. 1	Sec. 1 A. Waste WATER WITH NITRIC ACID AND SILVER FROM METALLIC NANOPARTICLE Description CHEMICAL SYNTHESIS OPERATIONS.						
B. EPA I	. EPA Hazardous Waste Code(s) D002 D011			C. State Haz	ardous Was	te Code(s)	
D. Sourc	e Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W105</u>				3.62	
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	l		<u> </u>			
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	atmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			3.62
Site 2							
Site 3							
Commo	Acidic aqueous wastes less than chemicals or products (Unused produ	n 5% acid (dilute lict - Including U	ed but J and P	Ph <2) FROM:[ P listed wastes)	Discarding off- Waste Min: No	specification, out-of-da o minimization	te, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATO	<u>DRY</u>		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM	WASTE C		
	NO: NM0890010515				FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste WATER WITH HYD Description SULFURIC ACID,	ROCHLORI PHOSPHO	IC A DRIC	CID, HYD ACID AN	ROFLUOI D ACETI	RIC ACID, NI IC ACID.	TRIC ACID,	
B. EPA Hazardous Waste Code(s) D002 F002 F003				C. State Haz	ardous Was	ste Code(s)		
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
<u>G</u> Managai	<u>19</u> ment Method code for Source code C25	<u>W105</u>				2.26	v	
lvianaye	Then Method Code for Source code G25			UOM <u>3</u>			<u>~</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	>						
					XN	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	<b>FEM 1</b>		<b>0</b> // 1	(	DN-SITE PROCESS	SYSTEM 2	
On-site Me	ethod code code code code code code code co	in 2011	)r	Method code recycled on-site in 2011			on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmen	it, disposal, or	recycling?			
	X Yes(CONTINUE TO II	TEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Context Con		D. Total quantity shipped in 2011		
Site 1	<u>ARD069748192</u>			<u>H040</u>			2.26	
Site 2								
Site 3								
Comme	ACIDS USED TO PROCESS AND C	LEAN SAMPLE	ES.	Acidic aqueous	wastes less	than 5% acid (diluted b	ut Ph <2)	
		processes(spe	ecity in o	comments) vvas	ste Min: No m	Inimization		

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CM			
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA II	NO: <b>NM0890010515</b>				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste WATER WITH HYD Description PHOSPHORIC ACI	ROCHLORI D AND AG	IC A CETI	CID, NIT C ACID.	RIC ACI	D, SULFURIC	C ACID,	
B. EPA Hazardous Waste Code(s) D002 F002				C. State Haz	ardous Wast	te Code(s)		
D. Sour	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste	
G	19	W105		-		2.26	minimization code	
Manage	ment Method code for Source code G25	<u>MI05</u>		UOM 3			<u>X</u>	
				<u> </u>	0 0	0 anec ara		
				Denoty	0.0	<u>no</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2	
On-site	e Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed			reated, disposed, or	
		2011						
l	1							
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes (CONTINUE TO T	LEM B)		)ff site Manage	mont			
	B. EPA ID No. of facility to which waste was	s snippea	Met	hod code shipp	ed to	D. Total quantity sh	ipped in 2011	
Site 1	ARD069748192			<u>H040</u>		2.26		
Site 2								
Site 3								
Comm	ents ACIDS USED TO PROCESS AND C	LEAN SAMPLI	ES.	Acidic aqueous	wastes less t	han 5% acid (diluted b	ut Ph <2)	
	FROM:Other one-time or intermittent	processes(spe	ecify in o	comments) Was	ste Min: No mi	nimization		

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	<u>DRY</u>		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CM		-	
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	IAGEMENT	
Sec. 1	Description ML)							
B. EPA I	Hazardous Waste Code(s) D002 U10	)3		C. State Haz	ardous Wast	e Code(s)		
D. Sourc	Source Code E. Form Code			F.Quantity G	enerated in 2	2011	G.Waste	
G	11	MO 0 1				1.81	minimization code	
Manager	ment Method code for Source code G25	<u>11001</u>		UOM 3 X			<u>X</u>	
				Density	0 0	0 spec ara		
					0.0	<u>o</u> spee.gra		
Sec. 2	Was any of this waste managed on-site?	2						
Sec. 2					X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed, or				
IVIE		2011		weun	ou code	Tecycleu d		
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes (CONTINUE TO I	LEM B)		Off site Manage	mont			
	B. EPA ID NO. OF facility to which waste was	s snipped	Met	hod code shipp	bed to	D. Total quantity sh	pped in 2011	
Site 1	UTD981552177			Н040			1.81	
Site 2				<u></u>				
Site 2								
Site 3								
Comme	ents Lab packs with no acute hazard	ous waste (fror	m anv s	source) FROM:	Jiscarding off-s	specification, out-of-da	te, and/or unused	
	chemicals or products (Unused produ	uct - Including l	U and F	Plisted wastes)	Waste Min: No	minimization		

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD, S	LABORATO SM-30	<u>RY</u>			2011 Hazardo	ous Waste Report	
EPA ID	LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>				FORM	WASTE G AND MAN	ENERATION NAGEMENT	
Sec. 1	A. Waste FORMIC ACID 889 Description	20				<u></u>		
B. EPA Hazardous Waste Code(s) D002 U123 C.				C. State Haz	zardous Was	te Code(s)		
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste	
G	11	W001				<u>33.38</u>	minimization code	
Manager	ment Method code for Source code G25	<u></u>		UOM 3			X	
				Density <u>0.00</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			C	ON-SITE PROCESS	SYSTEM 2	
On-site Management Method code Quantity treated, disposed, or recycled on-site in 2011				On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Management Method code shipped to		ment bed to	D. Total quantity shipped in 2011		
Site 1	<u>UTD981552177</u>			<u>H040</u>			33.38	
Site 2								
Site 3								
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from ct - Including U	n any s I and F	cource) FROM:D Plisted wastes)	Discarding off- Waste Min: N	specification, out-of-da o minimization	te, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVI PROTECT	RONMENTAL ION AGENCY
SITE NA	ENAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u>					2011 Hazard	ous Waste Report
EPA ID	D NO: <u>NM0890010515</u>				FORM	AND MAI	NAGEMENT
Sec. 1	A. Waste HYDROFLUORIC A	CID 47-5	51%				
B. EPA I	Hazardous Waste Code(s) U134 D00	)2		C. State Haz	ardous Was	ste Code(s)	
D. Sourc <u>G</u> Manager	ce Code <u>11</u> ment Method code for Source code G25	E. Form Co <u>W001</u>	ode	F.Quantity G UOM <u>3</u> Density	enerated in	2011 <u>2.10</u> 00 spec.gra	G.Waste minimization code <u>X</u>
Sec. 2	Was any of this waste managed on-site?	, ,			X N	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	EM 1			(	ON-SITE PROCESS	SYSTEM 2
ON-SITE PROCESS SYSTEM 1         ON-SITE PROCESS SYSTEM 1           On-site Management         Quantity treated, disposed, or Method code         On-site Management         Quantity treated, disposed, or recycled on-site in 2011					treated, disposed, or on-site in 2011		
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> TEM B)	eatment	t, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Management Method code shipped to		ment bed to	D. Total quantity shipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			2.10
Site 2							
Site 3							
Comme	Ents Lab packs with no acute hazard chemicals or products (Unused produ	Lous waste (fron lict - Including L	m any sc J and P	burce) FROM:[ listed wastes)	I Discarding off- Waste Min: N	-specification, out-of-da lo minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	LABORATC SM-30	<u>DRY</u>		GM	2011 Hazardo	ous Waste Report	
EPA ID	PA ID NO: <u>NM0890010515</u>				FORM	WASTE G AND MAN		
Sec. 1	A. Waste HYDORFLUORIC AC Description	CID						
B. EPA I	Hazardous Waste Code(s) D002			C. State Haz	ardous Wast	e Code(s)		
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste	
G	09	W105				0.02	minimization code	
Manager	Management Method code for Source code G25			UOM 3			X	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	Quantity f recycled o	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Managem Method code shippe		ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.02	
Site 2								
Site 3								
Comme	HYDROFLUORIC ACID USED IN LA FROM:Other production or service-re No minimization	I BORATORY P lated processe:	ROCES	SS Acidic a e the waste is a	l queous wastes direct outflow	s less than 5% acid (d or result - specify in c	iluted but Ph <2) omments) Waste Min:	
OMB#: 2	050-0024 Expires 11/30/2011							
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ION AGENCY		
SITE NA	ME <u>los alamos national</u> 1	LABORATO	DRY			2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					·	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAR	NAGEMENT	
Sec. 1	A. Waste SMALL AMOUNT () Description ELECTROCHEMICA WIRES.	5ML) NAC LLY ETCH	OH ( 1 SM	SODIUM H ALL META	YDROXI L (TUN	DE) IS USED GSTEN OR PLA	TO ATINUM)	
B. EPA	Hazardous Waste Code(s) D002			C. State Haz	ardous Wa	ste Code(s)		
		I						
D. Source	ce Code	E. Form Co	ode	F.Quantity G	enerated ir	2011	G.Waste minimization code	
<u>G</u>	<u>09</u>	<u>W113</u>				<u>0.11</u>	37	
wanage	ment Method code for Source code G25			UOM <u>3</u>			<u>A</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?							
000.2					XI	NO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site M Meth	lanagemen od code	t Quantity f recycled o	treated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	TEM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.11	
Site 2								
Site 3								
Commo	Comments         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							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATO	<u>DRY</u>				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM	1		
	$\frac{\text{LOS ALAMOS, NM 87545}}{\text{NO}}$				FOR	M		
	<u>NM0890010515</u>							
Sec. 1	A. Waste NITRIC ACID 35 Description	-48%WATI	ER 5	0-60%CAR	BON 2	2 - 5 5	0	
B. EPA I	Hazardous Waste Code(s) D002			C. State Haz	ardous V	Naste	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated	d in 2	2011	G.Waste minimization code
<u>G</u>	09 mont Mathad and a far Source and C25	<u>W119</u>					8.00	v
wanagei	ment method code for Source code G25			UOM <u>3</u>				<u>A</u>
				Density	(	0.0	<u>0</u> spec.gra	
00	Was any of this waste managed on-site?							
Sec. 2					Х	Nc	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				O	N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
					00 0000			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling	q?		
	X Yes(CONTINUE TO II	'EM B)				_		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to		D. Total quantity shi	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				8.00
Site 2								
Site 3								
Comm			<u> </u>	Otherinergenie	liquid (op.			Other production or
Comm	service-related processes(where the	waste is a dire	ct outflo	ow or result - spe	ecify in co	mmer	nts) Waste Min: No m	ninimization

OMB#: 2050-0024 Expires 11/30/2	011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NA	TE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazardo	ous Waste Report	
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste EPOXICURE HARD Description	ENER (2	BOT	TLES)				
B. EPA I	Hazardous Waste Code(s) D002			C. State Haz	ardous Was	ste Code(s)		
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste	
G	<u>11</u>	<u>W001</u>				<u>522.91</u>		
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?						
					XN	IO(SKIP TO S	EC. 3)	
On-site	ON-SITE PROCESS SYST	TEM 1	r	On-site M	Management Quantity treated, disposed, or			
Me	ethod code recycled on-site	in 2011		Meth	od code	recycled	on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	atmen	it, disposal, or	recycling?			
	X Yes(CONTINUE TO II	TEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>ARD069748192</u>			<u>H040</u>		1.02		
Site 2	<u>UTD981552177</u>			<u>H040</u>			<u>520.77</u>	
Site 3	FLD980711071	980711071		<u>H121</u>	0.50		0.50	
Site 4	FLD980711071			<u>H141</u>			0.61	
Comme	chemicals or products (Unused produ	ous waste (fron uct - Including L	n any s J and P	ource) FROM:D listed wastes)	Discarding off Waste Min: N	-specification, out-of-da lo minimization	te, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazardo	ous Waste Report	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste EXPIRED STANDAN Description	RD					
B. EPA I	Hazardous Waste Code(s) D002			C. State Haz	ardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in 2	2011	G.Waste
G	<u>11</u>	<u>W103</u>				0.12	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.0	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	ıt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	'EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>FLD980711071</u>			<u>H111</u>			0.12
Site 2							
Site 3							
Comme	ents Spent concentrated acid FROM - Including U and P listed wastes) Wa	Discarding off aste Min: No m	f-specifi ninimiza	cation, out-of-da ition	ate, and/or unu	sed chemicals or proc	lucts (Unused product

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECT	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30				CM	2011 Hazardo	ous Waste Report
LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>				FORM	WASTE G AND MAN	ENERATION NAGEMENT
Sec. 1 A. Waste EXPIRED STANDA Description	RD		]		<u></u>	
B. EPA Hazardous Waste Code(s) D002			C. State Haz	ardous Wast	e Code(s)	
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in 2	2011	G.Waste
<u>G11</u>	W105				0.12	minimization code
Management Method code for Source code G25			UOM <u>3</u>			<u>X</u>
			Density	0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?				X No	o(SKIP TO S	EC. 3)
ON-SITE PROCESS SYST	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	l, disposed, o in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	t, disposal, or	recycling?		
X Yes (CONTINUE TO IT	CEM B)					
B. EPA ID No. of facility to which waste was	shipped	C. O Metl	hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1 <u>FLD980711071</u>			<u>H121</u>			0.12
Site 2						
Site 3						
Comments Acidic aqueous wastes less than chemicals or products (Unused produ	n 5% acid (dilut uct - Including l	ted but I U and P	Ph <2) FROM:E listed wastes) '	Discarding off-s Waste Min: No	specification, out-of-da minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECT	RONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u> 5M - 30</u>				]	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID N	<sup>IO:</sup> <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1 A. Waste HYDROCHLORIC ACID AND WATER SOLUTION Description							
B. EPA Ha	zardous Waste Code(s) D002			C. State Haz	ardous Was	te Code(s)	
D. Source (	Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
<u>G22</u>	2	<u>W103</u>				109.86	minimization code
Manageme	nt Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.(	<u>)0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?							
	ON-SITE PROCESS SYST	EM 1			C	ON-SITE PROCESS	SYSTEM 2
On-site M Meth	lanagement Quantity treated od code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	Quantity frecycled	reated, disposed, or on-site in 2011
Sec. 3 A.	. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> 'EM B)	atmer	nt, disposal, or	recycling?		
B	. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	UTD981552177			<u>H040</u>			<u>109.86</u>
Site 2							
Site 3	Site 3						
Comments Spent concentrated acid FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization							

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL	LABORAT	<u>ORY</u>			_ 2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
	<u> </u>			FORM		
<u>NM0890010515</u>						
Sec. 1 A. Waste ALCL3, CUBR, Description PROCESS. (ALU (II) BROMIDE,	CUBR2, B MINUM TR BORON T	BR3, ICHL RIBR	NANO2, ORIDE, C OMIDE, S	NA2SO4, COPPER ( SODIUM S	WERE USED (I) BROMIDE, SULFATE, SOD	FOR THE COPPER DIUM
B. EPA Hazardous Waste Code(s)			C. State Ha	zardous Was	te Code(s)	
D002						
D. Source Code	E. Form Co	ode	F.Quantity G	Generated in	2011	G.Waste minimization code
Managଙ୍ <u>ରିଜି</u> ଥିଛିnt Method code for Source code G25	W105		UOM		12.70	<u>x</u>
			Density <sup>3</sup>			
				0.(	<u>)0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site?						
ON-SITE PROCESS SY	STEM 1			X N	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treat Method code recycled on-s	ed, disposed, c ite in 2011	or	On-site Management Quantity treated, disposed, of Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
					-	
Sec. 3 A. Was any of this waste shipped off si	e in 2011 for tr	eatmer	nt, disposal, or	recycling?		
B. EPA ID No. of facility to which waste v	vas shipped	C. C Met	Off-site Manage hod code ship	ement ped 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						

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECTI	RONMENTAL ON AGENCY
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazardo	ous Waste Report
	LOS ALAMOS, NM 87545				GM FORM	WASTE G	ENERATION
	<u>NM0890010515</u>						NAGEMENT
Sec. 1	A. Waste MOP WATER Description						
B. EPA I	Hazardous Waste Code(s) D002			C. State Haz	ardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	22	<u>W110</u>				413.49	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	-	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment	t, disposal, or	recycling?		
	X Yes(CONTINUE TO II	CEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Of Meth	ff-site Manage od code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>413.49</u>
Site 2							
Site 3							
Comme	ents Caustic aqueous waste without o operations)) Waste Min: No minimiza	cyanides( Ph >1 ation	12.5) Fl	ROM:Laborator	ry analytical w	astes (used chemicals	from laboratory

	2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIR PROTECTI	ONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL	LABORATC	<u>PRY</u>		2011 Hazardo	ous Waste Report
	LOS ALAMOS, NM 87545	<u>5M-30</u>		GM	WASTE GI	ENERATION
EPA ID	NO: <b>NM0890010515</b>			FORM		AGEMENT
Sec. 1	A. Waste NON AQUEOUS WA Description	STE CONS	ISTING OF	PRIMARIL	Y FERRIC CH	LORIDE. X2
B. EPA I	Hazardous Waste Code(s) D002		C. State Ha	azardous Wast	e Code(s)	
		1				
D. Sourc	ce Code	E. Form Co	de F.Quantity	Generated in 2	2011	G.Waste minimization code
Managei	<u>ZZ</u> ment Method code for Source code G25	<u>WI19</u>	UOM 3		210:51	<u>X</u>
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site	?				
				X No	O(SKIP TO S	EC. 3)
On site	ON-SITE PROCESS SYS	TEM 1		0 Management	N-SITE PROCESS	SYSTEM 2
Me	ethod code recycled on-site	in 2011	Met	hod code	recycled c	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	atment, disposal, c	pr recycling?		
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO I	in 2011 for tre	atment, disposal, c	pr recycling?		
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	in 2011 for tre FEM B) s shipped	atment, disposal, c C. Off-site Manag Method code shi	pr recycling?	D. Total quantity shi	ipped in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>UTD981552177</u>	in 2011 for tre FEM B) s shipped	atment, disposal, c C. Off-site Manag Method code ship <u>H040</u>	pr recycling?	D. Total quantity shi	ipped in 2011 <u>165.15</u>
Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177 UTD981552177	in 2011 for tre FEM B) s shipped	atment, disposal, c C. Off-site Manag Method code ship <u>H040</u> <u>H141</u>	pr recycling?	D. Total quantity shi	ipped in 2011 <u>165.15</u> <u>45.36</u>
Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177 UTD981552177	in 2011 for tre TEM B) s shipped	atment, disposal, c C. Off-site Manag Method code ship <u>H040</u> <u>H141</u>	pr recycling?	D. Total quantity shi	ipped in 2011 <u>165.15</u> <u>45.36</u>

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:		U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY			
SITE NAME LOS ALAMOS NATIONAL BIKINI ATOLL ROAD,	GM	2011 Hazardo	ous Waste Report			
LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>			FORM	AND MAN	ENERATION NAGEMENT	
Sec. 1 A. Waste KPR STRIPPER SOLUTION (ALIPHATIC POLYESTER) WITH SULFUR. Description						
B. EPA Hazardous Waste Code(s) D002		C. State Ha	zardous Wast	e Code(s)		
D. Source Code	E. Form Code	F.Quantity C	Generated in 2	2011	G.Waste	
<u>G22</u>	<u>W219</u>			1.90		
Management Method code for Source code G25		UOM <u>3</u>			X	
	. Dens					
Sec. 2 Was any of this waste managed on-site	?		X No	D(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1		ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treater Method code recycled on-site	d, disposed, or e in 2011	On-site I Meth	Management nod code	Quantity t recycled o	reated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO I	in 2011 for treatn TEM B)	nent, disposal, or	r recycling?			
B. EPA ID No. of facility to which waste wa	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>1.90</u>	
Site 2						
Site 3						
Comments CHEMISTRY RESEARCH OPERAT chemicals from laboratory operations	IONS. Other or s)) Waste Min: No	rganic liquid (speci minimization	fy in comments	) FROM:Laboratory a	nalytical wastes (used	

OMB#: 2050-0024 Expires 11/30/2011				IIS ENVI	
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	RE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				
SITE NAME LOS ALAMOS NATIONAL	SITE NAME LOS ALAMOS NATIONAL LABORATORY				
BIKINI ATOLL ROAD,	<u>SM-30</u>				
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>			FORM	AND MAR	NAGEMENT
Sec. 1 A. Waste LAB TRASH (WIP Description ALUMINA CRUCIB INTERMETALLIC	ES, GLOVES LES, HEATIN COMPOUNDS,	, SAMPLE NG ELEMEN REACTIVE	TRAYS, ITS, ETC INTERM	PLASTIC, GI ) WITH TOXI ETALLIC COM	LASS, CC IPOUNDS,
B. EPA Hazardous Waste Code(s) FROM CHEMICAL	RMETALLIC (	C. State Haz	ardous Wast	EARTHS, ANI e Code(s) / ANI	OXIDES
D006 D007 D003 D00	04 D005				
D008 D009 D010 DC D. Source Code	E. Form Code	F.Quantity G	enerated in 2	2011	G.Waste minimization code
Management Method code for Source code G25 <u>G22</u>	<u>W002</u>	UOM Density <u>3</u>		<u>6.98</u>	X
Sec. 2 Was any of this waste managed on-site?	?		0.0	<u>0</u> spec.gra	
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	d, disposed, or e in 2011	On-site M Meth	Aanagement od code	⊖ (SK⊥ PoulAnity recycled (	réated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatme	ent, disposal, or	recycling?		
B. EPA ID No. of facility to which waste was X Yes (CONTINUE TO IT	s shipped C. TEM B) Me	Off-site Manage thod code ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1 <u>ARD069748192</u>		<u>H040</u>			<u>6.98</u>
Site 2					
Site 3					
Comments Contaminated debris: paper, clc analytical wastes (used chemicals fro	othing, rags, wood, er om laboratory operati	npty fiber or plast ons)) Waste Min	ic containers, g : No minimizati	glass, piping, othe FF on	ROM:Laboratory

3EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECT	RONMENTAL
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report
BIKINI ATOLL RO	DAD, SM-30					
LOS ALAMOS, NM 8	37545			GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>						NAGEMENT
Sec. 1 A. Waste UN3077 HAZ	ZARDOUS WASI	re solii	D			
B. EPA Hazardous Waste Code(s) D0	07 D006 D005	C.	State Haz	ardous Wast	e Code(s)	
D004 U044 D008 D010 D0	11 P012 D00	)3				
D. Source Code	E. Form C	Code F.C	Quantity G	enerated in 2	2011	G.Waste
<u>G11</u>	W004				22.49	minimization code
Management Method code for Source cod	e G25	U	IOM 3			<u>X</u>
		. D	ensity	0.0	<u>00</u> spec.gra	
Was any of this waste managed	I on-site?					
Sec. 2				X No	o(SKIP TO S	EC. 3)
ON-SITE PROCE	SS SYSTEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quanti Method code recycle	y treated, disposed, d on-site in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled o	treated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped	l off site in 2011 for t	reatment, di	sposal, or	recycling?		
X Yes(CONTINUE	TO ITEM B)					
B. EPA ID No. of facility to which v	vaste was shipped	C. Off-si Method	ite Manage code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1 <u>UTD981552177</u>		H	040			22.49
Site 2						
Site 3						
Comments Lab packs containing a chemicals or products (Unu	acute hazardous waste sed product - Including	(from any so U and P liste	urce) FRO ed wastes)	M:Discarding o Waste Min: No	off-specification, out-of minimization	f-date, and/or unused

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONA	LABORAT	ORY			2011 Hazard	ous Waste Report	
BIKINI ATOLL ROAD	<u>, SM-30</u>			CM			
LOS ALAMOS, NM 875	<u>15</u>			GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>				FURM		NAGEMENT	
Sec. 1 A. Waste LAB TRASH ( Description GLOVES, PLAS ETC) WITH TO	KIMWIPES, FIC BAGS, KIC METALS	PAPER TOW RUBBER ST S, TOXIC S	EL: OP: OL	S, PIPE PERS, G VENTS,	TS, SYRINGE LASS SLIDES SULFIDES, C	S, NEEDLES, , Q-TIPS, RGANIC	
B. EPA Hazardous Waste Code(s)	HOSPHINES	C. State I	SA Taza	ardous Wast	E Code(s)	ION-HAZA	
D004 D003 D008 I	0007 D006						
D009 D029 D022	D011 D01	0					
D. Source Code	E. Form Co	ode F.Quantit	y Ge	enerated in 2	2011	G.Waste minimization code	
Manag୍ <u>ଡିମ୍ସିହ</u> ିnt Method code for Source code G2	5 W002	UOM			148.78	X	
		Density <sup>3</sup>	_				
		Donoty		0.0	<u>0</u> spec.qra		
Sec. 2 Was any of this waste managed on-s	ite?						
060.2							
ON-SITE PROCESS S	YSTEM 1			X N	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity trea	ated, disposed, c site in 2011	or On-sit	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste shipped off s	ite in 2011 for tre	eatment, disposal,	or	recycling?			
B. EPA ID No. of facility to which waste	was shipped	C. Off-site Man Method code sl	ager hipp	nent ed to	D. Total quantity sh	ipped in 2011	
		нодо				148 78	
Site 1 <u>ARD069748192</u>		<u>H040</u>				<u>148.78</u>	
Site 1         ARD069748192           Site 2		<u>H040</u>				148.78	
Site 1         ARD069748192           Site 2		<u>H040</u>				<u>148.78</u>	
Site 1     ARD069748192       Site 2     Site 3       Comments     Contaminated debris: paper	, clothing, rags, wc	H040 bood, empty fiber or p	lasti	c containers, c	lass, piping, othe FF	<u>148.78</u> OM:Laboratory	

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:		PROTECTI	ONMENTAL ON AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATORY			2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>		CM			
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>			FORM		IAGEMENT	
Sec. 1 A. Waste LAB TRASH (KIMWIPES, PAPER TOWELS, PIPETS, SYRINGES, NEEDLES, Description GLOVES, PLASTIC BAGS, RUBBER STOPPERS, GLASS SLIDES, Q-TIPS, ETC.						
B. EPA Hazardous Waste Code(s) D003 D00	)4 D006	C. State Haz	zardous Wast	e Code(s)		
D007 D008 D009 D011 D010 D0	29 D022					
D. Source Code	E. Form Code	F.Quantity G	Senerated in 2	2011	G.Waste	
<u>G22</u>	<u>W203</u>			<u>149.81</u>	minimization code	
Management Method code for Source code G25		UOM <u>3</u>			<u>X</u>	
		. Density	0.0	<u>00</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?	)		V N			
ON-SITE PROCESS SYST				N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated	, disposed, or	On-site Management Quantity treated, disposed, or				
Method code recycled on-site	in 2011	Meth	od code	recycled o	on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site i	n 2011 for treatm	ent, disposal, or	recycling?			
X Yes(CONTINUE TO IT	ТЕМ В)		5			
B. EPA ID No. of facility to which waste was	s shipped C. M	Off-site Manage ethod code ship	ment ped to	D. Total quantity shipped in 2011		
Site 1 <u>ARD069748192</u>		<u>H040</u>			<u>149.81</u>	
Site 2						
Site 3						
Comments         Concentrated non-halogenated (E.G. non-chlorinated) solvent         FROM:Laboratory analytical wastes (used chemicals from laboratory operations))						

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTI	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECT	ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORAT	<u>ORY</u>				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI		WASTE G	ENERATION
EPA II	D NO: <u>NM0890010515</u>				FORM	VI		NAGEMENT
Sec. 1	A. Waste HIGH EXPLOSIVE Description GENERATED DURI	S CONTAI NG HE MA	MINA ACHI	TED FILT NING OPE	ER SO RATIOI	CK: NS	S (CLOTH AN	ID PAPER)
B. EPA	Hazardous Waste Code(s) D003 D03	30		C. State Haz	ardous W	aste	e Code(s)	
D. Sour	ce Code	E. Form Co	ode	F.Quantity G	enerated	in 2	2011	G.Waste
G	09	<u>W002</u>					126.65	minimization code
Manage	ment Method code for Source code G25			UOM <u>1</u>				<u>X</u>
				Density	ensity <u>0.00</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?	?						
Sec. Z	X Yes(CONTINUE TO ON-	SITE PR	OCES	SS SYSTEN	11)			
	ON-SITE PROCESS SYS	ГЕМ 1				0	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated ethod code recycled on-site	l, disposed, c in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
<u>H1</u>	29	<u>126.</u>	65					
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmer	nt, disposal, or	recycling	?		
				X No (F	ORM IS	S (	COMPLETE)	
	B. EPA ID No. of facility to which waste was	s shipped	C.C Met	Off-site Manage hod code shipp	ment bed to		D. Total quantity sh	ipped in 2011
Site 1								
Site 2								
Site 3								
Comm	ents HE FILTER SOCKS (WET). TREATE fiber or plastic containers, glass, pipir outflow or result - specify in comment	D ON SITE B ng, othe FROM ts) Waste Min	Y OPEN M:Other : No mir	N BURNING production or senimization	Contamina ervice-relati	ated ed p	debris: paper, clothir processes(where the v	ıg, rags, wood, empty waste is a direct

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORAT	<u>ORY</u>		·	2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPAID NO: <u>NM0890010515</u>					WASTE G	ENERATION NAGEMENT	
Sec. 1 A. Waste EXCESS HIGH EXPLOSIVES AND ASSEMBLIES CONTAINING EXPLOSIVES Description (TNT/DNT)							
B. EPA Hazardous Waste Code(s) D030 D003 C			C. State Hazardous Waste Code(s)				
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in 2	2011	G.Waste	
<u>G09</u> Management Mathed and for Source and C25	<u>W405</u>			<u>508.20</u>			
Management Method code for Source code G25			UOM <u>1</u>				
			Density	0.0	<u>)0</u> spec.gra		
Was any of this waste managed on-site	?						
X Yes(CONTINUE TO ON-	-SITE PR	OCES	SS SYSTEN	/I 1)			
ON-SITE PROCESS SYS	TEM 1			ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated recycled on-site	d, disposed, c e in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
<u>H129</u>	<u>508.</u>	20					
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tr	eatmer	nt, disposal, or X No (F	recycling? ORM IS	COMPLETE)		
B. EPA ID No. of facility to which waste wa	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1							
Site 2							
Site 3							
Comments TREATED ON SITE BY OPEN DET processes(where the waste is a dire	ONATION. ct outflow or rea	Explos sult - sp	ives or reactive ecify in commen	organic solids ts) Waste Mir	FROM:Other product 1: No minimization	ion or service-related	

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national</u> 1	LABORATO	RY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	SM-30				7	•
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM		IAGEMENT
Sec. 1	A. Waste CYANIDE. KIM Description CYANIDE ELECTRO	WIPES AN OPLATING	ID FI ; BAT	IBER FIL TH.	TERS CO	ONTAMINATED	WITH A
B. EPA	Hazardous Waste Code(s) D003 F00	)8		C. State Haz	ardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	<u>03</u>	W312				0.75	minimization code
Manage	ment Method code for Source code G25			UOM 3			<u>X</u>
				Density	0.0	00 spec.gra	
	Was any of this waste managed on-site?	)					
Sec. 2	,				X N	O (SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	-	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment	t. disposal. or	recvclina?		
	X Yes(CONTINUE TO IT	CEM B)		, , ,	, 0		
	B. EPA ID No. of facility to which waste was	shipped	C. Of Meth	ff-site Manage od code shipp	ment bed to	D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>0.75</u>
Site 2							
Site 3							
Comme	ents Cyanide or metal cyanide bearir phosphating) Waste Min: No minimiz	ig solids, salts o ation	or chem	icals FROM:PI	ating and pho	osphating (electro- or no	on-electroplating or

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>				GM FORM	2011 Hazardo WASTE G AND MAN	DUS Waste Report	
Sec. 1	A. Waste SEL-REX, CYANII Description	DE						
B. EPA I	Hazardous Waste Code(s) P030 D00	)3		C. State Haz	ardous Wast	e Code(s)		
D. Sourc <u>G</u> Manager	ce Code <u>11</u> ment Method code for Source code G25	E. Form Code <u>W004</u>		F.Quantity G UOM <u>3</u> Density	enerated in 2	G.Waste minimization code <u>X</u>		
Sec. 2	Was any of this waste managed on-site?				X No	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, oi in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	atmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	UTD981552177			<u>H040</u>			1.00	
Site 2								
Site 3								
Comme	Lab packs containing acute haza chemicals or products (Unused produ	ardous waste (f ict - Including L	rom ar J and F	ny source) FRO Plisted wastes)	I M:Discarding c Waste Min: Nc	off-specification, out-of	-date, and/or unused	

OMB#: 2	050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY				
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY				2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>							
	LOS ALAMOS, NM 87545				G	VI	WASTE GI	ENERATION	
	NO: <u>NM0890010515</u>				FOI	RM		IAGEMENT	
Sec. 1	Description								
B. EPA	B. EPA Hazardous Waste Code(s) D003 U246				ardous	Waste	e Code(s)		
D. Sourc	Source Code E. Quantity			F.Quantity G	enerate	ed in 2	2011	G.Waste	
G	11	W001		-			0.11	minimization code	
Manage	ment Method code for Source code G25	MOOL		UOM 3				<u>X</u>	
				 Density		0 0	0 spec ara		
				2 01101()		0.0	<u>o</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)							
Sec. 2					Х	No	SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	TEM 1				0	N-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o	On-site Management Quantity treated, disposed, or				reated, disposed, or		
IVI6	ethod code recycled on-site	IN 2011		Meth	od code	е	recycled c	on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt, disposal, or	recyclir	ng?			
	X Yes(CONTINUE TO I)	TEM B)							
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	hod code shipp	ment ped to		D. Total quantity shi	pped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>				0.11	
Site 2									
Site 3									
Comme	ents Lab packs with no acute hazard	ous waste (fror	n any s	ource) FROM:E	Discardir	ng off-si	pecification, out-of-da	te, and/or unused	
	chemicals or products (Unused produ	ict - Including l	J and P	Plisted wastes)	Waste N	Min: No	minimization		

OMB#: 2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	U.S. ENVIRONMENTAL PROTECTION AGENCY					
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>				2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION NAGEMENT	
Sec. 1 A. Waste HE CONTAMINATE Description	D DEBRIS					
B. EPA Hazardous Waste Code(s) D003		C. State Haz	zardous Wast	e Code(s)		
). Source Code       E. Form Code         G09       W002         Management Method code for Source code G25       You compare the second		le F.Quantity G UOM <u>1</u> Density	F.Quantity Generated in 2011     G.Waste minimization code       15.06     X       UOM 1     X       Density     0.00			
Sec. 2 Was any of this waste managed on-site X Yes (CONTINUE TO ON-	? -SITE PRO	CESS SYSTEN	M 1)			
ON-SITE PROCESS SYS         On-site Management       Quantity treated         Method code       recycled on-site         H129       H129	<b>TEM 1</b> d, disposed, or e in 2011 <u>15.0</u>	On-site M Meth	ON-SITE PROCESS SYSTEM 2           On-site Management         Quantity treated, disposed, or           Method code         recycled on-site in         2011			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for trea	atment, disposal, or X No (F	recycling? ORM IS	COMPLETE)		
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1						
Site 2						
Comments         TREATED ON SITE BY OPEN BUR wood, empty fiber or plastic containe direct outflow or result - specify in co	NING. HE CONT ers, glass, piping, omments) Waste	AMINATED WIPES A othe FROM:Other pr Min: No minimization	AND RAGS roduction or ser	Contaminated debris rvice-related processe	s: paper, clothing, rags, ss(where the waste is a	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national</u> 1	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	SM-30					·
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>		FORM	AND MAN	AGEMENT		
Sec. 1	A. Waste LAB TRASH CONT Description	AMINATEI	) WI	TH LITHI	UM HYDI	RIDE AND TMA	B.
B. EPA I	. EPA Hazardous Waste Code(s) D003			C. State Haz	ardous Was	ste Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>09</u>	W002				0.80	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
<b>Sec. 2</b>	Was any of this waste managed on-site?	,					
Sec. 2					XN	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> 'EM B)	atmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.80
Site 2							
Site 3							
Commo	PARYLENE COATING RESEARCH piping, othe FROM:Other production Waste Min: No minimization	Contamina or service-rela	ted del ted pro	bris: paper, cloth pcesses(where th	hing, rags, wo ne waste is a	od, empty fiber or plast direct outflow or result	ic containers, glass, - specify in comments)

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NA	ME LOS ALAMOS NATIONAL	LABORAT	<u>ORY</u>		2011 Hazardous Waste Report		
EPA IC	<u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u> EPA ID NO: <u>NM0890010515</u>				GM FORM	WASTE G	ENERATION NAGEMENT
Sec. 1	A. Waste EXCESS HIGH EX Description	PLOSIVE:	S FR	OM R&D A	ND/OR	PRODUCTION C	PERATIONS
B. EPA I	Hazardous Waste Code(s) D003			C. State Haz	ardous Wa	ste Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
G	09 Mathad and for Source and C25	<u>W405</u>				2,506.70	Thin in it is a code
, ,	ment method code for Source code G25			UOM <u>1</u> Density	0.	<u>00</u> spec.gra	<u>A</u>
Sec. 2	Was any of this waste managed on-site?	)					
Sec. Z	X Yes(CONTINUE TO ON-	SITE PR	OCES	SS SYSTEM	1 l)		
	ON-SITE PROCESS SYST	FEM 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, c in 2011	or	On-site ManagementQuantity treated, disposed, orMethod coderecycled on-site in2011			
<u>H1</u>	29	2,506.	70				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
				X No (F	ORM IS	COMPLETE)	
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manager hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1							
Site 2							
Site 3							
Commo	TREATED ON SITE BY OPEN BURN FROM:Other production or service-re No minimization	NING. EXCESS lated processe	S CHNO	D EXPLOSIVES e the waste is a	(NO TNT) direct outflow	Explosives or reactiv w or result - specify in co	e organic solids omments) Waste Min:

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>5M-30</u>				]	·	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	<sup>NO:</sup> NM0890010515				FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste HG ABSORB, ZINC GRANUALES @94-96%, CITRIC ACID @4-6% Description							
B. EPA I	B. EPA Hazardous Waste Code(s) D003			C. State Haz	zardous Was	te Code(s)		
D. Sourc	. Source Code E. Form Code			F.Quantity G	Generated in	2011	G.Waste	
G	11	W001				<u>39.66</u>	minimization code	
Manager	ment Method code for Source code G25	MOOL		UOM 3			<u>X</u>	
				Density	0 (	) anec ara		
				Donoty	0.0	<u>JU</u> Spec.gra		
500.2	Was any of this waste managed on-site?	,						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS1	EM 1			C	N-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	, disposed, o	or	On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	pped in 2011	
Site 1	ARD069748192			<u>H040</u>			1.99	
Site 2	UTD981552177			<u>H040</u> <u>37.67</u>			37.67	
Site 3								
Comme	ents Lab packs with no acute bazard	ous waste (from	m anv s			specification out-of-da	te and/or unused	
	chemicals or products (Unused produ	ict - Including l	U and F	Plisted wastes)	Waste Min: No	o minimization	to, ana/or andood	

OMB#: 2050-0	024 Expires 11/30/2011							
BEFORE COP OR ENTER:	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIF PROTECTI	ONMENTAL		
SITE NAME	LOS ALAMOS NATIONAL	LABORATO	RY		2011 Hazardo	ous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>		GM				
	LOS ALAMOS, NM 87545			FORM	WASTE G	ENERATION		
	<u>NM0890010515</u>							
<b>Sec. 1</b> A. W	aste DODECANE WITH '	TETRAMET.	HYLAMMONIUN	1 BOROHY	DRIDE			
B. EPA Hazar	B. EPA Hazardous Waste Code(s) D003			zardous Wast	te Code(s)			
D. Source Code E. Form Code			le F.Quantity G	Generated in 2	2011	G.Waste		
<u>G22</u>	Astheological for Oscilla and OOE	<u>W001</u>			0.80	37		
	vietnoa code for Source code G25		UOM <u>3</u>			<u>A</u>		
1			. Density	0.0	<u>)0</u> spec.gra			
Wa	s any of this waste managed on-site?	•	1					
Sec. 2				X N	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Man	agement Quantity treated	, disposed, or in 2011	On-site Meth	On-site Management Quantity treated, disposed, or				
Method			Met	Method code recycled on-site in 2011				
Sec 3 A W	as any of this waste shinned off site i	n 2011 for trac	atment disposal or	re eveling?				
Sec. 3 A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?								
	X Yes(CONTINUE TO IT	EM B)		recycling?				
B. EF	X       Yes (CONTINUE TO IT         Ya ID No. of facility to which waste was	EM B)	C. Off-site Manage	ement	D. Total quantity sh	ipped in 2011		
B. EF	X Yes (CONTINUE TO IT	EM B)	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011		
B. EF	Yes (CONTINUE TO IT A ID No. of facility to which waste was UTD981552177	EM B)	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011 <u>0.80</u>		
Site 1         Site 2	Yes (CONTINUE TO IT A ID No. of facility to which waste was <u>UTD981552177</u>	EM B)	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011 <u>0.80</u>		
Site 1         Site 2           Site 3         Site 3	Yes (CONTINUE TO IT A ID No. of facility to which waste was <u>UTD981552177</u>	EM B)	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011 <u>0.80</u>		
Site 1 Site 2 Site 3	X Yes (CONTINUE TO IT A ID No. of facility to which waste was UTD981552177	EM B)	C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity sh	ipped in 2011 <u>0.80</u>		
Site 1 Site 2 Site 3 Comments	X       Yes (CONTINUE TO IT         YA ID No. of facility to which waste was         UTD981552177         Lab packs with no acute hazard         laboratory operations)) Waste Min: N	'EM B)         shipped         uswaste (from lo minimization	C. Off-site Manage Method code ship <u>H040</u> any source) FROM:	ment ped to	D. Total quantity sh	ipped in 2011		
Site 1 Site 2 Site 3 Comments	X       Yes (CONTINUE TO IT         YA ID No. of facility to which waste was         UTD981552177         Lab packs with no acute hazard         laboratory operations)) Waste Min: N	TEM B)         Shipped         Dus waste (from lo minimization	C. Off-site Manage Method code ship <u>H040</u> any source) FROM:	ment ped to	D. Total quantity sh	ipped in 2011		

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: NM0890010515				FORM		AGEMENT
	<u>MA0090010315</u>						
Sec. 1	A. Waste DEBRIS LEGACY Description LABORATORY.	WASTE CO	ONTA	INERS GE	NERATED	THROUGHOUT	'THE
B. EPA	B. EPA Hazardous Waste Code(s) D003 C. State Ha					te Code(s)	
D. Source Code E. Guantity				E Quantity G	enerated in	2011	G.Waste
						539 00	minimization code
Manage	<u>22</u> ment Method code for Source code G25	<u>W319</u>				<u></u>	x
manago				100  M			
1				. Density	0.0	<u>)0</u> spec.gra	
		·					<u>.</u> ]
Sec. 2	was any of this waste managed on-site	? 			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
	A Man any of this works altimated off sites	in 2011 for the	4		na av talina nO		
Sec. 3	X Yes (CONTINUE TO IT	TEM B)	eatmer	it, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>			<u>152.60</u>
Site 2							
Site 3							
Comm	ents LEGACY WASTE FROM LANLSHI PROGRAM Other inorganic solic operations)) Waste Min: No minimiza	PPED TO WIP ds (specify in co ation	P IN 20	011. TRANSURA ts) FROM:Labo	ANIC WASTE ratory analytic	PROCESSING FROM al wastes (used chemi	LANLS WEAPONS cals from laboratory

OMB#: 2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	IFICATION LA	BEL	U.S. ENVIRONMENTAL PROTECTION AGENCY					
SITE NAME LOS ALAMOS NATIONAL BIKINI ATOLL ROAD,	LABORATO SM-30	RY	GM	2011 Hazardo	ous Waste Report			
LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>	<u> </u>		FORM	WASTE G	ENERATION NAGEMENT			
Sec. 1 A. Waste INORGANIC SOLIDS FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE Description CHEMICALS/PRODUCTS								
B. EPA Hazardous Waste Code(s) D007 D0	C. State Haz	zardous Wast	e Code(s)					
D004 D019 D009 D010 D011 D								
D. Source Code	E. Form Co	de F.Quantity G	Generated in 2	2011	G.Waste			
<u>G11</u>	<u>W319</u>			54.20	minimization code			
Management Method code for Source code G25		UOM <u>1</u>			<u>X</u>			
		. Density	0.0	<u>0</u> spec.gra				
Sec. 2 Was any of this waste managed on-site	?		X No	D(SKIP TO S	EC. 3)			
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2			
On-site Management Quantity treate Method code recycled on-sit	d, disposed, or e in 2011	On-site Meth	Management nod code	Quantity t recycled o	reated, disposed, or on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for trea	atment, disposal, or X NO (F	recycling?	COMPLETE)				
B. EPA ID No. of facility to which waste wa	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011			
Site 1								
Site 2								
Site 3								
Comments D021 D022 D035 D038 D039 D040 PROGRAM Other inorganic sol chemicals or products (Unused proc	Site 3       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							

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	IFICATION LAE	BEL	U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD,	LABORATOR SM-30	<u>RX</u>		2011 Hazardo	ous Waste Report		
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>			FORM				
Sec. 1 A. Waste TRU WASTE PROC Description PROGRAM (TWCP) REMEDIATING TR	ESSED UNI . INSPE( ANSURANI(	DER THE TRA CTING, PACA C WASTE FOR	ANSURANI KAGING, R WIPP.	C WASTE CER REJECTING A	TIFICATION ND		
B. EPA Hazardous Waste Code(s) D007 D00	C. State Ha	zardous Wast	e Code(s)				
D004 D008 D019 D018 D011 D0	)10 D009						
D. Source Code	E. Form Cod	e F.Quantity C	Generated in 2	2011	G.Waste		
<u>G22</u>	<u>W609</u>		6	5,495.08			
Management Method code for Source code G25		UOM <u>1</u>			X		
		. Density	0.0	<u>0</u> spec.gra			
Sec. 2 Was any of this waste managed on-site?							
ON-SITE PROCESS SYS	TFM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated Method code recycled on-site	d, disposed, or a in 2011	On-site I Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste shipped off site a X Yes (CONTINUE TO IT	in 2011 for trea TEM B)	tment, disposal, or	r recycling?				
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	pped in 2011		
Site 1         NM4890139088		<u>H132</u>			<u>5,418.00</u>		
Site 2							
Site 3							
Comments       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							

OMB#: 2050-0024 Expi	res 11/30/2011							
BEFORE COPYING FC OR ENTER:	ORM, ATTACH SITE IDENTI	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NAME LOS A	LAMOS NATIONAL :	LABORATO	<u>DRY</u>		2011 Hazardous Waste Report			
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>					GM WASTE GENERATION FORM AND MANAGEMENT			
Sec. 1 A. Waste Description	PLUTONIUM RECO OPERATIONS AND	VERY, R& MAINTEN	D P NANC	ROCESSES E.	AND F.	ACILITY AND	EQUIPMENT	
B. EPA Hazardous Waste Code(s) D004 D005 D006 C. State				C. State Haz	zardous Wa	ste Code(s)		
D007 D019 D011 D010 D009 D008 D018								
D. Source Code		E. Form Co	ode	F.Quantity Generated in 2011 G.Waste			G.Waste	
<u>G22</u> Management Mathed a	ada far Sauraa aada C25	<u>W204</u>		15,005.68			v	
	ode for Source code G25			UOM <u>3</u>				
				Density	0.	<u>00</u> spec.gra		
Sec. 2 Was any of t	this waste managed on-site?	>						
					X 1	NO(SKIP TO S	EC. 3)	
On eite Management	ON-SITE PROCESS SYS	FEM 1	r	On site A	1	ON-SITE PROCESS	SYSTEM 2	
Method code	recycled on-site	in 2011	1	Method code Guantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. Was any or X Ye	f this waste shipped off site is (CONTINUE TO IT	in 2011 for tre TEM B)	eatmen	it, disposal, or	recycling?			
B. EPA ID No.	of facility to which waste was	s shipped	C. C Met	)ff-site Manage hod code shipp	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1 WA	<u>R000010355</u>			<u>H112</u>			<u>15,005.68</u>	
Site 2								
Site 3								
Comments (	Site 3       Comments       Concentrated halogenated/ non-halogenated solvent mixture       FROM:Laboratory analytical wastes (used chemicals from laboratory operations))         Waste Min: No minimization       No minimization							

BEFORE OR ENTE	/IB#: 2050-0024 Expires 11/30/2011 FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>					2011 Hazardo WASTE GI AND MAN	ous Waste Report ENERATION IAGEMENT	
Sec. 1 A. Waste RCRA CONTAMINATED DEBRIS FROM HAZARD AND FOOTPRINT REDUCTION Description ACTIVITIES, AS WELL PROGRAMMATIC ANALYTICAL AND R/D PROCESSES.							
B. EPA Hazardous Waste Code(s) D009 D010 D011 D018 D019 D004 D005 D006 D007 D008				C. State Hazardous Waste Code(s)			
D. Sourc <u>G</u> Manage	D. Source Code E. Form Code <u>G22</u> Management Method code for Source code G25			antity Generated in 2011 1,080.00 M <u>1</u> sity 0.00 spec.gra			
Sec. 2	Was any of this waste managed on-site?	)		X No	D(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYSTEM 1 On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			On site l	0	N-SITE PROCESS Quantity t	SYSTEM 2 reated_disposed_or	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	Meth	nod code	recycled o	on-site in 2011	
On-site Me	A Management     Quantity treated       ethod code     recycled on-site       A. Was any of this waste shipped off site     X       X     Yes (CONTINUE TO IT	, disposed, or in 2011 n 2011 for treat 'EM B)	ment, disposal, or	recycling?	recycled o	on-site in 2011	
On-site Me	A. Was any of this waste shipped off site i         X       Yes (CONTINUE TO I)         B. EPA ID No. of facility to which waste waste	n 2011 for treat TEM B)	ment, disposal, or C. Off-site Manage Method code ship	recycling?	D. Total quantity shi	pped in 2011	
On-site Me	A. Was any of this waste shipped off site i         X       Yes (CONTINUE TO I)         B. EPA ID No. of facility to which waste was         NM4890139088	, disposed, or in 2011 n 2011 for treat IEM B) s shipped	ment, disposal, or C. Off-site Manage Method code ship	recycling?	recycled o	ipped in 2011 <u>337.20</u>	
On-site Me Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site in X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         NM4890139088	, disposed, or in 2011 n 2011 for treat TEM B) s shipped	ment, disposal, or C. Off-site Manage Method code ship	r recycling?	D. Total quantity sh	ipped in 2011 <u>337.20</u>	

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545	RY	GM	2011 Hazard	ous Waste Report			
EPA ID NO: <u>NM0890010515</u>			FORM		NAGEMENT		
Sec. 1 A. Waste CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM Description LABORATORY ANALYTICAL WASTES							
B. EPA Hazardous Waste Code(s) D006 D00	05 D021	C. State Haz	zardous Wast	e Code(s)			
D019 D018 D011 D010 D009 D0							
D. Source Code	D. Source Code E. Form Code			2011	G.Waste		
<u>G22</u>	<u>W609</u>			0.00	minimization code		
Management Method code for Source code G25		UОМ <u>1</u>			<u>X</u>		
	. Density	0.0	<u>0</u> spec.gra				
Sec. 2 Was any of this waste managed on-site?	?		X No	SKIP TO S	EC. 3)		
ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated Method code recycled on-site	On-site Meth	Management nod code	Quantity t recycled o	reated, disposed, or on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for trea CEM B)	atment, disposal, or	recycling?				
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity shipped in 2011			
Site 1 <u>NM4890139088</u>		<u>H132</u>	<u>H132</u>		<u>3.80</u>		
Site 2							
Site 3							
Site 3       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							

	2030-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABE	EL		U.S. ENVIR PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL : BIKINI ATOLL ROAD, S	LABORATOR SM-30	<u>Y</u>	GM	2011 Hazardo	ous Waste Report
EPA II	DNO: <u>NM0890010515</u>		FORM AND MANAGEMENT			
Sec. 1 A. Waste TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION Description PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF THE WASTE STREAMS THAT HAVE BEEN REPACKAGED.						TIFICATION IETY OF TRU
B. EPA	Hazardous Waste Code(s) D004 D02	L9 D018	C. State Haz	zardous Wast	e Code(s)	
D011	L D021 D009 D007 D006 D0					
D. Sourc	ce Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste
<u>G</u>	<u>G22</u> <u>W319</u>				0.00	minimization code
Manage	ment Method code for Source code G25		UOM <u>1</u>			<u>X</u>
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)				
Sec. Z				X No	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYSTEM 1						
	ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	ON-SITE PROCESS SYST e Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Meth	O Management nod code	N-SITE PROCESS Quantity t recycled c	reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYST e Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	r <b>EM 1</b> I, disposed, or in 2011 n 2011 for treatr CEM B)	On-site Meth Meth	O Management nod code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYST         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste	rEM 1 I, disposed, or in 2011 n 2011 for treatr TEM B) s shipped	On-site Meth Meth ment, disposal, or C. Off-site Manage Method code ship	O Management nod code recycling?	N-SITE PROCESS Quantity t recycled c	reated, disposed, or on-site in 2011
On-site Me Sec. 3	ON-SITE PROCESS SYST         a Management       Quantity treated         a Management       Quantity treated         a Management       Recycled on-site         a Masses       Recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       B.         B. EPA ID No. of facility to which waste was       NM4890139088	rem 1 I, disposed, or in 2011 n 2011 for treatr TEM B) s shipped	On-site M Meth ment, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code recycling?	N-SITE PROCESS Quantity t recycled c	ipped in 2011
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYST         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	rem 1 I, disposed, or in 2011 n 2011 for treatr TEM B) s shipped	On-site M Meth ment, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code	N-SITE PROCESS Quantity t recycled c	ipped in 2011
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYST         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	rEM 1 I, disposed, or in 2011 n 2011 for treatr TEM B) s shipped	On-site M Meth ment, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code	N-SITE PROCESS Quantity t recycled c	ipped in 2011

OMB#:	2050-0024	Expires	11/30/2011
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EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD,	<u>LABORAT(</u> SM-30	<u>ORY</u>		2011 Hazardous Waste Repo			
LOS ALAMOS, NM 87545 EPA ID NO: NM0890010515			GM FORM	GM WASTE GENERATION			
<u>NM0890010515</u>							
Sec. 1 A. Waste FOAM TRACER Description							
B. EPA Hazardous Waste Code(s) D008 D00	05 D004		C. State Haz	ardous Wast	te Code(s)		
D010							
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G19</u>	<u>W319</u>				<u>11.34</u>		
Management Method code for Source code G25			UOM <u>3</u>				
			Density	0.0	<u>)0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?	?						
Jet. 2				X N	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1		ON-SITE PROCESS SYSTEM 2				
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			On-site M Meth	lanagement od code	Quantity f recycled o	treated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatment	t, disposal, or	recycling?			
X Yes(CONTINUE TO IT	TEM B)						
B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	. Off-site Management lethod code shipped to		D. Total quantity shipped in 2011		
Site 1 UTD981552177			<u>H040</u> <u>11</u>		11.34		
Site 2							
Site 3							
Comments EXPLOSIVE TESTING ACTIVITIES intermittent processes(specify in com	AT DARHT nments) Waste	Other i Min: No	inorganic solids o minimization	(specify in co	mments) FROM:Othe	r one-time or	

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	RE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL NTER:				PROTECTION AGENCY		
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	RY	2011 Hazardous Waste Report				
BIKINI ATOLL ROAD,	<u>SM-30</u>			]			
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>	EPA ID NO: <u>NM0890010515</u>				IAGEMENT		
Sec. 1 A. Waste CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM Description LABORATORY ANALYTICAL WASTES							
B. EPA Hazardous Waste Code(s) D006 D00	)4 D007	C. State Haz	zardous Wast	e Code(s)			
D008 F005 D010 D011 F002 D0	09						
D. Source Code	E. Form Cod	e F.Quantity G	enerated in 2	2011	G.Waste		
G22	W204			1.13	minimization code		
Management Method code for Source code G25	<u></u>	UOM 3			<u>X</u>		
		Density	Density 0.00 spec gra				
				<u>o</u> speeigra			
Was any of this waste managed on-site?	)						
			X No	O(SKIP TO S	EC. 3)		
ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated	, disposed, or	On-site N	On-site Management Quantity treated, disposed, or				
Method code recycled on-site	IN 2011	Meth	Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste shipped off site i	n 2011 for trea	tment, disposal, or	recycling?				
X Yes(CONTINUE TO IT	TEM B)						
B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ment ped to	D. Total quantity shipped in 2011			
Site 1 <u>ARD069748192</u>		<u>H040</u>	<u>H040</u>		<u>1.13</u>		
Site 2							
Site 3							
Comments Concentrated balagenated/ non	halogenated solv	vent mixture EROM		lutical wastes (used o	nemicals from		
laboratory operations)) Waste Min: N	lo minimization						

	050-0024 Expires 1750/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		U.S. ENVIR	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORATC	DRY	2011 Hazardous Waste Report		
	<u>BIKINI ATOLL ROAD,</u> LOS ALAMOS, NM 87545	<u>SM-30</u>		GM	WASTE GI	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1 A. Waste WASTE IS FROM NONROUTINE MAITENANCE OF TA-50, BLG-201. Description						01.
B. EPA I	Hazardous Waste Code(s) D006 D00	04 D007	C. State Ha	zardous Wast	e Code(s)	
D010	D009 D008					
D. Sourc	D. Source Code E. Form Code			Generated in 2	2011	G.Waste minimization code
<u>G</u> Manager	<u>11</u> ment Method code for Source code G25	<u>W319</u>			0.00	x
inanagoi			Density	0 0		
			Density	0.0	<u>o</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	?		X No	SKIP TO S	
				0	N-SITE PROCESS	SYSTEM 2
	ON-SITE PROCESS SYS	ГЕМ 1		•		
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	<b>TEM 1</b> I, disposed, or in 2011	- On-site I Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       Yes IT	<b>TEM 1</b> I, disposed, or in 2011 in 2011 for tre	On-site Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO         B. EPA ID No. of facility to which waste was	I Contemposed for the formal series of the formal s	C. Off-site Manage	Management nod code	Quantity t recycled c D. Total quantity shi	reated, disposed, or on-site in 2011
On-site Me Sec. 3 Site 1	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	TEM 1 I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	C. Off-site Manage Method code ship	Management nod code recycling?	Quantity t recycled c D. Total quantity shi	reated, disposed, or on-site in 2011 ipped in 2011 <u>58.80</u>
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	TEM 1 I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	C. Off-site Manage Method code ship	Management nod code	Quantity t recycled c D. Total quantity shi	reated, disposed, or on-site in 2011 ipped in 2011 <u>58.80</u>
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         NM4890139088       NM4890139088	TEM 1 I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	C. Off-site Manage Method code ship	Aanagement nod code	Quantity t recycled c	reated, disposed, or on-site in 2011 ipped in 2011 <u>58.80</u>

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				RONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	Y	2011 Hazardous Waste Report			
BIKINI ATOLL ROAD,	<u>SM-30</u>			]		
LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>	FORM		NAGEMENT			
Sec. 1 A. Waste PIPETTES, GLASS SLIDES, GLASS VIALS, FILTER PAPER, LINT-FREE Description CLOTHES, PIECES OF SILICON, GALLIUM NITRIDE AND INDIUM TIN OXIDE.						
B. EPA Hazardous Waste Code(s) D004 D0	06 D007	C. State Haz	zardous Wast	e Code(s)		
D008 F005 F002 D022 D011 D0	010					
D. Source Code	E. Form Code	F.Quantity G	Senerated in 2	2011	G.Waste	
<u>G22</u>	W319			7.25	minimization code	
Management Method code for Source code G25		UOM 3			X	
		. Density	Density <u>0.00</u> spec.gra			
Was any of this waste managed on-site	?					
			X No	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated Method code recycled on-site	d, disposed, or a in 2011	On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO I	in 2011 for treat	ment, disposal, or	recycling?			
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Management Method code shipped to		D. Total quantity sh	ipped in 2011	
Site 1 UTD981552177		<u>H040</u>			<u>7.25</u>	
Site 2						
Site 3						
Comments         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))						

OMB#: 2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDEN OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY		
SITE NAME LOS ALAMOS NATIONAL	LABORAT	ORY		2011 Hazardous Waste Report				
BIKINI ATOLL ROAD,	SM-30				]			
LOS ALAMOS, NM 8754	<u>5</u>			GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT		
Sec. 1 A. Waste AQUEOUS WASTE OR WASTEWATERS (FLUID BUT NOT SLUDGE) FROM Description LABORATORY ANALYTICAL WASTES						FROM		
B. EPA Hazardous Waste Code(s) D004 D	006 D007		C. State Haz	ardous Wast	te Code(s)			
D008 D010 D011								
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste		
<u>G22</u>	W113				18.14	minimization code		
Management Method code for Source code G25			UOM 3 <u>X</u>					
		Density 0.00 spec.gra						
Sec. 2 Was any of this waste managed on-sit	e?			X N	o(SKIP TO S	EC. 3)		
ON-SITE PROCESS SY	STEM 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treat Method code recycled on-s	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011						
Sec. 3 A. Was any of this waste shipped off sit X Yes (CONTINUE TO	e in 2011 for tre ITEM B)	eatmen	t, disposal, or	recycling?				
B. EPA ID No. of facility to which waste v	as shipped	C. O Meth	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 wast operations)) Waste Min: No minim	ewaters (fluid, nc ization	ot sludgy	r) FROM:Labora	atory analytica	Il wastes (used chemic	als from laboratory		
OMB#: 2	2050-0024 Expires 11/30/2011							
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATC	DRY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIV	I	WASTE G	ENERATION
EPA II	DNO: <u>NM0890010515</u>				FOR	Μ		AGEMENT
Sec. 1	A. Waste STERILE GROWTH Description PALLADIUM, ARS GOLD, LEAD.	MEDIA C ENIC, CA	CONTA ADMIU	AINING O JM, MERC	NE OF URY,	r M SI	ORE OF THE LVER, COPPE	FOLLOWING: R, ZINC,
B. EPA	Hazardous Waste Code(s) D004 D00	06 D008		C. State Haz	ardous V	Vast	e Code(s)	
D009 D011								
	D. Source Code E. Form C			F.Quantity G	uantity Generated in 2011 G.Waste			
G	22	W1 0 1			<u>5.44</u> minimization code			
Manage	ment Method code for Source code G25	MIOI		UOM 3	<u>X</u>			<u>X</u>
				Density		<u> </u>		
				Density	(	5.0	<u>u</u> spec.gra	
<b>C a a</b>	Was any of this waste managed on-site?	2						
Sec. 2					Х	No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treatec ethod code recycled on-site	l, disposed, ol in 2011	r	On-site N Metho	lanagem od code	ient	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatment.	. disposal. or	recvcling	ı?		
	X Yes (CONTINUE TO IT	TEM B)		, <b>p</b> , .		,		
	B. EPA ID No. of facility to which waste was	s shipped	C. Of Meth	f-site Manager od code shipp	ment bed to		D. Total quantity shipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>				5.44
Site 2								
Site 3								
Comm	ents Very dilute aqueous waste contr	aining more tha	an 99% w	ater (Land Bar	n defined	waste	water not exempted	
	analytical wastes (used chemicals fro	iming more that im laboratory of	perations	s)) Waste Min:	No minin	nizati	on	TROWLADDIALOTY

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			D.S. ENVI PROTECT	ION AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste COMBUSTIBLE DE. Description	BRIS OVI	ER P	ACKED IN	TO 85	GALLON DRUM	
B. EPA	Hazardous Waste Code(s) D004 D00	07 D008		C. State Haz	ardous W	aste Code(s)	
D. Sourc	. Source Code E. Form Code F.C			F.Quantity G	Generated in 2011 G.Waste		
G	22	W002				28.20	minimization code
Manage	ment Method code for Source code G25			UOM 3			X
	. Density			. Density	0	<u>.00</u> spec.gra	
	Was any of this waste managed on-site?	2					
Sec. 2					Х	No(SKIP TO S	SEC. 3)
	ON-SITE PROCESS SYST	ГЕМ 1			-	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	i, disposed, o in 2011	or	On-site M Metho	lanageme od code	nt Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site a	in 2011 for tre	eatmer	nt, disposal, or	recycling?	,	
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>TNR000005397</u>			<u>H112</u>			28.20
Site 2							
Site 3							
Commo	contaminated debris: paper, clo analytical wastes (used chemicals fro	thing, rags, wo om laboratory o	ood, em operatio	pty fiber or plastins)) Waste Min:	ic container No minimiz	s, glass, piping, othe FF zation	ROM:Laboratory

OMB#·	2050-0024	Expires	11/30/2011
$O(0)D\pi$ .	2000-002-		11/00/2011

BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national i</u>	LABORATO	RY			2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						
	<u>los alamos, nm 87545</u>				GIM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAI	NAGEMENT	
Sec. 1	A. Waste ORGANIC ACIDS S Description	SALTS IN	SO	LUTION				
B. EPA H	Hazardous Waste Code(s) D004 D00	)7 F002		C. State Haz	ardous Wa	ste Code(s)		
D. Sourc	e Code	E. Form Coo	de	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u> :	<u>22</u> <u>W202</u>					10.88	minimization code	
Manager	ment Method code for Source code G25		UOM <u>3</u>		<u>X</u>			
				Density	0.	<u>00</u> spec.gra		
	Was any of this waste managed on-site?	)						
Sec. 2	, , , , , , , , , , , , , , , , , , , ,				хı	NO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	, disposed, or		On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	in 2011		Meth	od code	recycled	on-site in 2011	
Sec. 3	A Was any of this waste shipped off site i	n 2011 for trea	atmen	nt disposal or	recyclina?			
000.0	X Yes (CONTINUE TO IT	'EM B)			rooyoning.			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			10.88	
Site 2								
Site 3								
Comme	concentrated halogenated (E.G. operations)) Waste Min: No minimiza	chlorinated) so ation	olvent	FROM:Laborato	bry analytical	wastes (used chemical	s from laboratory	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national</u>	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM			
	LOS ALAMOS, NM 87545					WASTE G	ENERATION	
EPA IL	NO: <u>NM0890010515</u>				FURIM		NAGEMENT	
Sec. 1	A. Waste NEUTRALIZED AND Description	D ABSORE	3ED	SULFRIC	ACID WI	TH ABSORBEN	IT PADS.	
B. EPA	Hazardous Waste Code(s) D004 D00	)8		C. State Haz	ardous Wast	te Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Quantity Generated in 2011 G.Waste			
<u>G</u>	32	<u>W310</u>			2.94			
Manage	ment Method code for Source code G25			UOM <u>3</u>			X	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	, ,					·	
Jec. 2					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO I	TEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>2.94</u>	
Site 2								
Site 3								
Comm	ents Filters, solid adsorbents, ion exo residues Waste Min: No minimization	hange resins a า	and spe	ent carbon (usual	lly from remed	iation, production, o F	ROM:Cleanup of spill	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>				. /		
	LOS ALAMOS, NM 87545						WASTE G	ENERATION
EPA II	D NO: <u>NM0890010515</u>				FOI	RIM		IAGEMENT
Sec. 1	A. Waste ARESENIC REFER. Description	ENCE STA	ANDA	RD SOLUT	TION	- Al	RSENIC TRIC	XIDE
B. EPA	Hazardous Waste Code(s) D004 P01	2		C. State Haz	zardous	Waste	e Code(s)	
D. Sour	ce Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste				G.Waste
<u>G</u>	11	<u>W004</u>					0.22	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density		0.0	<u>0</u> spec.gra	
Sec. 2	Sec. 2 Was any of this waste managed on-site? X No(SKIP TO SEC. 3)							
	ON-SITE PROCESS SYST	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt. disposal. or	· recvclir	na?		
	X Yes (CONTINUE TO IT	EM B)		.,	,	5		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code ship	ement ped to		D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				0.22
Site 2								
Site 3								
Comm	Site 3       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							

OMB#:	2050-0024	Expires	11/30/2011
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SITE NA	ME LOS ALAMOS NATIONAL I		EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
	ITE NAME       LOS ALAMOS NATIONAL LABORATORY         BIKINI ATOLL ROAD, SM-30         LOS ALAMOS, NM 87545         EPA ID NO:         NM0890010515				GM	2011 Hazard	ous Waste Report			
					FORM		NAGEMENT			
Sec. 1	A. Waste CLASS 6.1 ORGAN Description	NIC SOLI	D							
B. EPA I	Hazardous Waste Code(s) D004 U13	86	C. Sta	te Haz	zardous Was	te Code(s)				
D. Sourc	e Code	E. Form Co	de F.Quai	ntity G	enerated in	2011	G.Waste			
G	<u>11</u>	<u>W001</u>			<u>0.99</u>					
wanage	ment Metriod code for Source code G25		UOM	<u>3</u>						
			. Densi	ty	0.0	<u>)0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYSTEM 1				C	N-SITE PROCESS	SYSTEM 2			
On-site Management         Quantity treated, disposed, or           Method code         recycled on-site in         2011			On	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011			treated, disposed, or on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, dispos	sal, or	recycling?					
	X Yes(CONTINUE TO II	'EM B)	·							
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site M Method code	anage ship	ement ped to	D. Total quantity sh	ipped in 2011			
Site 1	<u>UTD981552177</u>		<u>H040</u>	)			0.99			
Site 2										
Site 3										
Commo	Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from ct - Including U	any source) F and P listed wa	ROM:[ astes)	Discarding off- Waste Min: N	specification, out-of-da o minimization	ate, and/or unused			

UIVIB#: 2050-0024 Expires 11/30/20	OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national i</u>	LABORATO	DRY			_ 2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545	<u>5M-30</u>			GM	WASTE G	ENERATION	
EPA ID	DNO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste BDT 510 SOLUTIO	ON WITH	ARS	ENIC				
B. EPA	B. EPA Hazardous Waste Code(s) D004 C. St.			C. State Haz	state Hazardous Waste Code(s)			
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>			<u>31.43</u> minimization code			
Manage	ment Method code for Source code G25		U		<u>X</u>			
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	,			X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Management         Quantity treated, disposed, or         On-site           Method code         recycled on-site in         2011         M				On-site N Meth	lanagement od code	Quantity frecycled	treated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO IT	EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>31.43</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					ate, and/or unused			

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	DRE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL NTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL :</u> 	<u>LABORATO</u> SM-30	<u>RY</u>			2011 Hazardo	ous Waste Report	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste SOIL POTENTIAL. Description	LY CONTA	INI	NG ARSEN	IC			
B. EPA I	. EPA Hazardous Waste Code(s) D004 C.				C. State Hazardous Waste Code(s)			
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	Generated in 2011 G.Waste			
G	<u>19</u>	<u>W301</u>			8,810.39			
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site? X No(SKIP TO SEC. 3)								
	ON-SITE PROCESS SYS	TEM 1			C	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	d, disposed, or a in 2011	-	On-site M Meth	lanagement od code	Quantity f recycled o	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site	in 2011 for trea	atmen	t, disposal, or	recycling?			
	X Yes(CONTINUE TO II	FEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. O Metl	off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	WAR000010355			<u>H112</u>			<u>1,453.00</u>	
Site 2	<u>WAR000010355</u>			<u>H129</u>			7,357.39	
Site 3								
Comme	SOIL THAT WAS EXCAVATED FRO DECONTAMINATION PROJECT 197 one-time or intermittent processes(sp	DM THE ACID W 78-1981. Co becify in comme	/ELL R ontamii nts) W	EMOVAL PRO nated soil (usua /aste Min: No m	L CESS IN THE Ily from remed inimization	DP WEST PLUTONIL liation, demolition, or c	JM FACILITY deaning) FROM:Other	

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				U.S. ENVIP	ONMENTAL
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						·
	LOS ALAMOS, NM 87545					GIVI	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				F	FORM	AND MAN	AGEMENT
Sec. 1	A. Waste INORGANIC SOLI Description	DS FROM	LAB	ORATORY .	AN	JALYTI(	CAL WASTES	
B. EPA	Hazardous Waste Code(s) D004			C. State Haz	zard	lous Waste	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Sene	erated in 2	011	G.Waste
<u>G</u>	22	W319					2.72	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				. Density		0.0	<u>0</u> spec.gra	
<b>Sec. 2</b>	Was any of this waste managed on-site	2						
Sec. 2						X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			ON-SITE PROCESS SYSTEM 2			
On-site	Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed, or				reated, disposed, or
	ethod code recycled on-site	2011		Ivietno	100	code	recycled d	on-site in 2011
	A Was any of this wasta shipped off site	in 2011 for tra	atmor	t disposal or	roo	veling?		
Sec. 3	X Yes (CONTINUE TO T	TEM B)	aunei	it, disposal, of i	160	,yening :		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	emei ped	nt to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				2.72
Site 2								
Site 3								
Comm	ents SAMPLES WILL BE CUT AND SHAF PROCESS. Other inorganic solic operations)) Waste Min: No minimiza	PED, USING A ls (specify in co ation	WIRE	MACHINE. THE ts) FROM:Labor	EN 1 orato	THE SAMPL bry analytica	E WILL GO THROU	GH A SANDING icals from laboratory

	2050-0024 Expires 11/30/2011					
BEFORE OR ENTI	E COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABEL	-		U.S. ENVIE PROTECTI	RONMENTAL
SITE NA	ME <u>LOS ALAMOS NATIONAL</u>	LABORATORY			2011 Hazardo	ous Waste Report
	LOS ALAMOS, NM 87545	<u>3M 30</u>		GM FORM	WASTE G	ENERATION
	<u>NM0890010515</u>					NAGEMENI
Sec. 1	A. Waste TRITIUM CONTAM Description INSPECTING, PA WASTE FOR WIPP	INATED. TR CKAGING, R ·	ANSURANIC EJECTING	C RCRA H AND REM	AZARDOUS DE EDIATING TF	EBRIS WASTE. RANSURANIC
B. EPA	Hazardous Waste Code(s) D009 D03	10 D011	C. State Haz	zardous Wast	e Code(s)	
D00.	7 D006 D005 D008					
D. Sour	ce Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste
<u>G</u>	11	<u>W319</u>			<u>367.20</u>	
Manage	ment Method code for Source code G25		UOM <u>1</u>			<u>×</u>
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site	?				
				V NI	SKIP TO S	<b>王( 3)</b>
ļ				A INC		10. 37
	ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site M	ON-SITE PROCESS SYS e Management Quantity treated ethod code recycled on-site	<b>TEM 1</b> I, disposed, or in 2011	On-site Meth	Management lod code	N-SITE PROCESS Quantity f recycled o	SYSTEM 2 reated, disposed, or on-site in 2011
On-site	ON-SITE PROCESS SYS a Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site	<b>FEM 1</b> I, disposed, or in 2011	On-site Meth	A INC O Management iod code	N-SITE PROCESS Quantity t recycled o	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Mo	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT	<b>TEM 1</b> I, disposed, or in 2011 in 2011 for treatm	On-site Meth Meth	Management lod code	N-SITE PROCESS Quantity t recycled o	SYSTEM 2 rreated, disposed, or on-site in 2011
On-site Mo	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste	IFEM 1 I, disposed, or in 2011 in 2011 for treatm TEM B) s shipped C M	On-site M Meth ent, disposal, or . Off-site Manage ethod code ship	Management nod code recycling?	D. Total quantity sh	SYSTEM 2 rreated, disposed, or on-site in 2011
On-site Mo Sec. 3	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	Image: FEM 1         Image: Additional system         Image: Additional sys	On-site M Meth ent, disposal, or . Off-site Manage ethod code ship <u>H132</u>	A INC O Management iod code recycling?	N-SITE PROCESS Quantity t recycled o	SYSTEM 2 rreated, disposed, or on-site in 2011 ipped in 2011 <u>26.80</u>
On-site Mo Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	<b>I</b> disposed, or         in       2011         in       2011 for treatm         TEM B)       C         s shipped       C         M       M	On-site M Meth ent, disposal, or . Off-site Manage rethod code ship <u>H132</u>	A INC O Management iod code recycling?	D. Total quantity sh	SYSTEM 2 rreated, disposed, or pn-site in 2011 ipped in 2011 <u>26.80</u>
On-site Mo Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	<b>I</b> disposed, or         in       2011         in       2011 for treatm         TEM B)       C         s shipped       C         M       Image: Compare the second seco	On-site M Meth ent, disposal, or . Off-site Manage rethod code ship <u>H132</u>	A INC O Management lod code recycling?	D. Total quantity sh	SYSTEM 2 rreated, disposed, or pn-site in 2011 ipped in 2011 <u>26.80</u>

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECT	ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste HETEROGENEOUS Description NET WEIGHT OF	WASTE WI THE WASI	ITH FE M	BERYLLIU ATRIX.	M GREAT GROUP 1	FER THAN 1 E 3 FOR EPA HW	PERCENT BY	
B. EPA I	Hazardous Waste Code(s) D005 D00	06 D007		C. State Haz	ardous Was	ste Code(s)		
D009	) D010 D011 D008							
D. Source	o Codo	E Form Co	ode	E Quantity G	enerated in	2011	G Waste	
D. Sourc			Jue	1. Quantity O		1.138.10	minimization code	
Manager	nent Method code for Source code G25	<u>W319</u>		LIOM 1		<u>_,</u>	X	
_				Density	0			
				Density	0.	<u>oo</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	>						
Sec. 2					XN	IO(SKIP TO S	EC. 3)	
·	ON-SITE PROCESS SYS	ГЕМ 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
				X No (F	ORM IS	COMPLETE)		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011	
Site 1								
Site 2								
Site 3								
Comme	TRANSURANIC WASTE PROCESS FROM:Other one-time or intermittent	ING FROM LA processes(spe	NLS W	EAPONS PROG comments) Was	RAM Ot ste Min: No m	her inorganic solids (sp inimization	ecify in comments)	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			CM		
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste BERYLLIUM CONT Description WASTE.	AMINATEI	). [	TRANSURA	NIC RCH	RA HAZARDOUS	DEBRIS
B. EPA	Hazardous Waste Code(s) D005 D00	)6 D008		C. State Haz	zardous Was	ste Code(s)	
D007 D009 D010 D011							
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	G.Waste	
<u>G</u>	22	W316				0.00	minimization code
Manage	ment Method code for Source code G25			UOM <u>1</u>			<u>X</u>
				Density	0.	00 spec.gra	
<b>Sec. 2</b>	Was any of this waste managed on-site?	)					
Sec. 2					X N	O (SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatment	t. disposal. or	recvclina?		
	X Yes(CONTINUE TO IT	TEM B)		., [ , .	5		
	B. EPA ID No. of facility to which waste was	shipped	C. O Meth	ff-site Manage nod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>			55.80
Site 2							
Site 3							
Commo	ents Metal salts or chemicals not con operations)) Waste Min: No minimiza	taining cyanide	es FRO	M:Laboratory a	nalytical wast	es (used chemicals fro	m laboratory

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			PROTECTI	ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>DRY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>5M-30</u>					
	<u>LOS ALAMOS, NM 87545</u>				GIVI	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste TRU WASTE PROC Description PROGRAM (TWCP) REMEDIATING TR	ESSED UN . INSPE ANSURANI	IDER ECTIN EC WA	THE TRA G, PACK STE FOR	NSURAN AGING, WIPP.	IC WASTE CER REJECTING A	TIFICATION ND
B. EPA	Hazardous Waste Code(s) D007 D00	)5 D011	(	C. State Haz	ardous Wa	ste Code(s)	
D010	D009 D008 D006						
D. Sourc	ce Code	E. Form Co	de l	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	W319			8,429.23		minimization code
Manage	ment Method code for Source code G25			UOM 1			X
				Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)					
					X 1	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1		ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, o Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment,	disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. Off Metho	-site Manager od code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>		]	<u>H132</u>			<u>6,889.96</u>
Site 2							
Site 3							
Comm	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Labora	WASTE PROC	CESSINC wastes (u	G FROM LANL used chemical	S WEAPON s from labora	IS PROGRAM Othe atory operations)) Wast	er inorganic solids e Min: No minimization

	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>		GM			
	LOS ALAMOS, NM 87545				WASTE G	ENERATION	
EPA IL	NO: <u>NM0890010515</u>			FURM		NAGEMENT	
Sec. 1	A. Waste TRU WASTE PROC Description PROGRAM (TWCP) REMEDIATING TR	ESSED UNDE . INSPECT ANSURANIC	R THE TRA ING, PACK WASTE FOR	NSURANI AGING, WIPP.	C WASTE CER REJECTING A	TIFICATION ND	
B. EPA I	Hazardous Waste Code(s) D006 D00	)5 D011	C. State Haz	zardous Wast	te Code(s)		
D021	L D009 D008 D007 D039						
D. Sourc	ce Code	E. Form Code	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W319</u>			0.00	minimization code	
Manage	ment Method code for Source code G25		UOM <u>1</u>			X	
			. Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)					
Sec. 2				X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1		ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011		l, disposed, or	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
		11 2011					
Sec. 3	A. Was any of this waste shipped off site	n 2011 for treatme	ent. disposal. or	recycling?			
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	n 2011 for treatme	ent, disposal, or	recycling?			
Sec. 3	<ul> <li>A. Was any of this waste shipped off site</li> <li>X Yes (CONTINUE TO IT</li> <li>B. EPA ID No. of facility to which waste was</li> </ul>	n 2011 for treatme TEM B) s shipped C.	off-site Manage ethod code shipp	recycling? ment ped to	D. Total quantity sh	ipped in 2011	
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	n 2011 for treatme TEM B) s shipped C. Mo	Off-site Manage ethod code shipp <u>H132</u>	recycling? ment ped to	D. Total quantity sh	ipped in 2011 21.00	
Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	n 2011 for treatme TEM B) s shipped C. Mo	ont, disposal, or Off-site Manage ethod code shipp H132	recycling?	D. Total quantity sh	ipped in 2011 21.00	
Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	n 2011 for treatme TEM B) s shipped C. Mo	Off-site Manage ethod code shipp <u>H132</u>	recycling? ment ped to	D. Total quantity sh	ipped in 2011 21.00	

-	/2011					
BEFORE COPYING FORM, ATT OR ENTER:	ACH SITE IDENTIFICAT	TON LABEL			U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS	NATIONAL LABO	DRATORY			2011 Hazardo	ous Waste Report
BIKINI AT	OLL ROAD, SM-3	<u>30</u>		GM		
	<u>5, NM 87545</u>			FORM		
<u>NM0890</u>	010515					
Sec. 1 A. Waste TRU Description PROG REME	WASTE PROCESSI GRAM (TWCP). I DIATING TRANSU	ED UNDER INSPECTI JRANIC W	THE TRA NG, PACK ASTE FOR	NSURANI AGING, 1 WIPP.	C WASTE CER REJECTING A	TIFICATION ND
B. EPA Hazardous Waste Code	(s) F001 D009 E	006	C. State Haz	ardous Waste	e Code(s)	
D007 D008 D005						
D. Source Code	E. F	orm Code	F.Quantity G	enerated in 2	2011	G.Waste
<u>G22</u>	<u>W3</u>	19			0.00	
Management Method code for S	Source code G25		UOM <u>1</u>			<u>×</u>
			. Density	0.0	<u>0</u> spec.gra	
Sec 2 Was any of this waste	e managed on-site?					
				X No	O(SKIP TO S	EC. 3)
ON-SIT	E PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2			
On-site Management     Quantity treated, disposed, or       Method code     recycled on-site in		osed, or 2011	On-site Management Quantity treated, disposed recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this was X Yes (CON	ste shipped off site in 201 TINUE TO ITEM	1 for treatmer	nt, disposal, or	recycling?		
Sec. 3 A. Was any of this was X Yes (CON B. EPA ID No. of facility	ste shipped off site in 201 TINUE TO ITEM r to which waste was shipp	1 for treatmer B) Ded C. C Met	nt, disposal, or Off-site Manage thod code ship	recycling? ment ped to	D. Total quantity sh	ipped in 2011
Sec. 3       A. Was any of this was         X       Yes (CON         B. EPA ID No. of facility         Site 1       NM48901	ate shipped off site in 201 TINUE TO ITEM to which waste was shipp	1 for treatmer B) Ded C. C Met	nt, disposal, or Off-site Manage thod code shipp <u>H132</u>	recycling? ment ped to	D. Total quantity sh	ipped in 2011 59.70
Sec. 3       A. Was any of this was         X       Yes (CON         B. EPA ID No. of facility         Site 1       NM48901         Site 2	ete shipped off site in 201 TINUE TO ITEM to which waste was shipp	1 for treatmer B) Ded C. C Met	nt, disposal, or Off-site Manage thod code shipp <u>H132</u>	ment ped to	D. Total quantity shi	pped in 2011 <u>59.70</u>
Sec. 3     A. Was any of this was       X     Yes (CON       B. EPA ID No. of facility       Site 1     NM48901       Site 2     Site 3	ete shipped off site in 201 TINUE TO ITEM to which waste was shipp	1 for treatmer B) Ded C. C Met	nt, disposal, or Off-site Manage thod code shipp <u>H132</u>	ment ped to	D. Total quantity sh	ipped in 2011 59.70

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABE	EL		U.S. ENVIF PROTECTI	ONMENTAL
SITE NA	ME <u>los alamos national i</u>	LABORATOR	Y		2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			]	
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION
EPA ID	<sup>NO:</sup> NM0890010515			FORM	AND MAN	AGEMENT
Sec. 1	A. Waste INSPECTING, PAG Description WASTE FOR WIPP INSTRUCTIONS.	CKAGING, I AND FOR '	REJECTING, TA-54 SAFI	, AND RE E STORAG	MEDIATING I E), RELATED	RANSURANIC WORK
B. EPA	Hazardous Waste Code(s) D008 D00	)5 D006	C. State Ha	zardous Wast	e Code(s)	
	0007					
	, 2007					
	ce Code	E Form Code	E.Quantity (	Generated in 2	2011	G.Waste
	1 1	E. F 0111 0000		0.00		minimization code
Manage	$\pm \pm$ ment Method code for Source code G25	<u>W319</u>			<u></u>	X
					-	_
			. Density	0.0	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	)				
Sec. 2				X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site I Meth	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011		
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treatr	nent, disposal, or	recycling?		]
	X Yes(CONTINUE TO IT	TEM B)	•			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>		<u>H132</u>			<u>95.20</u>
Site 2						
Site 3						
Commo	Site 2       Site 3         Site 3       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					

OND#. 2000	0-0024 Expires 11/30/2011						
BEFORE CC OR ENTER:	DPYING FORM, ATTACH SITE IDENTI	FICATION LA	BEL		U.S. ENVIR PROTECTI	ONMENTAL	
SITE NAME	LOS ALAMOS NATIONAL 1	LABORATO	RY		2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	5M-30			]		
	LOS ALAMOS, NM 87545			GM	WASTE GI	ENERATION	
EPA ID N	O: NM0890010515			FORM		AGEMENT	
	<u>MI0090010919</u>						
Sec. 1 A.	Waste TRU WASTE PROC Description PROGRAM (TWCP) WASTE STREAMS	ESSED UN . THIS THAT HAV	DER THE TRA WASTE STREA E BEEN REPA	ANSURANI AM WILL ACKAGED.	C WASTE CER COVER A VAR	TIFICATION IETY OF TRU	
B. EPA Haz	zardous Waste Code(s) D009 D00	)5 D006	C. State Ha	zardous Wast	e Code(s)		
ן ד000 I	0008						
D. Source C	Sode	E. Form Coo	le F.Quantity (	Generated in 2	2011	G.Waste	
G22		W210			0.00	minimization code	
Managemer	nt Method code for Source code G25	<u>W319</u>	LIOM 1			Х	
						_	
			Density	0.0	<u>10</u> spec.gra		
	Vas any of this waste managed on-site?	· ·					
Sec. 2	vas any of this waste managed of site :			X No	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1		ON-SITE PROCESS SYSTEM 2			
On-site Ma Metho	anagement Quantity treated od code recycled on-site	, disposed, or in 2011	On-site Meti	On-site Management Quantity treated, disposed, c Method code recycled on-site in 2011			
Sec. 3 A.	Was any of this waste shipped off site i	n 2011 for trea	atment, disposal, o	r recycling?			
	X Yes(CONTINUE TO IT	'EM B)		, 0			
В	B. EPA ID No. of facility to which waste was shipped       0		C. Off-site Manag Method code ship	ement oped to	D. Total quantity shi	pped in 2011	
Site 1	<u>NM4890139088</u>		<u>H132</u>			<u>170.60</u>	
Site 1 Site 2	<u>NM4890139088</u>		<u>H132</u>			<u>170.60</u>	
Site 1 Site 2 Site 3	<u>NM4890139088</u>		<u>H132</u>			<u>170.60</u>	

BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABEL			U.S. ENVIR PROTECTI	CONMENTAL	
SITE NA	ME <u>los alamos national</u> :	LABORATORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545			GM	WASTE GI	ENERATION	
EPA ID	<sup>D NO:</sup> NM0890010515			FORM		AGEMENT	
Sec. 1	A. Waste INSPECTING, PA Description WASTE FOR WIPP INSTRUCTIONS.	CKAGING, R AND FOR T	EJECTING, A-54 SAFE	AND RE	MEDIATING T E), RELATED	RANSURANIC WORK	
B. EPA	Hazardous Waste Code(s) D008 D00	)7 D006	C. State Ha	zardous Wast	e Code(s)		
	5						
	, ,						
	ce Code	E Form Code	F.Quantity G	Generated in 2	2011	G.Waste	
C. Court	11						
Manage	ment Method code for Source code G25	<u>W319</u>			<u></u>	Х	
						_	
			Density	0.0	<u>0</u> spec.gra		
	Was any of this waste managed on-site?	>					
Sec. 2			_	X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1		ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011		On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Me	e Management Quantity treated ethod code recycled on-site	I, disposed, or in 2011	Meth	nod code	recycled c	on-site in 2011	
Me	A Was any of this waste shipped off site	I, disposed, or in 2011	ent disposal or		recycled c	on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	I, disposed, or in 2011 in 2011 for treatme TEM B)	ent, disposal, or	recycling?	recycled c	on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste	I, disposed, or in 2011 in 2011 for treatme TEM B) s shipped C. Mi	ent, disposal, or Off-site Manage	recycling?	D. Total quantity shi	on-site in 2011	
Site 1	A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         NM4890139088	I, disposed, or in 2011 in 2011 for treatme TEM B) s shipped C. Mu	On-site Meth Meth ent, disposal, or Off-site Manage ethod code ship <u>H132</u>	recycling?	D. Total quantity shi	pn-site in 2011	
Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	I, disposed, or in 2011 in 2011 for treatme TEM B) s shipped C. Mu	On-site Meth Meth ent, disposal, or Off-site Manage ethod code ship <u>H132</u>	recycling?	D. Total quantity shi	pn-site in 2011	
Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	I, disposed, or in 2011 in 2011 for treatme TEM B) s shipped C. Mu	On-site Meth	recycling?	D. Total quantity shi	pn-site in 2011	

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAE	BEL		U.S. ENVIE PROTECTI	RONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national</u> 1	LABORATO	RY		2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>			]	,	
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA II	DNO: <u>NM0890010515</u>			FORM		NAGEMENT	
Sec. 1	A. Waste GENERAL LAB TR Description CONTAMINATED W AND CD.	ASH (PAP) ITH FISS	ER, GLOVES, ION PRODUCT	, PLASTI IS; WILL	C, GLASS, E CONTAIN BA	TC.) A, CR AND AG	
B. EPA	Hazardous Waste Code(s) D007 D01	L1 D006	C. State Ha	zardous Wast	e Code(s)		
D005	5						
D. Sour	ce Code	E. Form Cod	le F.Quantity 0	Generated in 2	2011	G.Waste	
<u> </u>	19	W319			<u>9.07</u>	minimization code	
Manage	ment Method code for Source code G25	<u></u>	UOM 3			X	
			. Density	0.0	<u>00</u> spec.gra		
	Was any of this waste managed on-site?	>					
Sec. 2				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1		ON-SITE PROCESS SYSTEM 2			
On-site	e Management Quantity treated	l, disposed, or	On-site	On-site Management Quantity treated, disposed, or			
M	ethod code recycled on-site	in 2011	Meth	hod code	recycled of	on-site in 2011	
	A Was any of this wasta shipped off site i	in 2011 for troc	tmont disposal o	r rooveling?			
Sec. 3	X Yes (CONTINUE TO IT	TEM B)	ament, disposal, o				
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement oped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD982598898</u>		<u>H132</u>			<u>9.07</u>	
Site 2							
Site 3							
Comm	ents GENERAL LAB TRASH (PAPER, GL CONTAIN BA, CR AND AG AND CD processes(specify in comments) Wa	OVES, PLASTIC . Other inorg ste Min: No mini	C, GLASS, ETC.) CC ganic solids (specify i mization	DNTAMINATED	WITH FISSION PRO ROM:Other one-time	DUCTS; WILL or intermittent	

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	IFICATION LABE	EL		PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORATORY	<u>Y</u>		2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>			FORM		AGEMENT	
Sec. 1 A. Waste LAB TRASH INCL Description ETC., WITH TOX AND LUBRICANTS	UDING PAPI IC METALS FROM PREI	ER, PLASTI , NONHAZAF PARING, CI	IC, WOOD RDOUS ME LEANING,	, GLASS SAN TALS, TRACE AND DEGREA	DPAPER, SOLVENTS SING	
B. EPA Hazardous Waste Code(s)		C. State Haz	zardous Wast	e Code(s)		
D005 D0	07 D011					
	1					
D. Source Code	E. Form Code	F.Quantity G	enerated in 2011		G.Waste minimization code	
Manag <mark>ଡିନ୍ଥିଜ</mark> ୀt Method code for Source code G25	<u>W002</u>	UOM		5.51	<u>X</u>	
		Density <sup>3</sup>				
			0.0	<u>0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?	?					
ON-SITE PROCESS SYS	TEM 1		X ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated Method code recycled on-site	d, disposed, or a in 2011	On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatn	nent, disposal, or	recycling?			
B. EPA ID NO: Of facility to which waste wa	s' <del>s'hipped</del> ) (	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	pped in 2011	
Site 1 UTD981552177		<u>H040</u>			5.51	
Site 2						
Site 3						

OMB#:	2050-0024	Expires	11/30/2011
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SITE NA	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECT	ION AGENCY	
	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD, S	<u>LABORATO</u> SM-30	RY			2011 Hazard	ous Waste Report
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAR	NAGEMENT
Sec. 1	A. Waste CLASS 6.1 INOR Description	GANIC SO	DLIDS				
B. EPA I	Hazardous Waste Code(s) D005 D00	)7	C. S	State Haz	zardous Wa	ste Code(s)	
D. Sourc	ce Code	E. Form Coo	de F.Q	uantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W001</u>				0.11	
Manager	ment Method code for Source code G25		UC	ОМ <u>з</u>			<u>X</u>
			. Der	nsity	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?				XI	JO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	. (	On-site N Meth	lanagemen od code	t Quantity f recycled o	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, dis	posal, or	recycling?		
	X Yes(CONTINUE TO II	'EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Method co	e Manage ode shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H0</u>	40			0.11
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from ct - Including U	n any source) I and P listed	) FROM:[ wastes)	Discarding off Waste Min: N	-specification, out-of-da lo minimization	ate, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>						
	LOS ALAMOS, NM 87545				G	IVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FO	RM	AND MAN	IAGEMENT
Sec. 1	A. Waste WASTE IS LAB T Description CONTAMINATED W MERCURY-BARIUM	RASH (GI ITH SOL] -CALCIUN	LOVE ID O M-CO	S, WIPES R POWDER PPER-OXI	S, SA Red Ide.	ANDP	APER, ETC)	THAT IS
B. EPA	Hazardous Waste Code(s) D005 D00	)9		C. State Haz	zardous	s Waste	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Generat	ed in 2	2011	G.Waste
<u>G</u>	22	<u>W319</u>					0.00	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density		0.0	<u>0</u> spec.gra	
8	Was any of this waste managed on-site?	,						
Sec. 2					Х	I No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycli	ng?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to		D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H141</u>				0.00
Site 2								
Site 3								
Commo	ents SAMPLE PREP Other inorganic laboratory operations)) Waste Min: N	solids (specify lo minimization	in com າ	ments) FROM:L	Laborato	ory anal	ytical wastes (used cł	nemicals from

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	IFICATION LABE	EL		U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	Y		2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545			GIVI	WASTE GI	ENERATION	
EPA ID NO: <u>NM0890010515</u>			FORM		AGEMENT	
Sec. 1 A. Waste LAB TRASH CONT Description ETHANOL, ISOPR OIL AND GREASE	AMINATED OPANOL, A , CRESOL 1	WITH A MIX CETONE), A MIX, SILVE	TURE OF Z 5214- CR, YTTR	SOLVENTS ( E PHOTORESI IUM-BARIUM-	METHANOL, ST, NON-PCB COPPER	
B. EPA Hazardous Waste Code(s)		C. State Haz	zardous Wast	e Code(s)		
D005 D03	11 D026					
D. Source Code	E. Form Code	F.Quantity G	Senerated in 2	2011	G.Waste minimization code	
Managଙ୍ଗିପିଣ୍ରୀ Method code for Source code G25	W002	UOM		0.54	X	
		Density <sup>3</sup>				
		Donolty	0.0	<u>0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site	?					
ON-SITE PROCESS SYS	TEM 1		X ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated	d, disposed, or	On-site N	On-site Management Quantity treated, disposed, or			
	2011	Meth	loa coae			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treatr	ment, disposal, or	recycling?			
B. EPA ID No. of facility to which waste wa	s shipped	C. Off-site Manage Method code ship	ment ped to	D. Total quantity shi	ipped in 2011	
Site 1 <u>UTD981552177</u>		<u>H040</u>			0.54	
Site 2						
Site 3						
Comments PHOTOLITHOGRAPHY OPERATIO glass, piping, othe FROM:Other pro- comments) Waste Min: No minimiza	NS. Contamin duction or service-r tion	ated debris: paper, related processes(w	clothing, rags, vhere the waste	wood, empty fiber or p is a direct outflow or	plastic containers, result - specify in	

	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAB	EL		PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATOF	<u>RY</u>		2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>			FORM		AGEMENT	
Sec. 1	A. Waste WASTE IS VACUU Description FROM CLEANING	M CLEANEF PROCESS (	R BAGS CONT CHAMBER.	CAINING	VARIOUS MET	'AL OXIDES	
B. EPA I	Hazardous Waste Code(s) D005 D02	11	C. State Haz	zardous Wast	e Code(s)		
D. Sourc	ce Code	E. Form Code	e F.Quantity G	Generated in 2	2011	G.Waste	
<u>G</u>	22	<u>W319</u>			0.45	minimization code	
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>	
			. Density	0.0	<u>0</u> spec.gra		
8	Was any of this waste managed on-site?	2					
Sec. 2				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2	
ON-SITE PROCESS SYSTEM 1           On-site Management         Quantity treated, disposed, or recycled on-site in 2011			On-site M	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Me	ethod code recycled on-site	in 2011	Meth	nod code	Tecycleu (		
	A Was any of this waste shipped off site	in 2011	tment disposal or	recycling?			
Sec. 3	A. Was any of this waste shipped off site TX Yes (CONTINUE TO IT	in 2011 in 2011 for treat	Meth tment, disposal, or	recycling?			
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	in 2011 in 2011 for treat TEM B) s shipped	tment, disposal, or C. Off-site Manage Method code ship	recycling?	D. Total quantity shi	ipped in 2011	
Sec. 3 Site 1	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	in 2011 in 2011 for treat TEM B) s shipped	tment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	recycling?	D. Total quantity shi	ipped in 2011 0.45	
Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	in 2011 in 2011 for treat TEM B) s shipped	Meth tment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	recycling?	D. Total quantity shi	ipped in 2011 0.45	
Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	in 2011 in 2011 for treat TEM B) s shipped	Meth tment, disposal, or C. Off-site Manage Method code ship <u>H040</u>	recycling?	D. Total quantity sh	ipped in 2011	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAE	3EL			PROTECT	ION AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	RY			2011 Hazard	ous Waste Report
EPA ID	BIKINI ATOLL ROAD, <u>S</u> LOS ALAMOS, NM 87545 DNO: <u>NM0890010515</u>	<u>5M-30</u>			GM FORM	WASTE G AND MA	ENERATION NAGEMENT
Sec. 1 B. EPA I	A. Waste SOLID WASTE AS Description TRANSITION MET PIPETTES, KIMW AMOUNTS OF HAZ	SOCIATED AL/MAIN ( IPES, ET( ARDOUS CI	WI' GRO C). HEM	TH THE S UP COMPC MAY AL ICALS C. State Haz	LUNDS ( SO BE ardous Wa	IS/PURIFICA MOSTLY, VIA CONTAMINATE	FION OF LS, D WITH TRACE
	D005						
D. Sourc	ce Code	E. Form Cod	le	F.Quantity G	enerated ir	n 2011	G.Waste minimization code
Manag <u>e</u> i	<u>ଷି</u> କିt Method code for Source code G25	<u>W002</u>		UOM		<u>19.05</u>	<u>X</u>
				Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,					
	ON-SITE PROCESS SYST	FEM 1			X	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011		On-site Meth	lanagemer od code	nt Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atmen	t, disposal, or	recycling?		
	B. EPA ID No. Stracifity to Which waste was	shipped	C. O Metl	off-site Manage hod code shipp	ment bed to	D. Total quantity sl	nipped in 2011
Site 1	ARD069748192			<u>H040</u>			<u>9.07</u>
Site 2	<u>UTD981552177</u>			<u>H040</u>			<u>9.97</u>
Site 3							
Comme	ents WASTE RESULTS FROM SYNTHES Contaminated debris: paper, clothing service-related processes(where the	SIS AND PURIFI , rags, wood, em waste is a direct	CATIC pty fib	DN OF TRANSI per or plastic col pw or result - spe	TION META ntainers, gla ecify in comr	L AND MAIN GROUP ( ss, piping, othe FROM nents) Waste Min: No	COMPUNDS. Other production or minimization

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>LOS ALAMOS NATIONAL 1</u> <u>BIKINI ATOLL ROAD, 9</u> LOS ALAMOS, NM 87545	LABORAT( SM-30	<u>ORY</u>		GM	2011 Hazardo	ous Waste Report
EPA IC	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste OIL FILTER WITH Description	H TL011	OIL	OIL HA	AS BARIU	M SALTS)	
B. EPA I	Hazardous Waste Code(s) D005			C. State Haz	zardous Wast	e Code(s)	
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	Senerated in 2	2011	G.Waste minimization code
Manager	⊥⊥ ment Method code for Source code G25	<u>W001</u>		UOM <u>3</u>		0.01	<u>x</u>
				Density	0.0	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			37 DT		
				1		N SITE PROCESS	EC. 3)
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management         Quantity treated, disposed, or           Method code         recycled on-site in         2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n <b>2011 for tre</b> 'EM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Dff-site Manage hod code ship	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.01
Site 2							
Site 3							
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	ous waste (fror ict - Including l	m any s U and F	ource) FROM: Plisted wastes)	Discarding off-s Waste Min: No	specification, out-of-da	te, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	<u>LABORATC</u> 5M-30	<u>DRY</u>			_ 2011 Hazard	ous Waste Report
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT
Sec. 1	A. Waste OXIDE FOR SIMU Description	LATED FU	JEL H	PELLETS			
B. EPA I	Hazardous Waste Code(s) D005			C. State Haz	ardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	<u>19</u>	<u>W319</u>				0.01	The second secon
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>A</u>
				Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,					
	ON-SITE PROCESS SYST	EM 1				DN-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	Quantity f	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre EM B)	eatment	t, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Of Meth	ff-site Manage nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.01
Site 2							
Site 3							
Comme	VARIOUS OXIDES FOR SIMULATEI     intermittent processes(specify in com	L D FUEL PELLE ments) Waste	ETS. Min: No	Other inorgan o minimization	ic solids (spe	cify in comments) FRC	DM:Other one-time or

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL :	LABORATO	<u>ORY</u>			2011 Hazardo	ous Waste Report
EPA II	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>SM-30</u>			GM Form	WASTE G	ENERATION AGEMENT
Sec. 1	A. Waste BARIUM HYDROXI Description ALSO CONTAINS	DE & WAT LIMITED	TER AMO	LEFT OVE UNTS OF	R FROM YTTRIUM	CLEANING CR & COPPER.	UCIBLES.
B. EPA	Hazardous Waste Code(s) D005			C. State Haz	ardous Wast	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u> Manage	22 ment Method code for Source code G25	<u>W119</u>				<u>9.52</u>	x
Manager				DOM <u>3</u> Density	0.0	<u>)0</u> spec.gra	<u></u>
Sec. 2	Was any of this waste managed on-site?	2			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site M Metho	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in <b>2011 for tre</b> TEM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>9.52</u>
Site 2							
Site 3							
Comm	REACTION OR BARIUM W/WATER FROM:Laboratory analytical wastes (	FOR CLEANIN	NG CRI	JCIBLES. O laboratory opera	ther inorganic tions)) Waste	liquid (specify in com Min: No minimization	nents)

	xpires 11/30/2011					
BEFORE COPYING OR ENTER:	FORM, ATTACH SITE IDENTI	FICATION LABEL			U.S. ENVIR PROTECTI	ONMENTAL
SITE NAME LOS	ALAMOS NATIONAL	LABORATORY			2011 Hazardo	ous Waste Report
BI	KINI ATOLL ROAD,	<u>SM-30</u>		GM		
LOS	ALAMOS, NM 87545			EODM	WASTE GI	ENERATION
EPA ID NO:	<u>NM0890010515</u>			FURIVI		AGEMENT
Sec. 1 A. Waste Descrip	TRU WASTE PROC tion PROGRAM (TWCP) WASTE STREAMS	ESSED UNDE . THIS WAS THAT HAVE I	R THE TRA STE STREA BEEN REPA	NSURANI M WILL ACKAGED.	C WASTE CER COVER A VAR	TIFICATION IETY OF TRU
B. EPA Hazardous	Waste Code(s) F001 F00	)2 F003	C. State Haz	zardous Wast	e Code(s)	
D009 D008	F005 D006 D007					
D. Source Code		E. Form Code	F.Quantity G	Senerated in 2	2011	G.Waste
<u>G22</u>		<u>W319</u>			0.00	minimization code
Management Metho	d code for Source code G25		UOM <u>1</u>			X
			. Density	0.0	<u>0</u> spec.gra	
Sec. 2 Was any	of this waste managed on-site?	)				
				X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	FEM 1	On aita M	0 Aanagamant	N-SITE PROCESS	SYSTEM 2
On aita Managam	ont Ouantity treated	disposed or			Quantity t	reated, disposed, or
On-site Managem Method code	ent Quantity treated recycled on-site	l, disposed, or in 2011	Meth	od code	recycled c	on-site in 2011
On-site Managem Method code	ent Quantity treated recycled on-site	l, disposed, or in 2011 n 2011 for treatme	Meth	recycling?	recycled c	on-site in 2011
On-site Managem Method code Sec. 3 A. Was an X	ent Quantity treated recycled on-site y of this waste shipped off site Yes (CONTINUE TO IT	l, disposed, or in 2011 n 2011 for treatme TEM B)	ent, disposal, or	recycling?	recycled c	on-site in 2011
On-site Managem Method code Sec. 3 A. Was an X B. EPA ID	ent Quantity treated recycled on-site y of this waste shipped off site Yes (CONTINUE TO IT No. of facility to which waste was	I, disposed, or in 2011 n 2011 for treatme TEM B) s shipped C. Me	ent, disposal, or Off-site Manage	recycling?	recycled c	pn-site in 2011
On-site Managem Method code	ent Quantity treated recycled on-site y of this waste shipped off site Yes (CONTINUE TO IT No. of facility to which waste was <u>NM4890139088</u>	I, disposed, or in 2011 n 2011 for treatme TEM B) s shipped C. Me	Off-site Manage ethod code shipp <u>H132</u>	recycling?	recycled c	pn-site in 2011 ipped in 2011 <u>114.80</u>
On-site Managem Method code Sec. 3 A. Was an X B. EPA ID Site 1 Site 2	ent Quantity treated recycled on-site y of this waste shipped off site Yes (CONTINUE TO IT No. of facility to which waste was <u>NM4890139088</u>	I, disposed, or in 2011 n 2011 for treatme TEM B) s shipped C. Me	Off-site Manage ent, disposal, or Off-site Manage ethod code shipp <u>H132</u>	recycling?	recycled c	ipped in 2011 <u>114.80</u>
On-site Managem Method code	ent Quantity treated recycled on-site y of this waste shipped off site Yes (CONTINUE TO IT No. of facility to which waste was <u>NM4890139088</u>	I, disposed, or in 2011 n 2011 for treatme TEM B) s shipped C. Me	Off-site Manage ent, disposal, or Off-site Manage ethod code shipp <u>H132</u>	recycling?	recycled c	ipped in 2011 <u>114.80</u>

BEFORE CO OR ENTER:	OPYING FORM, ATTACH SITE IDENTI :	FICATION LABE	L		U.S. ENVIRONMENTAL PROTECTION AGENCY	
SITE NAME	E <u>los alamos national i</u>	LABORATORY	<u>7</u>		2011 Hazardous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			]	
	LOS ALAMOS, NM 87545			GM	WASTE GENERATION	
EPA ID N	<sup>IO:</sup> NM0890010515			FORM	AND MANAGEMENT	
Sec. 1 A. Waste INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC Description WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE), RELATED WORK INSTRUCTIONS.						
B. EPA Hazardous Waste Code(s) D009 D007 D006			C. State Ha	zardous Wast	e Code(s)	
8000						
D. Source	Code	E. Form Code	F.Quantity C	Generated in 2	2011 G.Waste	
G11	L	W316			0.00 minimization code	
Manageme	nt Method code for Source code G25	<u></u>	UOM 1		<u>x</u>	
			 Density	0 0	n spec gra	
Sec. 2	Was any of this waste managed on-site?	)				
000.2				X No	O(SKIP TO SEC. 3)	
X NO(SKIP TO SEC. 3)						
	ON-SITE PROCESS SYST	TEM 1		0	N-SITE PROCESS SYSTEM 2	
On-site M	ON-SITE PROCESS SYST lanagement Quantity treated	, disposed, or	On-site I	O Management	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on site in 2011	
On-site M Meth	ON-SITE PROCESS SYST           lanagement         Quantity treated           od code         recycled on-site	r <b>EM 1</b> , disposed, or in 2011	On-site I Meth	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011	
On-site M Meth	ON-SITE PROCESS SYST lanagement Quantity treated od code recycled on-site	r <b>EM 1</b> , disposed, or in 2011	On-site I Meth	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011	
On-site M Meth	ON-SITE PROCESS SYST lanagement Quantity treated od code recycled on-site	I disposed, or in 2011	On-site I Meth	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011	
On-site M Meth	ON-SITE PROCESS SYST lanagement Quantity treated od code recycled on-site	r <b>EM 1</b> , disposed, or in 2011 n 2011 for treatn	On-site Meth	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011	
On-site M Meth	ON-SITE PROCESS SYST lanagement Quantity treated od code recycled on-site . Was any of this waste shipped off site i X Yes (CONTINUE TO IT	r <b>EM 1</b> I, disposed, or in 2011 n 2011 for treatn rEM B)	On-site Meth Meth	O Management hod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011	
On-site M Meth	ON-SITE PROCESS SYST lanagement Quantity treated od code recycled on-site . Was any of this waste shipped off site i X Yes (CONTINUE TO IT . EPA ID No. of facility to which waste was	rEM 1 , disposed, or in 2011 n 2011 for treatn TEM B) s shipped	On-site Meth Meth nent, disposal, or C. Off-site Manage Method code ship	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011 D. Total quantity shipped in 2011	
On-site M Meth	ON-SITE PROCESS SYST         lanagement       Quantity treated         od code       recycled on-site         . Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT         . EPA ID No. of facility to which waste was         NM4890139088	rEM 1 , disposed, or in 2011 n 2011 for treatm rEM B) s shipped	On-site M Meth ment, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011 D. Total quantity shipped in 2011 <u>71.20</u>	
On-site M Meth	ON-SITE PROCESS SYS1         lanagement       Quantity treated         od code       recycled on-site         . Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT         . EPA ID No. of facility to which waste was         NM4890139088	rEM 1 , disposed, or in 2011 n 2011 for treatm TEM B) s shipped	On-site Method code ship	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011 D. Total quantity shipped in 2011 <u>71.20</u>	
Site 1	ON-SITE PROCESS SYST         lanagement       Quantity treated         od code       recycled on-site         . Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       .         . EPA ID No. of facility to which waste was       NM4890139088	rEM 1 , disposed, or in 2011 n 2011 for treatm rEM B) s shipped	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011 D. Total quantity shipped in 2011 <u>71.20</u>	
On-site M Meth	ON-SITE PROCESS SYS1         lanagement       Quantity treated         od code       recycled on-site         . Was any of this waste shipped off site i       X         X       Yes (CONTINUE TO IT         . EPA ID No. of facility to which waste was       NM4890139088	rem 1 , disposed, or in 2011 n 2011 for treatm rem B) s shipped	On-site Method code ship	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011 D. Total quantity shipped in 2011 <u>71.20</u>	
On-site M Meth	ON-SITE PROCESS SYST         lanagement       Quantity treated         od code       recycled on-site         . Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       . EPA ID No. of facility to which waste was         NM4890139088       .         s       Metal salts or chemicals not con products (Unused product - Including	<b>FEM 1</b> I, disposed, or         in 2011         n 2011 for treatm         TEM B)         S shipped         I         taining cyanides F         U and P listed was	On-site M Meth nent, disposal, or <b>C. Off-site Manage</b> Method code ship <u>H132</u> ROM:Discarding c stes) Waste Min: N	O Management nod code	N-SITE PROCESS SYSTEM 2 Quantity treated, disposed, or recycled on-site in 2011 D. Total quantity shipped in 2011 71.20 out-of-date, and/or unused chemicals or	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545					GM	2011 Hazardo WASTE G	ous Waste Report	
EPA IC	NO: <u>NM0890010515</u>				FORM		AGEMENT	
Sec. 1	A. Waste SPENT ZINC SUL Description	FATE.						
B. EPA H	Hazardous Waste Code(s) D010 D00	)6 D007		C. State Haz	ardous Wast	te Code(s)		
D008	3							
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste minimization code	
<u>G:</u> Manager	23 ment Method code for Source code G25	<u>W319</u>				281.22	x	
Managor				Donaity	0.00		<u>21</u>	
				Density	0.0	<u>JU</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	,			X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Management         Quantity treated, disposed, or         On-site Management         Quantity treated, disposed, or           Method code         recycled on-site in         2011         Method code         recycled on-site in         2011						reated, disposed, or on-site in 2011		
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
				X No (F	ORM IS	COMPLETE)		
B. EPA ID No. of facility to which waste was shipped C. Mo			C. C Met	Dif-site Management D. Total quantity shod code shipped to		ipped in 2011		
Site 1								
Site 2								
Site 3								
Comme	concentrated NITRIC ACID WIT NITROGEN GAS USING SULFURIC (specify in comments) FROM:Waster or UIC disposal) Waste Min: No mini	TH LOW-LEVE ACID. ZINC D water treatmen mization	L ACTI )UST V t (sludç	VITY OF GROS VAS USED AS 1 ge, filter cake, et	S ALPHA WA THE REDUCIN	S ELECTROLYTICAL IG AGENT. Other stes from treatment be	LY REDUCED TO inorganic solids sfore POTW, NPDES	

OMB#: 2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545					2011 Hazardo WASTE G	ous Waste Report		
EPAID NO: <u>NM0890010515</u>				FURI		NAGEMENI		
Sec. 1 A. Waste TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION Description PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.								
B. EPA Hazardous Waste Code(s) D007 D0	08 D011	C. Sta	ite Haza	ardous Waste	e Code(s)			
D006								
D. Source Code	E. Form Co	de F.Qua	ntity Ge	enerated in 2	2011	G.Waste minimization code		
G11 Management Method code for Source code G25	<u>W307</u>							
		. Densi	Density $0.00$ spec.gra					
Sec. 2 Was any of this waste managed on-site	?			X No	O(SKIP TO S	EC. 3)		
ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treate Method code recycled on-sit	d, disposed, o e in 2011	r Or	n-site M Metho	anagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X Yes (CONTINUE TO ITEM B)								
B. EPA ID No. of facility to which waste wa	B. EPA ID No. of facility to which waste was shipped			nent ed to	D. Total quantity shipped in 2011			
Site 1         NM4890139088	e 1 <u>NM4890139088</u>			<u>H132</u>				
Site 2	2							
Site 3								
Comments Metal scale, filings and scrap (i or products (Unused product - Inclue	ncluding metal c ding U and P list	Irums) FROM:[ ed wastes) Wa	Discardir ste Min:	ng off-specifica No minimizati	ation, out-of-date, and on	/or unused chemicals		

OMB#: 2	2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY					
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545				GM	2011 Hazardo	ous Waste Report			
EPA II	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT		
Sec. 1	Sec. 1 A. Waste TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION Description PROGRAM (TWCP). INSPECTING, PACKAGING, REJECTING AND REMEDIATING TRANSURANIC WASTE FOR WIPP.								
B. EPA	Hazardous Waste Code(s) D008 D01	L1 D007		C. State Haz	zardous Was	te Code(s)			
D006	5								
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	Generated in	2011	G.Waste		
<u>G</u>	11	<u>W316</u>				0.00	minimization code		
Manage	ment Method code for Source code G25			UOM <u>1</u>			<u>X</u>		
				Density	0.0	<u>)0</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?	)			X N	O (SKIP TO S			
	ON-SITE PROCESS SYST	TEM 1				DN-SITE PROCESS	SYSTEM 2		
ON-SITE PROCESS SYSTEM 1         ON-SITE PROCESS SYSTEM 2           On-site Management         Quantity treated, disposed, or Method code         On-site Management         Quantity treated, disposed, or Method code           Method code         recycled on-site in         2011         Method code         recycled on-site in         2011						reated, disposed, or on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre TEM B)	eatment,	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	1 <u>NM4890139088</u>		<u>H132</u>				<u>41.40</u>		
Site 2									
Site 3									
Comm	ents Metal salts or chemicals not con products (Unused product - Including	taining cyanide U and P listed	es FROM wastes)	1:Discarding o Waste Min: N	off-specification	ı, out-of-date, and/or uı n	nused chemicals or		

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	RY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM			
	LOS ALAMOS, NM 87545					WASTE G	ENERATION	
	NO: <u>NM0890010515</u>				FURIN		NAGEMENT	
Sec. 1	A. Waste TRU WASTE PROC Description PROGRAM (TWCP) REMEDIATING TR	ESSED UN . INSPE ANSURANI	DER TH CTING, C WAST	E TRA PACK E FOR	NSURANI AGING, WIPP.	C WASTE CER REJECTING A	TIFICATION AND	
B. EPA	Hazardous Waste Code(s) D007 D00	)8 D011	C. 8	State Haz	ardous Was	te Code(s)		
D006	5							
D. Sour	ce Code	E. Form Coo	de F.Q	uantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>19</u>	<u>W319</u>				0.00	minimization code	
Manage	ment Method code for Source code G25		UC	DM <u>1</u>			X	
			. De	nsity	0.(	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)			X N	O (SKIP TO S	FC 3)	
	ON-SITE PROCESS SYS	TEM 1			C	DN-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				On-site Management Quantity treated, disposed, or recycled on-site in 2011				
Sec. 2	A Was any of this waste shinned off site	n 2011 for trea	atment dis	nosal or	recycling?			
360.3	X Yes (CONTINUE TO IT	TEM B)		00001, 01	recycling			
	B. EPA ID No. of facility to which waste was shipped			Diff-site Management D. Total quantity shipped in 2011 hod code shipped to			ipped in 2011	
Site 1	<u>NM4890139088</u>	139088		<u>H132</u>		15.40		
Site 2								
Site 3								
Comm	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Other	WASTE PROC	CESSING FF rmittent proc	ROM LANI	_S WEAPONS	S PROGRAM Othe ents) Waste Min: No n	er inorganic solids ninimization	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY					<b></b>	2011 Hazardo	ous Waste Report	
	LOS ALAMOS, NM 87545	<u>5M-30</u>			GM	WASTE G	ENERATION	
EPA II	D NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste TRU WASTE PROC Description PROGRAM (TWCP) REMEDIATING TR	ESSED UN . INSPE ANSURANI	NDER ECTI IC W	THE TRA NG, PACK ASTE FOR	NSURAN AGING, WIPP.	IC WASTE CER REJECTING A	TIFICATION ND	
B. EPA	Hazardous Waste Code(s) D006 D00	07 D011		C. State Haz	ardous Was	ste Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	11	W307				minimization code		
Manage	ment Method code for Source code G25			UOM <u>1</u>			<u>X</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?			XN	JO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	TEM 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	d, disposed, o a in 2011	r	On-site M Meth	lanagement od code	t Quantity t recycled o	reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre ГЕМ В)	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	s shipped	C.C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	1 <u>NM4890139088</u>			<u>H132</u>			5.60	
Site 2								
Site 3								
Comm	ents Metal scale, filings and scrap (in or products (Unused product - Includ	icluding metal c ing U and P list	drums) ted was	FROM:Discardi stes) Waste Min	ng off-specifi : No minimiza	cation, out-of-date, and ation	/or unused chemicals	

OMB#: 2	050-0024 Expires 11/30/2011									
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY					
SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				7	·			
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION			
EPA IC	NO: <b>NM0890010515</b>				FORM	AND MAN	AGEMENT			
Sec. 1	Sec. 1 A. Waste WASTE STREAM IS TRU RADIOACTIVE WASTE GENERATED BY THE Description TREATMENT PROCESS OF CAUSTIC AND ACIDIC WASTE GENERATED FROM THE RLWTF.									
B. EPA I	Hazardous Waste Code(s) D006 D00	)7		C. State Haz	ardous Was	ste Code(s)				
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste			
<u>G</u>	<u>09</u>	W319		0.00 minimization c						
Manage	ment Method code for Source code G25			UOM <u>1</u>			<u>X</u>			
				Density	0.	00 spec.gra				
	Was any of this waste managed on-site?	)								
Sec. 2					XN	IO(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2			
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011						
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?					
	X Yes(CONTINUE TO IT	TEM 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</u> ,		1,344.00				
Site 2										
Site 3										
Comme	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Other comments) Waste Min: No minimizat	WASTE PRO production or s tion	CESSI ervice-	NG FROM LANI related processe	LS WEAPON	S PROGRAM Othe waste is a direct outflov	er inorganic solids / or result - specify in			
OMB#: 2	050-0024 Expires 11/30/2011									
----------------------------	---	----------------------------------	---	--	--------------------------------	---	---------------------------------			
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	DRY			2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM	WASTE CI				
EPA IE	NO: <u>NM0890010515</u>				FORM	AND MAN	IAGEMENT			
Sec. 1	A. Waste ABSORBENT MATE Description SPILL SOCKS) C HYDROXIDE, HYD	RIALS (F ONTAMINA ROCHLORI	RAGS, KIMW ATED W/FER IC ACID, E	IP RI TH	ES, TER C CHLOR ANOL, AI	ITOWELS, Q- IDE ETCHER, ND ANTI-FOA	TIPS & SODIUM MING AGENT.			
B. EPA I	Hazardous Waste Code(s) D007 D00	06	C. State	Haz	ardous Wast	e Code(s)				
D. Sourc	ce Code	E. Form Co	de F.Quantit	y G	enerated in 2	2011	G.Waste			
<u>G</u>	<u>22</u>	<u>W310</u>				53.07	minimization code			
Managei	ment Method code for Source code G25		UOM <u>3</u>	<u>.</u>			<u>X</u>			
			. Density		0.0	<u>0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?	?								
					X No	O(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYS	FEM 1			0	N-SITE PROCESS	SYSTEM 2			
Me	ethod code code code code code code code co	in 2011	r On-si N	On-site Management Quantity treated, dispose Method code recycled on-site in 2011			n-site in 2011			
	F									
0	A. Was any of this waste shipped off site	in 2011 for tre	atment, disposal	, or	recycling?					
Sec. 3	X Yes(CONTINUE TO IT	TEM B)								
Sec. 3	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	TEM B) s shipped	C. Off-site Man Method code s	ageı hipp	ment bed to	D. Total quantity sh	pped in 2011			
Sec. 3	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	TEM B) s shipped	C. Off-site Man Method code s <u>H040</u>	ager hipp	ment ved to	D. Total quantity sh	pped in 2011			
Site 1 Site 2	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	TEM B) s shipped	C. Off-site Man Method code s <u>H040</u>	ager hipp	ment ed to	D. Total quantity shi	pped in 2011 53.07			
Site 1 Site 2 Site 3	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	TEM B) s shipped	C. Off-site Man Method code s <u>H040</u>	ager hipp	ment ed to	D. Total quantity sh	pped in 2011 53.07			

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					·
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste WASTE STREAM IS Description TREATMENT PROCE THE RLWTF.	S TRU RA ESS OF (	ADIO CAUS	ACTIVE W TIC AND	ASTE G ACIDIC	ENERATED BY WASTE GENER	THE ATED FROM
B. EPA I	Hazardous Waste Code(s) D006 D00	)7		C. State Haz	zardous Wa	ste Code(s)	
D Sourc	e Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	25	W210				0.00	minimization code
Manager	nent Method code for Source code G25	<u>VIJIJ</u>		UOM 1			X
н	129			Density	0		
				Density		<u>uu</u> spec.gra	
	Was any of this waste managed on-site?	>					
Sec. 2	, ,				XI	NO(SKIP TO S	EC. 3)
I	ON-SITE PROCESS SYST	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, o	or	r On-site Management Quantity treated, disposed, o			
Me	ethod code recycled on-site	in 2011		Meth	od code	recycled o	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>			<u>5,966.00</u>
Site 2							
0.11							
Site 3							
Comme	SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Hazard processes - show the H code) Waste	C WASTE PRC dous waste ma Min: No minir	OCESSI anagem mizatior	NG FROM LANI ent - indicate ma	LS WEAPON anagement m	S PROGRAM Othe tethod (residuals from re	er inorganic solids egulated HW treatment

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDE OR ENTER:	NTIFICATION LA	ABEL			PROTECT	ION AGENCY
SITE NAME LOS ALAMOS NATIONA	L LABORATO	ORY			2011 Hazard	ous Waste Report
BIKINI ATOLL ROAD LOS ALAMOS, NM 875 EPAID NO: <u>NM0890010515</u>	<u>, SM-30</u> <u>45</u>			GM WASTE GENERATION FORM AND MANAGEMENT		
Sec. 1 A. Waste WASTEWATER T Description HEAVY METALS	REATMENT S	SLUD	GE CONTA	INING	ACTINIDES AN	ID RCRA
B. EPA Hazardous Waste Code(s) D007	D006	C. State Haz	ardous Wa	aste Code(s)		
D. Source Code <u>G23</u> Management Method code for Source code G2	E. Form Co <u>W504</u> 5	ode	F.Quantity G	enerated i	12011 <u>136.00</u>	G.Waste minimization code <u>X</u>
			Density	1	<u>.07</u> spec.gra	
Sec. 2 Was any of this waste managed on-	site? )N-SITE PR	OCES	SS SYSTEM	1 1)		
ON-SITE PROCESS S	YSTEM 1				ON-SITE PROCESS	SYSTEM 2
On-site Management Quantity tre Method code recycled on	ated, disposed, o -site in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
<u>H111</u>	<u>416.</u>	00				
Sec. 3 A. Was any of this waste shipped off s	site in 2011 for tre	eatmen	it, disposal, or X No (F	recycling? ORM IS	COMPLETE)	
B. EPA ID No. of facility to which waste	was shipped	C. C Met	Off-site Manager hod code shipp	ment ed to	D. Total quantity sh	ipped in 2011
Site 1						
Site 2						
Site 3						
Comments Other sludges (from wastew including wastes from treatment	vater treatment or a before POTW, NPI	air pollut DES or I	ion control).  FR UIC disposal)  W	OM:Wastev /aste Min: N	vater treatment (sludge, lo minimization	filter cake, etc

OMB#: 2	050-0024 Expires 11/30/2011									
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	DRY			_ 2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CM					
	LOS ALAMOS, NM 87545					WASTE G	ENERATION			
EPA IL	NO: <u>NM0890010515</u>				FURIN		IAGEMENT			
Sec. 1	Sec. 1       A. Waste       ELECTRONICS WHICH HAVE LEAD SOLDER, SILVER AND CADMIUM, ALSO         Description       PIPE       THAT       CONTAINS       LEAD       SOLDER, LEAD       SHIELDING.         B       EPA Hazardous       Waste Code(s)       DOOC DOI:1       DOOC       C       State Hazardous       Waste Code(s)									
B. EPA I	Hazardous Waste Code(s) D006 D02	11 D008		C. State Haz	ardous Was	te Code(s)				
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste			
G	<u>15</u>	W319			-	2,848.30	minimization code			
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>			
				Density	0.0	<u>00</u> spec.gra				
		ļ								
Sec. 2	Was any of this waste managed on-site	?			X N	O(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYS	TEM 1		ON-SITE PROCESS SYSTEM 2						
On-site Me	Management Quantity treated	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed, o Method code recycled on-site in 2011						
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatment,	, disposal, or	recycling?					
	X Yes(CONTINUE TO I	TEM B)								
	B. EPA ID No. of facility to which waste was	s shipped	C. Off Metho	f-site Manage od code shipp	ment bed to	D. Total quantity shi	pped in 2011			
Site 1	<u>FLD980711071</u>			<u>H111</u>			<u>1,867.01</u>			
Site 2	<u>UTD982598898</u>			<u>H132</u>			80.78			
Site 3	<u>FLD980711071</u>			<u>H141</u>			<u>63.50</u>			
0										

	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	3EL		PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	RY		2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>		GM			
	LOS ALAMOS, NM 87545				WASTE GI	ENERATION	
EPA IL	NO: <u>NM0890010515</u>			FURM		AGEMENT	
Sec. 1	A. Waste CLEAN UP/HAZ R Description FACILITY	EDUCTION	OF SOLDER	WASTE T	HROUGH OUT	THE CMR	
B. EPA I	Hazardous Waste Code(s) D006 D00	08 D011	C. State Ha	zardous Wast	e Code(s)		
D. Sourc	ce Code	E. Form Coo	le F.Quantity C	Generated in 2	2011	G.Waste	
<u>G</u>	<u>19</u>	<u>W319</u>			308.44	minimization code	
Manager	ment Method code for Source code G25		UOM <u>3</u>			X	
			Density	0.0	<u>0</u> spec.gra		
	Was any of this waste managed on-site?	?					
Sec. 2				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1		ON-SITE PROCESS SYSTEM 2			
			On-site Management Quantity treated, disposed, Method code recycled on-site in 2011				
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site I Meth	Management nod code	recycled c	on-site in 2011	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site I Meth	Management nod code	recycled c	on-site in 2011	
On-site Me	A. Was any of this waste shipped off site	I, disposed, or in 2011	On-site I Meth	Management nod code	recycled c	on-site in 2011	
On-site Me	Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO IT	I, disposed, or in 2011 in 2011 for trea	On-site I Meth	Management nod code r recycling?	recycled c	on-site in 2011	
On-site Me	e Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was	i, disposed, or in 2011 in 2011 for trea FEM B) s shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship	Management nod code r recycling? ement ped to	D. Total quantity shi	ipped in 2011	
On-site Me Sec. 3	e Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       FLD980711071	i, disposed, or in 2011 in 2011 for trea FEM B) s shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship <u>H141</u>	Management nod code r recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>115.66</u>	
On-site Me Sec. 3 Site 1 Site 2	e Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       FLD980711071         UTD982598898       UTD982598898	i, disposed, or in 2011 in 2011 for trea FEM B) s shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship <u>H141</u> <u>H132</u>	Management nod code r recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>115.66</u> <u>192.78</u>	
On-site Me Sec. 3 Site 1 Site 2 Site 3	e Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       FLD980711071         UTD982598898       UTD982598898	I, disposed, or in 2011 in 2011 for trea TEM B) s shipped	On-site I Meth atment, disposal, or C. Off-site Manage Method code ship <u>H141</u> <u>H132</u>	Management nod code r recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>115.66</u> <u>192.78</u>	

OMB#: 2	050-0024 Expires 11/30/2011									
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECTI	ONMENTAL ON AGENCY			
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD, S	<u>5M-30</u>								
	LOS ALAMOS, NM 87545				GIVI	WASTE GI	ENERATION			
EPA IC	NO: <u>NM0890010515</u>				FORM		IAGEMENT			
Sec. 1	Sec. 1 A. Waste COPPER TUBING WITH LEAD AND LEADED GLOVES									
B. EPA H	Hazardous Waste Code(s) D006 D00	)8		C. State Haz	zardous Wast	e Code(s)				
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Generated in	2011	G.Waste			
<u>G</u>	<u>19</u>	<u>W307</u>				732.43	minimization code			
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>			
				Density	0.0	<u>00</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?	)			37 NT					
						N SITE PROCESS	EC. 3)			
On-site	Management Quantity treated	, disposed, o	r	On-site N	Management	Quantity t	reated, disposed, or			
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 20			on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	it, disposal, or	recycling?					
	X Yes(CONTINUE TO II	EM B)								
	B. EPA ID No. of facility to which waste was	shipped	C. C Metl	)ff-site Manage hod code ship	ement ped to	D. Total quantity shi	pped in 2011			
Site 1	FLD980711071			<u>H141</u>			<u>165.50</u>			
Site 2	FLD980711071			<u>H111</u>			143.33			
Site 3	<u>UTD982598898</u>			<u>H132</u>			423.60			
Comme	ents ROUTINE MAINTENANCE AND HOU or intermittent processes(specify in co	JSEKEEPING omments) Was	Me ste Min:	etal scale, filings : No minimizatic	s and scrap (inc	cluding metal drums) I	FROM:Other one-time			

	050-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		D.S. ENVIR PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	RY		2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>		CM		
	LOS ALAMOS, NM 87545			GIVI	WASTE GI	ENERATION
EPA IL	NO: <u>NM0890010515</u>			FURM		IAGEMENT
Sec. 1	A. Waste MLLW SOIL, MDA Description PCB. B	B, BIN #	GFLU 001129	9, TA-54	, NO ASBEST	OS, (50 PPM
B. EPA I	Hazardous Waste Code(s) D006 D00	08	C. State Ha	zardous Wast	e Code(s)	
D. Sourc	e Code	E. Form Co	de F.Quantity C	Generated in 2	2011	G.Waste
G	<u>42</u>	<u>W301</u>		<u>11</u>	,654.34	minimization code
Manager	ment Method code for Source code G25		UOM <u>3</u>			<u>X</u>
			Density	0.0	<u>0</u> spec.gra	
	Was any of this waste managed on-site?	>	<b>!</b>			
Sec. 2				X No	SKIP TO S	EC. 3)
·	ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2
			On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
On-site Me	e Management Quantity treated ethod code recycled on-site	d, disposed, or in 2011	On-site I Meth	Management nod code	recycled c	
On-site Me	Management Quantity treated ethod code recycled on-site	I, disposed, or in 2011	On-site I Meth	Management nod code	recycled c	
On-site Me	Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       Yes TO IT	in 2011 for treations of the second s	On-site Meth	Management nod code 	recycled c	
On-site Me	Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was	in 2011 for treating and the second s	On-site Meth	Management nod code recycling?	D. Total quantity shi	pped in 2011
On-site Me Sec. 3	Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       UTD982598898	in 2011 for treating a shipped	On-site Metherstein Constant M	Management nod code recycling?	D. Total quantity shi	pped in 2011 <u>11,654.34</u>
On-site Me Sec. 3 Site 1 Site 2	Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         UTD982598898	in 2011 for treating a shipped	On-site Meth	Management nod code recycling?	D. Total quantity shi	ipped in 2011 <u>11,654.34</u>
On-site Me Sec. 3 Site 1 Site 2 Site 3	e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         UTD982598898	in 2011 for treated by the second sec	On-site Meth Meth atment, disposal, or C. Off-site Manage Method code ship <u>H132</u>	Management nod code	D. Total quantity shi	pped in 2011 <u>11,654.34</u>

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECTI	ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste SPENT NICKEL-C. Description EQUIPMENT AT C	ADMIUM H MR.	3ATT	'ERIES RE	MOVED 1	FROM ELECTRO	DNICS AND
B. EPA	Hazardous Waste Code(s) D006			C. State Haz	zardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Senerated in	2011	G.Waste
G	22	W309				8.61	minimization code
Manage	ment Method code for Source code G25	<u>N305</u>		UOM 3			X
				Density	0	00 anos ars	
				Density	0.	<u>oo</u> spec.gra	
00	Was any of this waste managed on-site?	2					
Sec. 2	,				XN	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	FEM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, c Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
	A Was any of this wasta shipped off site	in 2011 for tra	ootmor	t disposal or	rooveling?		
Sec. 3	X Yes (CONTINUE TO IT	TEM B)	eauner		recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>FLD980711071</u>			<u>H141</u>			<u>8.61</u>
Site 2							
Site 3							
Commo	ents Batteries, battery parts, cores, c laboratory operations)) Waste Min: N	asings (lead-ad	cid or o า	therwise) FROM	M:Laboratory	analytical wastes (used	I chemicals from

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATC	<u>DRY</u>			_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
ΕΡΑ ΙΓ	$\frac{105 \text{ ALAMOS}, \text{ NM } 87545}{0 \text{ NO}}$				FORM		
	<u>NM0890010515</u>						
Sec. 1	A. Waste TRU WASTE PROC Description PROGRAM (TWCP) REMEDIATING TRA	ESSED UN . INSPE ANSURANI	IDER ECTI EC W	THE TRA NG, PACK ASTE FOR	NSURANI AGING, WIPP.	C WASTE CER REJECTING A	TIFICATION ND
B. EPA I	Hazardous Waste Code(s) D006			C. State Haz	ardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	22 Mathad and for Source and C25	<u>W319</u>				0.00	w
Ivianagei	ment method code for Source code G25			UOM <u>1</u>			<u>A</u>
				Density	0.(	<u>)0</u> spec.gra	
Soc. 2	Was any of this waste managed on-site?	)					
Jec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			C	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, oi in 2011	r	On-site M Methe	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
	-					-	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	pped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>			28.10
Site 2							
Site 3							
Comme	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Labora	WASTE PRO atory analytical	CESSII wastes	NG FROM LANI	S WEAPONS s from laborat	S PROGRAM Othe tory operations)) Wast	er inorganic solids e Min: No minimization

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national 1</u>	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste WASTE IS LAB T Description CONTAMINATED W BROMINE AND CA	RASH (GI ITH DICH DMIUM IN	LOVE ILOR IPUR	S, WIPES ONICKEL ITIES.	5, SAND TETRAKI PIPERID	PAPER, ETC) S THIOUREA NINIUM-COPPE	WITH R BROMINE.
B. EPA	Hazardous Waste Code(s) D006			C. State Haz	zardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	<u>W319</u>				0.02	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,					
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS1	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	nt, disposal, or	recycling?		
	B FPA ID No. of facility to which waste was	shinned	C. C	Off-site Manage	ment	D. Total supptitural	inned in 2011
		Sinpped	Met	hod code shipp	ped to	D. Total quantity Sh	
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.02
Site 2							
Site 3							
Comm	ents SAMPLE PREP Other inorganic laboratory operations)) Waste Min: N	solids (specify lo minimization	in com	ments) FROM:L	_aboratory ana	alytical wastes (used cl	nemicals from

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	RY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	SM-30					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA II	NO: <b>NM0890010515</b>				FORM		IAGEMENT
Sec. 1	A. Waste CONCENTRATED H. Description SERVICE-RELATE	ALOGENAT D PROCES	ED SOLVE SES	INT 1	FROM PR	ODUCTION OR	
B. EPA	Hazardous Waste Code(s) D007 D00	)8 F001	C. State	e Haza	ardous Wast	e Code(s)	
D009	9						
D. Sourc	ce Code	E. Form Cod	de F.Quan	ntity Ge	enerated in 2	2011	G.Waste
<u>G</u>	09	W609				0.00	minimization code
Manage	ment Method code for Source code G25		UOM	1			<u>X</u>
			Densit	у	0.0	<u>0</u> spec.gra	
<b>C a a</b>	Was any of this waste managed on-site?	)					
Sec. 2					X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-	site M Metho	anagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment, dispos	al, or r	ecycling?		
	X Yes(CONTINUE TO IT	TEM B)	<i>,</i> 1	,	, ,		
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Ma Method code	anagen shipp	nent ed to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>		<u>H132</u>	-			141,869.58
Site 2							
Site 3							
Comm	ents LEGACY WASTE FROM LANLSHI PROGRAM Other organic sludge is a direct outflow or result - specify ir	PPED TO WIPF (specify in com comments) W	P IN 2011. TRAN nments) FROM: laste Min: No mi	NSURA :Other p nimizat	NIC WASTE F production or s ion	PROCESSING FROM service-related proces	LANLS WEAPONS ses(where the waste

	1050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL BIKINI ATOLL ROAD, LOS ALAMOS, NM 87545	<u>LABORATC</u> <u>SM-30</u>	DRY	GM FORM	2011 Hazardo WASTE GI AND MAN	DUS Waste Report			
	<u>IM0090010315</u>					_			
Sec. 1	Sec. 1       A. Waste       TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION         Description       PROGRAM (TWCP).       THIS WASTE STREAM WILL COVER A VARIETY OF TRU         WASTE STREAMS THAT HAVE BEEN REPACKAGED.       B. EPA Hazardous Waste Code(s)       Door Door Door								
B. EPA I	Hazardous Waste Code(s) D007 D0	08 D009	C. State Ha	zardous Wast	e Code(s)				
F001	L								
D. Sourc	ce Code	E. Form Co	de F.Quantity	Generated in 2	2011	G.Waste			
<u>G</u>	22	<u>W319</u>			0.00				
Managei	ment Method code for Source code G25		UOM <u>1</u>			<u>×</u>			
			. Density	0.0	<u>0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site	?							
Sec. Z				X No	O(SKIP TO S	EC. 3)			
				0	N-SITE PROCESS	SYSTEM 2			
	ON-SITE PROCESS SYS	TEM 1			On-site Management Quantity treated, disposed, o Method code recycled on-site in 2011				
On-site Me	ON-SITE PROCESS SYS Management Quantity treated athod code recycled on-site	TEM 1 d, disposed, or ∌ in 2011	On-site Met	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011			
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       Yes (CONTINUE TO IT)	<b>TEM 1</b> d, disposed, or a in 2011 in 2011 for tre TEM B)	On-site Meti	Management nod code r recycling?	Quantity t recycled c	reated, disposed, or on-site in 2011			
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO         B. EPA ID No. of facility to which waste waste	TEM 1 d, disposed, or a in 2011 in 2011 for tre TEM B) s shipped	C. Off-site Manag Method code ship	Management nod code r recycling? ement ped to	Quantity t recycled c D. Total quantity shi	reated, disposed, or on-site in 2011 ipped in 2011			
On-site Me Sec. 3	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	TEM 1 d, disposed, or a in 2011 in 2011 for tre TEM B) s shipped	On-site Meti atment, disposal, o C. Off-site Manag Method code ship <u>H132</u>	Management nod code r recycling? ement ped to	Quantity t recycled c	reated, disposed, or on-site in 2011 ipped in 2011 <u>2,830.50</u>			
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	TEM 1 d, disposed, or a in 2011 in 2011 for tre TEM B) s shipped	C. Off-site Manag Method code ship	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011 ipped in 2011 2 , 830 . 50			
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         attraction       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	TEM 1 d, disposed, or in 2011 in 2011 for tre TEM B) s shipped	On-site Method atment, disposal, o C. Off-site Manag Method code ship <u>H132</u>	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011 ipped in 2011 2 , 830 . 50			

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LAB	BEL	PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	RY	2011 Hazardous Waste Report			
BIKINI ATOLL ROAD,	<u>SM-30</u>		CM		-	
LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>		FORM		NAGEMENT		
Sec. 1 A. Waste WASTE FORM: WA Description PYROCHEMICAL P EXTRACTION, SA	STE CONSI ROCESSES LT STRIPE	ISTS OF USE SUCH AS EL PING, FLUOR	D CHLOR ECTRORE	IDE SALTS F FINING, MOL UCTION, DIR	ROM TEN SALT ECT OXIDE	
B. EPA Hazardous Waste Code(s)		C. State Haz	ardous Wast	e Code(s)		
D008 D00						
D. Source Code	e F.Quantity G	enerated in 2	2011	G.Waste minimization code		
Manag <u>endan</u> t Method code for Source code G25	W319	UOM		0.00	<u>x</u>	
		Density <sup>1</sup>	Density <sup>1</sup>			
			0.0	<u>0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?	>					
ON-SITE PROCESS SYS	ГЕМ 1		X P	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated Method code recycled on-site	l, disposed, or in 2011	On-site M Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for treat	tment, disposal, or	recycling?			
B. EPA ID No. of facility to which waste was	s sthipped	C. Off-site Manage Method code shipp	ment bed to	D. Total quantity shi	ipped in 2011	
Site 1 <u>NM4890139088</u>		<u>H132</u>			<u>641.80</u>	
Site 2						
Site 3						
Comments SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Discar Including U and P listed wastes) Wa	WASTE PROCI ding off-specifica ste Min: No minin	ESSING FROM LANI tion, out-of-date, and nization	LS WEAPONS /or unused che	PROGRAM Othe micals or products (U	er inorganic solids nused product -	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	RY		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD, S	<u>5M-30</u>				]	·
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FORM		IAGEMENT
Sec. 1	A. Waste GENERAL LAB TRA Description BERYLLIUM DISKS	ASH WHIC 5, AND Q	H INCLUDE -TIPS.	S	RUBBER	GLOVES, KIM	WIPES,
B. EPA Hazardous Waste Code(s) D007 D008 D011 C. Sta				Haz	ardous Wast	e Code(s)	
D. Sourc	D. Source Code E. Form Code F.Quantity			y G	enerated in 2	2011	G.Waste
<u>G</u>	22	<u>W319</u>				0.11	minimization code
Manage	ment Method code for Source code G25		UOM <u>3</u>	_			<u>X</u>
			. Density		0.0	<u>0</u> spec.gra	
	Was any of this waste managed on-site?	1					
Sec. 2					X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS1	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	· On-sit M	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec 3	A Was any of this waste shipped off site i	n 2011 for tre	atment disposal	or	recyclina?		
360.3	X Yes (CONTINUE TO IT	'EM B)	atmont, disposal,		recycling:		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Man Method code sl	age hipp	ment bed to	D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>		<u>H040</u>				0.11
Site 2							
Site 3							
Commo	BERYLLIUM FOILS WILL BE CLEAN FROM:Laboratory analytical wastes (	IED AND MOU	NTED ON TO A CE	ELL. bera	Other ino tions)) Waste	rganic solids (specify Min: No minimization	in comments)

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LAB	BEL	PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATOF	RY	2011 Hazardous Waste Report			
BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545				WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>	EPA ID NO: <u>NM0890010515</u>					
Sec. 1 A. Waste WASTE FORM: WA Description PYROCHEMICAL P EXTRACTION, SA	STE CONSI ROCESSES LT STRIPI	ISTS OF USE SUCH AS EI PING, FLUOR	ED CHLOR LECTRORE LIDE RED	IDE SALTS F FINING, MOL UCTION, DIR	ROM TEN SALT ECT OXIDE	
B. EPA Hazardous Waste Code(s)		C. State Haz	zardous Wast	e Code(s)		
D007 D00						
D. Source Code	E. Form Cod	e F.Quantity G	Generated in 2	2011	G.Waste minimization code	
Manacenter Method code for Source code G25	W319	LIOM		0.00	Х	
	<u></u>	Density <sup>1</sup>			_	
		Density	0.0	0 spec.gra		
Sec. 2 Was any of this waste managed on-site?	?					
ON-SITE PROCESS SYS	TEM 1		X 10	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated	d, disposed, or	On-site Moth	On-site Management Quantity treated, disposed, or			
	2011	Meth	Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for trea	tment, disposal, or	recycling?			
B. EPA ID No. of facility to which waste was	s <del>shippe</del> d	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1 <u>NM4890139088</u>		<u>H132</u>			41.00	
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						

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATORY	<u> </u>		2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	SM-30			]		
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID	<sup>NO:</sup> NM0890010515			FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste INSPECTING, PAG Description WASTE FOR WIPP INSTRUCTIONS.	CKAGING, F AND FOR T	REJECTING, FA-54 SAFE	AND RE STORAG	MEDIATING I E), RELATED	RANSURANIC WORK	
B. EPA Hazardous Waste Code(s) D007 D040 D009 C. State H				zardous Wast	te Code(s)		
022							
D. Source Code E. Form Code F			F.Quantity 0	Senerated in 2	2011	G.Waste	
G	07	W210			0.00	minimization code	
Manager	ment Method code for Source code G25	<u>W319</u>	LIOM 1			X	
				0.0			
			Density	0.0	<u>)0</u> spec.gra		
	Was any of this waste managed on-site?	•					
Sec. 2				X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site	e Management Quantity treated	, disposed, or	On-site Management Quantity treated, disposed, or				
IVIE		111 2011	wetr	iod code	Tecycled C		
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treatm	nent, disposal, or	recycling?			
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped C	C. Off-site Manage Nethod code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>NM4890139088</u>		<u>H132</u>			114.80	
Site 2							
Site 3							
Comme	Comments         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						

OMB#: 2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATORY	<u>r</u>	2011 Hazardous Waste Report					
BIKINI ATOLL ROAD,	<u>SM-30</u>		GM					
LOS ALAMOS, NM 87545				WASTE GI	ENERATION			
EPAID NO: <u>NM0890010515</u>		FURIN		IAGEMENT				
Sec. 1 A. Waste WASTE FORM: WAS Description PYROCHEMICAL PI EXTRACTION, SA	STE CONSIS ROCESSES S LT STRIPPI	STS OF USE SUCH AS EI NG, FLUOF	ED CHLOR LECTRORE RIDE RED	IDE SALTS F FINING, MOL UCTION, DIR	ROM TEN SALT ECT OXIDE			
B. EPA Hazardous Waste Code(s)		C. State Haz	zardous Wast	e Code(s)				
D007 D00								
D. Source Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste minimization code			
Manag <mark>@nhdin</mark> t Method code for Source code G25	W319	UOM		0.00	X			
		. Density <sup>1</sup>						
			0.0	<u>O</u> spec.gra				
Sec. 2 Was any of this waste managed on-site?	)							
ON-SITE PROCESS SYST	FEM 1		X Ng	N-SITE PROCESS	SYSTEM 2			
On-site Management Quantity treated	l, disposed, or in 2011	On-site Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
		Met						
Sec. 3 A. Was any of this waste shipped off site i	n 2011 for treatm	ent, disposal, or	recycling?					
B. EPA ID No. of facility to which waste was	S Shipped C M	:. Off-site Manage lethod code ship	ement ped to	D. Total quantity shi	pped 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								

OMB#: 20	050-0024 Expires 11/30/2011							
BEFORE ( OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				PROTECTION AGENCY			
SITE NAM	ME <u>los alamos national i</u>	LABORATC	DRY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, S	<u>5M-30</u>			GM			
					FORM			
<u>NM0890010515</u>								
Sec. 1	A. Waste SOLID TRASH FRO Description GLASS VIALS, PI SILICA GEL, MOI	OM LABOR IPETS, F LECULAR	RATO PAPE SIE	RY RESEA R TOWELS VES. AI	ARCH EXP 5, PLAST LL CONTA	ERIMENTS, I IC, LATEX, MINATED WIT	NCLUDING METAL, H RESIDUAL	
B. EPA H	lazardous Waste Code(s)			<sup>15</sup> C. State Haz	zardóùs Was	le Code(s)		
F002 D036 D007 D011 F005 D022								
D. Source	e Code	E. Form Co	n Code F.Quant		Generated in	2011	G.Waste minimization code	
Managen	ള്ളപ്പt Method code for Source code G25	<u>W319</u>		UOM	25.85		X	
				Density <sup>3</sup>				
					0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?							
	ON-SITE PROCESS SYST	EM 1			X V	N-STEPROCESS	SYSTEM 2	
On-site Met	Management Quantity treated thod code recycled on-site	, disposed, oi in 2011	r	On-site M Meth	On-site Management Quantity treated, disposed, o Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was shipped		C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>25.85</u>	
Site 2								
Site 3								
Comme	nts SOLID TRASH FROM LABORATOR PLASTIC, LATEX, METAL, SILICA G AND TRANSITION METAL COMPLE (used chemicals from laboratory oper	Y RESEARCH EL, MOLECUL XES. Othe ations)) Waste	EXPE AR SI er inorg Min: N	RIMENTS, INCL EVES. ALL CO anic solids (spe No minimization	UDING GLAS	S VIALS, PIPETS, PA WITH RESIDUAL OR hts) FROM:Laboratory	PER TOWELS, GANIC SOLVENTS analytical wastes	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LAE	BEL	U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national</u> 1	LABORATOR	RY		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>			]	·	
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>						AGEMENT	
Sec. 1 A. Waste CHROMIUM AND SILVER COMPOUND CONTAMINATED T Description ADDTIONAL INFORMATION)						SEE	
B. EPA Hazardous Waste Code(s) D007 D011 C. Sta			C. State Haz	zardous Wast	e Code(s)		
D. Sourc	D. Source Code E. Form Code F.Quantity			Generated in 2	2011	G.Waste	
<u>G</u>	<u>09</u>	W319			2.26	minimization code	
Manage	ment Method code for Source code G25	<u></u>	UOM 3			<u>X</u>	
			Density	0.0	0 spec.gra		
Sec. 2	Was any of this waste managed on-site?	?					
060.2				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1		ON-SITE PROCESS SYSTEM 2			
On-site	Management Quantity treated	l, disposed, or	On-site N	On-site Management Quantity treated, disposed, or			
IVI6	ethod code recycled on-site	2011	Meth	Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for trea	tment, disposal, or	recycling?			
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>			2.26	
Site 2							
Site 3							
Comm	PERKIN ELMER 2400 CHN ANALYS AND REDUCTION TUBES IN THE C service-related processes(where the	BIS (CARBON,H CHN INSTRUME) waste is a direct	YDROGEN & NITRO NT Other inorgar outflow or result - sp	GEN ANALYSI nic solids (spec ecify in comme	S). REAGENTS USE ify in comments) FRC nts) Waste Min: No n	D THE COMBUSTION M:Other production or ninimization	

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national</u>	LABORATC	DRY		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]	
LOS ALAMOS, NM 87545					GM	WASTE G	ENERATION
EPA II	NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste CONCENTRATED H Description SERVICE-RELATE	ALOGENAI D PROCES	red Sses	SOLVENT	FROM PR	ODUCTION OF	2
B. EPA Hazardous Waste Code(s) D007 F002 F001 C. State H				C. State Haz	ardous Was	te Code(s)	
D. Sour	Source Code E. Form Code F.Quantity C			F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	09	<u>W609</u>		0.00			
Manage	ment Method code for Source code G25			UOM <u>1</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	?			X N		ፑሮ 3)
	ON-SITE PROCESS SYS	TFM 1				N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, o	r	On-site Management Quantity treated, disposed, or			
M	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011			
Sec. 3	A Was any of this waste shinned off site	in 2011 for tre	atmen	nt disposal or	recycling?		
Sec. 5	X Yes (CONTINUE TO I	TEM B)	aunon		recycling:		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>			<u>2,911.55</u>
Site 2							
Site 3							
Comm	ents LEGACY WASTE FROM LANLSH PROGRAM Other organic sludg is a direct outflow or result - specify in	PPED TO WIP e (specify in cor n comments) V	P IN 20 mments Vaste M	011. TRANSURA s) FROM:Other ⁄lin: No minimiza	ANIC WASTE production or tion	PROCESSING FROM service-related proces	LANLS WEAPONS ses(where the waste

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	RY		2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CM			
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA II	<sup>D NO:</sup> <u>NM0890010515</u>				FORM	AND MA	NAGEMENT	
Sec. 1	A. Waste SODIUM HYDROXI Description IRON, CHROMIUM FRAGMENTS.	DE CONTA , NICKEL	MINATED , SODIU	WIT M NI	H NITR TRATE,	IC ACID, SU AND GLYCER	LFURIC ACID, IN MOLECULE	
B. EPA Hazardous Waste Code(s) D007 C. State I			ite Haz	zardous Wa	ste Code(s)			
D. Source Code E. Form Code F.Quantity			ntity G	enerated in	2011	G.Waste		
G	03	W316		-		21.20	minimization code	
Manage	ment Method code for Source code G25	<u>M310</u>	UON	3			<u>X</u>	
			Dens	ity	0	00 spec gra		
						<u></u>		
Sec. 2	Was any of this waste managed on-site?	)						
					X I	NO(SKIP TO S	SEC. 3)	
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, or in 2011	r On-site Management Quantity treated, dispose Method code recycled on-site in 201			treated, disposed, or on-site in 2011		
				Wieth		,		
		- 0044 fam has	-4	1				
Sec. 3		n zuilior trea ידיא פי	atment, dispo	sai, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site N	lanage	ment	D Total quantity s	hinned in 2011	
			Method cod	e ship	ped to	D. Total quantity shipped in 2011		
Site 1	<u>UTD981552177</u>		<u>H04</u>	0			21.20	
Site 2								
Site 3								
Comm	ents Metal salts or chemicals not con	taining cyanides	s FROM:Platin	g and p	ohosphating (	electro- or non-electro	plating or phosphating)	

OMB#:	2050-0024	Expires	11/30/2011
01010/1.	2000 002-	LAPILOO	,

BEFORE COPYING FORM, ATTACH SITE IDE OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME LOS ALAMOS NATIONA	L LABORATO	ORY		2011 Hazardous Waste Report			
BIKINI ATOLL ROAD	, <u>SM-30</u>				]		
LOS ALAMOS, NM 875	45			GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1 A. Waste CHROMIUM REF	ERENCE ST	ANDAI	RD SOLUT	ION			
B. EPA Hazardous Waste Code(s) D007 C. State				ardous Wast	e Code(s)		
D. Source Code E. Form Code F.Quantit			F.Quantity G	enerated in 2	2011	G.Waste	
G11	W001				0.20	minimization code	
Management Method code for Source code G2	25		UOM 3			<u>X</u>	
		·	<u>D</u> ensity	0.0	<u>0</u> spec.gra		
Sec. 2 Was any of this waste managed on-	site?			X No	o(SKIP TO S	EC. 3)	
ON-SITE PROCESS S	SYSTEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity tre Method code recycled on	ated, disposed, c -site in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. Was any of this waste shipped off	site in 2011 for tre	eatmen	t, disposal, or	recycling?			
X Yes(CONTINUE TO	ITEM B)						
B. EPA ID No. of facility to which waste	was shipped	C. O Meth	ff-site Manage nod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1 UTD981552177			<u>H040</u>			0.20	
Site 2							
Site 3							
Comments Lab packs with no acute hat chemicals or products (Unused p	zardous waste (fron product - Including I	m any so U and P	ource) FROM:[ listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da	ite, and/or unused	

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL	U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD, S	LABORATO SM-30	RY	2011 Hazardous Waste Report			
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA II	EPA ID NO: <u>NM0890010515</u>					NAGEMENT	
Sec. 1	A. Waste INSPECTIING, PA Description WASTE FOR WIPP INSTRUCTIONS.	ACKAGING AND FOR	, REJECTINC TA-54 SAFE	G, AND R E STORAG	EMEDIATING E), RELATED	TRANSURANIC WORK	
B. EPA	Hazardous Waste Code(s) D007	C. State Ha	zardous Wast	e Code(s)			
D. Source Code E. Form Code F.Qua			le F.Quantity C	Generated in 2	2011	G.Waste	
<u>G</u>	11	<u>W319</u>			0.00		
Manage	ment Method code for Source code G25		UOM <u>1</u>			X	
			. Density	0.0	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	,		X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1		ON-SITE PROCESS SYSTEM 2			
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site I Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> a IEM B)	atment, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>NM4890139088</u>		<u>H132</u>			<u>64.40</u>	
Site 2							
Site 3							
Comm	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Discar Including U and P listed wastes) Was	WASTE PROC ding off-specifica ste Min: No mini	ESSING FROM LAN ation, out-of-date, and mization	ILS WEAPONS d/or unused che	PROGRAM Othermicals or products (U	er inorganic solids nused product -	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVI PROTECT	RONMENTAL ION AGENCY	
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, SM-30 Los Alamos, NM 87545			GM	WASTE G	ENERATION	
EPA IC	EPA ID NO: NM0890010515			FORM	AND MAI	NAGEMENT	
Sec. 1	A. Waste EXHAUST STACK : Description	RESIDUE					
B. EPA I	Hazardous Waste Code(s) D007			C. State Haz	ardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	<u>13</u>	<u>W316</u>				18.14	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	?			X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	d, disposed, o e in 2011	or	On-site M Meth	lanagement od code	Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmen	t, disposal, or	recycling?		
	X Yes(CONTINUE TO II	FEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manage nod code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1	<u>ARD069748192</u>			<u>H040</u>			18.14
Site 2							
Site 3							
Comme	ents Metal salts or chemicals not con from enclosed processes including in	ntaining cyanide Iternal scrubbin	l es FRO ng or clea	M:Cleaning out aning) Waste N	process equij /in: No minim	oment (periodic sludge ization	e or residual removal

	050-0024 Expires 11/30/2011					
BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				U.S. ENVIF PROTECTI	ONMENTAL
SITE NA	ME <u>los alamos national</u> 1		2011 Hazardo	ous Waste Report		
BIKINI ATOLL ROAD, SM-30					]	
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION
EPA ID	<sup>NO:</sup> NM0890010515			FORM		AGEMENT
Sec. 1	A. Waste EXPERIMENTAL LZ Description INSTRUMENTS, CO POSSIBLE SPILL	ABORATORY ONTACT WA S AND LEA	WORK THAT ASTE MAY AL AKS.	SO BE U	ES ROUTINE SED TO CONT	CLEANING OF ROL
B. EPA I	Hazardous Waste Code(s) D008 D03	35 D009	C. State Haz	zardous Wast	e Code(s)	
	3					
	re Code	E Form Code	E.Quantity G	Generated in 2	2011	G.Waste
C. Court	22	E. F cim cour			6.80	minimization code
Manager	ment Method code for Source code G25	<u>W319</u>			<u></u>	х
			00101 3			
			Density	0.0	<u>0</u> spec.gra	
	Was any of this waste managed on site?	)	•			
Sec. 2	was any or this waste managed on-site?			X No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site Meth	Management lod code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	ment, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)		, ,		
	B. EPA ID No. of facility to which waste was shipped     C			Off-site Management D. Total quantity shot code shipped to		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	pped in 2011
Site 1	B. EPA ID No. of facility to which waste was ARD069748192	shipped	C. Off-site Manage Method code shipp <u>H040</u>	ement ped to	D. Total quantity sh	<b>6.80</b>
Site 1 Site 2	B. EPA ID No. of facility to which waste was <u>ARD069748192</u>	shipped	C. Off-site Manage Method code shipp <u>H040</u>	ement ped to	D. Total quantity sh	ipped in 2011 <u>6.80</u>
Site 1 Site 2 Site 3	B. EPA ID No. of facility to which waste was ARD069748192	shipped	C. Off-site Manage Method code ship <u>H040</u>	ement ped to	D. Total quantity sh	<u>6.80</u>

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	<u>ORY</u>				2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>				GM FOR	M	WASTE G	ENERATION IAGEMENT	
Sec. 1	Sec. 1 A. Waste 1.5GAL POLY OF HG Description							
B. EPA Hazardous Waste Code(s) D008 D009 C. State Ha				C. State Haz	zardous V	Vaste	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated	d in 2	2011	G.Waste
G	<u>19</u> mont Mathad and a far Source and C25	<u>W117</u>					1.10	v
, ,	ment method code for Source code G25			UOM <u>3</u> Density	(	0.0	<u>0</u> spec.gra	<u>A</u>
Sec. 2	Was any of this waste managed on-site?	,			X	Nc	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site M Meth	lanagem od code	ient	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	eatmer	nt, disposal, or	recycling	g?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to		D. Total quantity sh	pped in 2011
Site 1	<u>UTD982598898</u>			<u>H132</u>				<u>1.10</u>
Site 2								
Site 3								
Comme	HG WAS DISCOVERED IN A P-TRA mercury ( metallic ) FROM:Other one	P SECTION O e-time or intern	DF PIPE nittent p	DURING DEMO	OLITION ( fy in comm	OF A	BUILDING AT TA-21 ) Waste Min: No mini	Waste liquid mization

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				]	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM		AGEMENT
Sec. 1	A. Waste GENERAL LAB TRA Description IS CONTAMINATE SHARPS, VARNIS	ASH FROM D WITH S H, HAZ M OPERAT	M SA SOLV META IONS	MPLE PRE ENTS, DE LS AND A	EP & EQU Egreaser Acid flu <del>Aces.w</del> f	JIPMENT MAIN RS, EPOXIES, JXES FROM HI	TNANCE THAT FOAM, GH MAGNETIC
B. EPA I	Hazardous Waste Code(s)			C. State Haz	zardous was	te Code(s)	
D011	F005 F00	)2 D008					
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	Senerated in	2011	G.Waste minimization code
Manager	hent Method code for Source code G25	W2.04		LIOM		48.48	Х
		<u></u>					_
				Density	0 (		
		Į				<u>n spec.gra</u>	
Sec. 2	Was any of this waste managed on-site?						
· · · · · ·	ON-SITE PROCESS SYST	EM 1			X I	RISTE PROCESS	SYSTEM 2
On-site	Management Quantity treated	, disposed, o	or	On-site N	Management	Quantity t	reated, disposed, or
Me	thod code recycled on-site	in 2011		Meth	nod code	recycled	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	it, disposal, or	recycling?		
	B. EPA ID No: of facility to which waste was	Shipped	C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			48.48
Site 2							
Site 3							
Comme	GENERAL LAB TRASH FROM SAMI DEGREASERS, EPOXIES, FOAM, S RESEARCH OPERATIONS. (REPL/ FROM:Other one-time or intermittent	PLE PREP & E HARPS, VARI ACES WPF 34 processes(spe	QUIPN NISH, H 412). ecify in d	IENT MAINTNA IAZ METALS A Concentrated comments) Wa	NCE THAT IS ND ACID FLU d halogenated, ste Min: No mi	CONTAMINATED WI XES FROM HIGH MAG / non-halogenated solv inimization	TH SOLVENTS, GNETIC FIELD ent mixture

OMB#: 2050-0024 Expires 11/30/2011	
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY						_ 2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM		
	LOS ALAMOS, NM 87545				FORM	WASTE G	ENERATION
	<u>NM0890010515</u>						NAGEMENI
Sec. 1	A. Waste SILVER SOLDER Description	- LEAD				_	
B. EPA I	Hazardous Waste Code(s) D008 D01	.1		C. State Haz	zardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W001</u>				0.49	The second secon
wanager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X N	O(SKIP TO S	EC. 3)
I	ON-SITE PROCESS SYST	EM 1			C	ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site M Meth	/lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A Was any of this waste shipped off site i	n 2011 for tre	atmer	nt disposal or	recycling?		
060.0	X Yes (CONTINUE TO IT	EM B)	Jacimon	it, alopooul, of	reeyening.		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.49
Site 2							
Site 3							
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (fron act - Including U	n any s J and P	cource) FROM: Plisted wastes)	Discarding off- Waste Min: N	specification, out-of-da o minimization	te, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardous Waste Report		
	<u>BIKINI ATOLL ROAD, S</u> LOS ALAMOS, NM 87545	<u>SM-30</u>		GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1	A. Waste TRITIUM CONTAM Description	INATED FF	REEZER REMO	OVED FRO	M GLOVEBOX.	
B. EPA	Hazardous Waste Code(s) D008 D02	L1	C. State Haz	zardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Code	e F.Quantity G	Generated in 2	2011	G.Waste minimization code
<u>G</u> Manage	<u>15</u> ment Method code for Source code G25	<u>W002</u>			<u>20.86</u>	X
J			. Density	0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)		X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	FEM 1		0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treatec ethod code recycled on-site	, disposed, or in 2011	On-site Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	n 2011 for treat	tment, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	pped in 2011
Site 1	<u>FLD980711071</u>		<u>H141</u>			20.86
Site 2						
Site 3						
						I

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ION AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORAT	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM		NAGEMENT
Sec. 1 A. Waste TRACE AMOUNTS OF SILVER, LEAD, GOLD, COPPER, TIN, ABRASIVE Description GRIT WITH WATER.						ABRASIVE	
B. EPA	Hazardous Waste Code(s) D008 D02	11		C. State Haz	zardous W	aste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Generated i	in 2011	G.Waste
<u>G</u>	22	<u>W119</u>				24.85	
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0	<u>.00</u> spec.gra	
00	Was any of this waste managed on-site?	?					
Sec. 2					Х	No(SKIP TO S	SEC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, c in 2011	or	On-site M Meth	Manageme nod code	nt Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?	?	
	X Yes(CONTINUE TO II	CEM B)		·			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	hipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			24.85
Site 2							
Site 3							
Commo	POLISHING SOLDER METALS WIT INTO AN APPROVED 5-GALLON Co wastes (used chemicals from laborate	H AN ABRASI ONTAINER. ory operations)	VE GRI Othe )) Wast	T MATERIAL W r inorganic liquic te Min: No minin	/ITH WATEI d (specify in nization	R. ALL WASTE IS DISC comments) FROM:Lab	HARGED DIRECTLY pratory analytical

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENV PROTEC	IRONMENTAL TION AGENCY		
SITE NA	ME <u>los alamos national</u> 1	LABORATO	ORY			2011 Hazar	dous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GM	WASTE	GENERATION	
					FORM		NAGEMENT	
	<u>NM0890010313</u>							
Sec. 1	A. Waste MLLW NON-COMPA Description	CTIBLE I	ITEM	S				
B. EPA	Hazardous Waste Code(s) D011 D00	)8		C. State Haz	ardous Wa	aste Code(s)		
				E Quantity C	onorotod i	n 2011	G Waste	
D. Sourc		E. Form CC	bae	F.Quantity G	enerateur	07 02	minimization code	
<u>G</u>	<u>22</u>	<u>W319</u>				27.03	72	
manager	ment Method code for Source code G25			UOM <u>3</u>			Å	
1				Density	0	<u>.00</u> spec.gra	1	
Sec. 2	Was any of this waste managed on-site?	)						
					Х	No(SKIP TO	SEC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1				ON-SITE PROCES	ESS SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	in 2011		Meth	od code	recycleo	d on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?	,		
	X Yes(CONTINUE TO IT	TEM B)		, , ,	, ,			
	B. EPA ID No. of facility to which waste was	shipped	C. C	Off-site Manage	ment	D. Total quantity	shipped in 2011	
			Met	hod code shipp	bed to			
Site 1	FLD980711071			H111			27.03	
011 0								
Site 2								
Site 3								
Commo	MLLW GENERATED DURING ROUT PROTON STORAGE RING (PSR), B comments) FROM:Laboratory analyt	LUE MAINTEN LUE ROOM, A ical wastes (us	NANCE AND AC sed che	ON EMERGEN CELERATOR B micals from labo	CY LIGHTII EAM TUNN pratory oper	NG AND SPRINKLER IEL. Other inorgar ations)) Waste Min: N	SYSTEMS IN THE ic solids (specify in o minimization	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	LABORATO SM-30	<u>RY</u>		CM	2011 Hazardo	ous Waste Report
EPA ID NO: <u>NM0890010515</u>					FORM	WASTE G AND MAN	ENERATION NAGEMENT
Sec. 1	A. Waste SPENT BLASOCUT Description						
B. EPA Hazardous Waste Code(s) D033 D043 D028			C. State Haz	ardous Wast	te Code(s)		
D019	9 D018 D008 D032						
D. Sourc	ce Code	E. Form Coo	de	F.Quantity Generated in 2011 G.Waste			G.Waste
G	<u>07</u>	<u>W205</u>		674.95		674.95	
wanager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	•			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment	, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)		·			
	B. EPA ID No. of facility to which waste was shipped		C. Of Meth	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							
Comme	I Oil-water emulsion or mixture (flumanufacturing or processing, etc.)	uid, not sludgy) /aste Min: No mi	FROM	I:Product and b tion	y-product proc	cessing (direct flow of	wastes from Chemical

OMB#: 20	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABE OR ENTER:						U.S. ENVIF PROTECTI	ONMENTAL	
SITE NAM	ME LOS ALAMOS NATIONAL I	LABORATO	<u>DRY</u>			2011 Hazardous Waste Report		
<u>LOS ALAMOS, NM 87545</u> EPA ID NO: <u>NM0890010515</u>					GM FORM	M WASTE GENERATION		
Sec. 1	A. Waste WASTE OIL Description							
B. EPA H	lazardous Waste Code(s) D028 D00		C. State Hazardous Waste Code(s)					
D. Source	e Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste				
<u>G1</u> Managerr	L6 Dent Method code for Source code G25	<u>W206</u>			<u>147.59</u>			
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Sec. 2 Was any of this waste managed on-site?							
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			pr	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatment	t, disposal, or	recycling?			
	X Yes (CONTINUE TO IT	EM B)	0.0	66 alta Manana				
	B. EPA ID No. of facility to which waste was	shipped	Meth	Method code shipped to		D. Total quantity shipped in 2011		
Site 1	FLD980711071			<u>H061</u>		<u>113.79</u>		
Site 2	FLD980711071			<u>H141</u>	33.8		<u>33.80</u>	
Site 3								
Comments Waste oil managed as hazardous waste FROM:Oil changes and filter or battery replacement (automotive, etc) Waste Min: No minimization								

r	.030-0024 Expires 11/00/2011						
3EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTION AGENCY		
SITE NA	ME <u>los alamos national :</u>	LABORATORY	Y	2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>			FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste INSPECTING, PA Description WASTE FOR WIPP INSTRUCTIONS.	CKAGING, I AND FOR 7	REJECTING, TA-54 SAFE	AND RE	MEDIATING T E), RELATED	RANSURANIC WORK	
B. EPA Hazardous Waste Code(s) D022 D008 D040			C. State Haz	zardous Waste	e Code(s)		
D. Sourc	ce Code	E. Form Code	F.Quantity G	Generated in 2	2011	G.Waste	
G	<u>09</u>	<u>W307</u>					
Manage	ment Method code for Source code G25		UOM <u>1</u>			X	
			. Density	0.0	<u>0</u> spec.gra		
	Was any of this waste managed on-site?	>					
Sec. 2				X No	SKIP TO S	EC. 3)	
I	ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Meth	O Management aod code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Meth	O Management nod code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	<b>FEM 1</b> I, disposed, or in 2011 in 2011 for treatm	On-site Meth Meth	O Management nod code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	<b>I</b> disposed, or         in       2011         in       2011 for treatm         TEM B)       C         s shipped       C	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship	O Management nod code	N-SITE PROCESS Quantity t recycled o D. Total quantity shi	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated athod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	I, disposed, or         in       2011         in       2011 for treatm         Image: Second state st	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code recycling?	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>174.00</u>	
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYS         a Management       Quantity treated         a Management       Quantity treated         a Management       Recycled on-site         a Management       Recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	If em 1         I, disposed, or         in 2011         in 2011 for treatm         TEM B)         S shipped	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>174.00</u>	
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYS Management Quantity treated athod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	<b>I</b> , disposed, or         in       2011         in       2011 for treatm         TEM B)       0 <b>S</b> shipped       0	On-site M Meth nent, disposal, or C. Off-site Manage Method code ship <u>H132</u>	O Management nod code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>174.00</u>	

$OND\pi$ . 2	2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NA	ME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD,	<u>LABORATO</u> SM-30	NRY	2011 Hazardous Waste Report			
	LOS ALAMOS, NM 87545	<u></u>		GM	WASTE GI	ENERATION	
EPA ID	DNO: <u>NM0890010515</u>			FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste GLOVES (PLASTI Description CONTAINERS, TI	C, RUBBE SSUES, T	R), PLASTIC OWELS (COME	C BAGS, S BUSTABLE	TAPE, PAPER S).	2, PLASTIC	
B. EPA I	Hazardous Waste Code(s) F001 F00	C. State Ha	zardous Wast	e Code(s)			
F005	5 D008 D022						
D. Sourc	ce Code	E. Form Co	de F.Quantity G	Senerated in 2	2011	G.Waste	
<u>G</u>	13	<u>W409</u>			0.00	minimization code	
Manage	ment Method code for Source code G25		UOM <u>1</u>			X	
			. Density	0.0	<u>0</u> spec.gra		
Sec 2	Was any of this waste managed on-site	?					
000.2				X No	O(SKIP TO S	EC. 3)	
						SVSTEM 2	
	ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	3131EW 2	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	<b>TEM 1</b> d, disposed, or e in 2011	On-site Meth	O Management nod code	N-SITE PROCESS Quantity t recycled c	reated, disposed, or on-site in 2011	
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	TEM 1 d, disposed, or e in 2011	On-site Meth	O Management aod code	N-SITE PROCESS Quantity t recycled c	reated, disposed, or on-site in 2011	
On-site Me	ON-SITE PROCESS SYS         a Management       Quantity treated         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       Yes (CONTINUE TO IT	TEM 1 d, disposed, or a in 2011 in 2011 for treat TEM B)	On-site Meth	O Management aod code	N-SITE PROCESS Quantity t recycled c	reated, disposed, or on-site in 2011	
On-site Me	ON-SITE PROCESS SYS         e Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste	TEM 1 d, disposed, or e in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manage	O Management aod code recycling?	N-SITE PROCESS Quantity t recycled c	ipped in 2011	
On-site Me Sec. 3	ON-SITE PROCESS SYS Management Quantity treated athod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	TEM 1 d, disposed, or e in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manage Method code ship	O Management aod code recycling?	N-SITE PROCESS Quantity t recycled c	ipped in 2011 <u>46.00</u>	
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYS         a Management       Quantity treated         a Monagement       Quantity treated         a Monagement       Recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	TEM 1 d, disposed, or a in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manage Method code ship	O Management aod code	N-SITE PROCESS Quantity t recycled c	ipped in 2011	
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYS         a Management       Quantity treated         a Monagement       Quantity treated         a Monagement       Recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was       NM4890139088	TEM 1 d, disposed, or a in 2011 in 2011 for treation TEM B) s shipped	C. Off-site Manage Method code ship	O Management nod code	N-SITE PROCESS Quantity t recycled c	ipped in 2011 <u>46.00</u>	

	.050-0024 Expires 11/30/2011			_				
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	ĒL		PROTECTI	ON AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL M BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545	<u>Y</u>	GM FORM	2011 Hazardo WASTE GI	ENERATION			
	<u>NW0830010212</u>							
Sec. 1	A. Waste CONCENTRATED Hard Description SERVICE-RELATE	ALOGENATE D PROCESS	D SOLVENT ES	FROM PRO	ODUCTION OR			
B. EPA I	Hazardous Waste Code(s) D008 F00	)1 F002	C. State Haz	C. State Hazardous Waste Code(s)				
D. Sourc	ce Code	E. Form Code	F.Quantity G	F.Quantity Generated in 2011 G.Waste				
<u>G</u> Manager	09 ment Method code for Source code G25	<u>W609</u>	UOM <u>1</u>		0.00	X		
			Density	0.0	<u>0</u> spec.gra			
Sec 2	Was any of this waste managed on-site?	)						
000.2				X No	SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	TEM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			On-site Meth	Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treatr	nent, disposal, or	recycling?				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	n 2011 for treatr TEM B) shipped	nent, disposal, or C. Off-site Manage Method code ship	r recycling? ement ped to	D. Total quantity shi	ipped in 2011		
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	n 2011 for treatr TEM B)	nent, disposal, or C. Off-site Manage Method code ship	r recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>100.80</u>		
Sec. 3 Site 1 Site 2	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	n 2011 for treatr TEM B) s shipped	nent, disposal, or C. Off-site Manage Method code ship <u>H132</u>	r recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>100.80</u>		
Sec. 3 Site 1 Site 2 Site 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>NM4890139088</u>	n 2011 for treatr TEM B) s shipped	ment, disposal, or C. Off-site Manage Method code ship <u>H132</u>	r recycling? ement ped to	D. Total quantity shi	ipped in 2011 <u>100.80</u>		
OMB#: 2050-00	024 Expires 11/30/2011							
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NAME LOS ALAMOS NATIONAL LABORATORY					_ 2011 Hazardo	ous Waste Report		
BIKINI ATOLL ROAD, SM-30				GM				
	LOS ALAMOS, NM 87545					WASTE G	ENERATION	
EPA ID NO:	<u>NM0890010515</u>				FURIN		NAGEMENT	
Sec. 1 A. Waste NON-COMBUSTIBLE WASTE, CONSISTIN Description PORTLAND CEMENT, CHLORIDE SALTS LIQUIDS WITH BRINE FROM THE ACT				SISTING SALTS, E ACTIN	GF ENV AND SOI	JIRONSTONE C JIDIFIED ORG STE SOURCE I	EMENT, ANIC ERM TEST	
B. EPA Hazar	dous Waste Code(s)		C	C. State Haz	zardous Was	te Code(s)		
D008 F002 F005								
D. Source Coo	Source Code E. Form Code F.Qua		Quantity G	Generated in	2011	G.Waste minimization code		
Manag <u>enhen</u> t I	Method code for Source code G25	W609		UOM		0.00	X	
				Densitv <sup>1</sup>				
					0.	<u>)0</u> spec.gra		
Sec. 2 Was	Sec. 2 Was any of this waste managed on-site?							
	ON-SITE PROCESS SYST	EM 1			ХĄ	N-SITE PROCESS	SYSTEM 2	
On-site Mana Method	agement Quantity treated code recycled on-site	, disposed, or in 2011		On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3 A. W	as any of this waste shipped off site i	n 2011 for trea	atment, c	disposal, or	recycling?			
B. EP	A ID NO: Of FACHINY TO WHICH waste was	shipped	C. Off-s Method	site Manage d code ship	ement ped to	D. Total quantity shipped in 2011		
Site 1	<u>NM4890139088</u>		H	<u>1132</u>			291.40	
Site 2								
Site 3								
Comments	SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Other of	WASTE PROC	CESSING rmittent p	FROM LAN	LS WEAPON ecify in comm	S PROGRAM Othe ents) Waste Min: No m	er organic sludge ninimization	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:						U.S. ENVIE PROTECTI	RONMENTAL ON AGENCY
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GI	/I	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FOF	RM	AND MAN	NAGEMENT
Sec. 1	A. Waste RAGS AND LEAD	TRASH FI	ROM	MACHININ	IG OP	ERA'	TIONS.	
B. EPA Hazardous Waste Code(s) D008			C. State Haz	zardous	Wast	e Code(s)		
D. Sourc	Source Code E. Form Code F.Quantity			Generate	d in 2	2011	G.Waste	
G	05	W319				30.84		minimization code
Manage	ment Method code for Source code G25			UOM 3				X
				Density		0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			v	NT		
					Λ			
On-site	Anagement Quantity treated	. disposed. o	or	On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011				
	A Was any of this waste shinned off site	n 2011 for tr	aatmor	t disposal or	recyclin	a2		
Sec. 5	X Yes (CONTINUE TO IT	TEM B)	eaunei	it, disposal, of	recyclin	ig :		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Dff-site Manage hod code ship	ement ped to		D. Total quantity sh	ipped in 2011
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								
Comm	ents RAGS AND LEAD TRASH FROM M/ GENERATOR. Other inorganic s punching. bending, annealing, grindir	ACHINING OP olids (specify i ng, hardening,	ERATIO in comm etc.) W	DNS. REFEREN nents) FROM:M /aste Min: No mi	NCE WPI letal form inimizatio	F# 244 ning an	80 - SAME PROCES d treatment (pickling,	S, DIFFERENT heat treating,

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:					PROTECTI	ONMENTAL ON AGENCY
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			GM		
	$\frac{105 \text{ ALAMOS}, \text{ NM } 87345}{0 \text{ NO:}}$				FORM		
	<u>NM0890010515</u>						
Sec. 1	A. Waste PPE, DEBRIS, D Description DECONTAMINATIO	UST, DIE N ACTIVI	RT G	ENERATED S.	FROM N	ON-ROUTINE	
B. EPA I	Hazardous Waste Code(s) D008			C. State Haz	ardous Wast	e Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>09</u>	<u>W002</u>				46.26	Thin in the autom code
Ivianager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.0	<u>00</u> spec.gra	
500.2	Was any of this waste managed on-site?	)					
3ec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	FEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	i, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011
	A Was any of this waste shipped off site i	n 2011 for tra	atmon	t disposal or	rooveling?		
Sec. 3	X Yes (CONTINUE TO IT	TEM B)	aunen	it, uisposai, oi	recycling?		
	B. EPA ID No. of facility to which waste was shipped		C. 0	C. Off-site Management Method code shipped to		D. Total quantity shipped in 2011	
	B. EPA ID No. of facility to which waste was	snipped	Met	hod code shipp	bed to		
Site 1	B. EPA ID No. of facility to which waste was UTD981552177	smpped	Met	hod code shipp $\underline{H040}$	bed to		46.26
Site 1 Site 2	B. EPA ID No. of facility to which waste was UTD981552177	s snipped	Met	hod code shipp H040	ped to		<u>46.26</u>
Site 1 Site 2 Site 3	B. EPA ID No. of facility to which waste was UTD981552177	s smppea	Met	hod code shipp H040	Ded to		46.26

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:		PROTECT	ONMENTAL ON AGENCY			
SITE NA	ME <u>los alamos national i</u>		2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD, S		]				
	LOS ALAMOS, NM 87545			GM	WASTE G	ENERATION	
EPA I	<sup>D NO:</sup> NM0890010515			FORM		NAGEMENT	
Sec. 1	A. Waste INSPECTION & PA Description NONCOMBUSTIBLE PROCESSING ACT	OF CERTIFI TE. SALTS (	IABLE CO GENERATE	MBUSTIBLE & D FROM PLUT	ONIUM		
B EPA Hazardous Waste Code(s)			C. State Ha	zardous Wast	e Code(s)		
					0000(0)		
D. Source	. Source Code E. Form Code		e F.Quantity C	Senerated in 2	2011	minimization code	
G	<u>09</u>	<u>W316</u>		<u>0.00</u>			
wanage	ment Method code for Source code G25		UOM <u>1</u>			<u>A</u>	
			. Density	0.0	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)					
				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site	e Management Quantity treated	in 2011	On-site I Meth	Method code recycled on-site in 2011			
	1						
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	tment, disposal, oi	r recycling?			
	X Yes (CONTINUE TO II	'EM B)	C Off site Manage				
	B. EPA ID No. of facility to which waste was	shipped	Method code ship	ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>NM4890139088</u>		<u>H132</u>			<u>35,288.41</u>	
Site 2							
Site 3							
-			IN 2011 TOANCLID	AND MAAOTE I			
Comm	ents LEGACY WASTE FROM LANLSHI PROGRAM Metal salts or chemic	PPED TO WIPP cals not containin	ng cyanides FROM:	Other productio	n or service-related bi	ocesses(where the	
Comm	ents LEGACY WASTE FROM LANLSHI PROGRAM Metal salts or chemic waste is a direct outflow or result - sp	PPED TO WIPP cals not containin ecify in comment	ng cyanides FROM: ts) Waste Min: No m	Other productio	n or service-related p	ocesses(where the	
Comm	ents LEGACY WASTE FROM LANLSHI PROGRAM Metal salts or chemic waste is a direct outflow or result - sp	PPED TO WIPP cals not containin ecify in comment	ng cyanides FROM: ts) Waste Min: No n	ANIC WASTET Other productio ninimization	n or service-related p	ocesses(where the	

OMB#: 2050-0	024 Expires	11/30/2011
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BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:						U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NA	TE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>						
LOS ALAMOS, NM 87545					Givi		WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	VI		AGEMENT
Sec. 1	A. Waste LEAD METAL (SHO Description	)T)						
B. EPA Hazardous Waste Code(s) D008			C. State Haz	ardous W	/aste	e Code(s)		
D. Sourc	Source Code E. Form Code		F.Quantity G	enerated	in 2	2011	G.Waste	
<u>G</u>	<u>11</u>	W001					80.56	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
			Density		<u>0.00</u> spec.gr		<u>0</u> spec.gra	
	Was any of this waste managed on-site?							
Sec. 2	, c				Х	Nc	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				10	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling	?		
	X Yes(CONTINUE TO II	EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	off-site Manage hod code shipp	ment ped to		D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>				<u>59.36</u>
Site 2	<u>UTD981552177</u>			<u>H141</u>	21.2		21.20	
Site 3								
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	L bus waste (from ct - Including U	n any s J and P	ource) FROM:[ listed wastes)	Discarding o Waste Min	off-sp : No	pecification, out-of-da minimization	te, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM		NAGEMENT
Sec. 1	A. Waste COMPUTERS WITH Description	LEAD SC	)LDE1	R JOINTS	AND PR	INTED CIRCU	UIT BOARDS
B. EPA	B. EPA Hazardous Waste Code(s) D008			C. State Haz	ardous Wast	e Code(s)	
D. Sourc	Source Code E. Form Code F		F.Quantity G	enerated in 2	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W002</u>				38.20	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
			·	Density	0.0	<u>)0</u> spec.gra	
00	Was any of this waste managed on-site?	)					
Sec. 2					X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	-	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	it, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	)ff-site Manager hod code shipp	ment ed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			38.20
Site 2							
Site 3							
Comm	ents Contaminated debris: paper, clo off-specification, out-of-date, and/or u minimization	thing, rags, woo inused chemica	od, emp Ils or pr	pty fiber or plasti roducts (Unused	c containers, ( product - Incl	glass, piping, othe FR uding U and P listed w	OM:Discarding vastes) Waste Min: No

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:					PROTECTI	ONMENTAL ON AGENCY
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAN	AGEMENT
Sec. 1	A. Waste LEAD ACID BATT Description ASBESTOS, NO P	ERIES, N CB	MDAB	, 55-GAL	, ES PI	ROFILE 9505-	08 NO
B. EPA Hazardous Waste Code(s) D008 C. Sta			C. State Haz	ardous Wa	ste Code(s)		
D. Sourd	. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W309</u>				<u>95.25</u>	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
00	Was any of this waste managed on-site?	2					
Sec. 2					XI	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmer	nt. disposal. or	recvclina?		
	X Yes(CONTINUE TO IT	TEM B)		.,	5		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD982598898</u>			<u>H132</u>			<u>95.25</u>
Site 2							
Site 3							
Comm	ents Batteries, battery parts, cores, c chemicals or products (Unused produ	asings (lead-ad uct - Including l	cid or of U and F	therwise) FROM Plisted wastes)	I:Discarding Waste Min: N	off-specification, out-of- lo minimization	date, and/or unused

OMB#: 2050-0024 Expires 11/30/2011 BEFORE COPYING FORM, ATTACH SITE IDEN	7	U.S. ENVIRONMENTAL				
OR ENTER:		PROTECTI	ON AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30				2011 Hazardo	ous Waste Report	
LOS ALAMOS, NM 8754	5		GM	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>			FORM		AGEMENT	
Sec. 1 A. Waste LEAD TAPE, CONTAMINATED WITH BERYLLIUM CHIPS FROM (FILTERS) (1 Description 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						
B. EPA Hazardous Waste Code(s)	POSED SOL lazardous Wast	e Code(s)				
D008						
D. Source Code	E. Form Co	ode F.Quantity	Generated in 2	2011	G.Waste minimization code	
Manag <u>entidin</u> t Method code for Source code G25	<u>W316</u>	UOM		0.22	X	
		. Density <sup>3</sup>				
			0.0	<u>0</u> spec.gra		
Sec. 2 Was any of this waste managed on-site?						
ON-SITE PROCESS SY	STEM 1		X 1	N-STEPROCESS	SYSTEM 2	
On-site Management Quantity treat Method code recycled on-si	ed, disposed, o te in 2011	or On-site	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off sit	e in 2011 for tre	eatment, disposal,	or recycling?			
B. EPA ID NO: Of Facility to which waste w	as shipped	C. Off-site Mana Method code sh	gement ipped to	D. Total quantity shipped in 2011		
Site 1 UTD981552177		<u>H040</u>			0.22	
Site 2						
Site 3						
Comments Metal salts or chemicals not c products (Unused product - Includi	ontaining cyanide	es FROM:Discarding d wastes) Waste Min	g off-specification No minimization	, out-of-date, and/or u	nused chemicals or	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY					[	2011 Hazardo	ous Waste Report
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
	<u>NM0890010515</u>				FORM		AGEMENI
Sec. 1	Sec. 1 A. Waste INSPECTING, PACKAGING, REJECTING, AND REMEDIATING TRANSURANIC Description WASTE FOR WIPP AND FOR TA-54 SAFE STORAGE						
B. EPA Hazardous Waste Code(s) D008			C. State Haz	ardous Was	te Code(s)		
D. Sourc	. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste minimization code
<u>G</u> Manage	<u>11</u> ment Method code for Source code G25	<u>W319</u>				0.00	x
Interior				Donoity			<u> </u>
				Density	0.0	<u>JU</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)					
					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			<u> </u>	DN-SITE PROCESS	SYSTEM 2
On-site Me	ethod code Guantity treated	in 2011	ρΓ	Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre CEM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>			22.30
Site 2							
Site 3							
Comm	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Discar	WASTE PRO ding off-specifi	CESSI cation,	NG FROM LANI out-of-date, and	LS WEAPONS /or unused ch	S PROGRAM Othe emicals or products (U	er inorganic solids nused product -

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY	
SITE NA	TE NAME LOS ALAMOS NATIONAL LABORATORY				2011 Hazardo	ous Waste Report	
<u>BIKINI ATOLL ROAD, SM-30</u> LOS ALAMOS, NM 87545 EPA ID NO: <u>NM0890010515</u>					GM FORM AND MANAGEMENT		
Sec. 1	A. Waste CATHODE RAY TU Description	IST OF GLAS	SS, PLAS	TIC, METAL.			
B. EPA Hazardous Waste Code(s) D008			C. State Ha	zardous Waste	e Code(s)		
D. Sourc	Source Code E. Form Code F.Quantity			Generated in 2	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W319</u>			0.80	minimization code	
Manage	nent Method code for Source code G25		UOM <u>3</u>			<u>X</u>	
			. Density	0.0	<u>0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?					
Sec. Z				X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	On-site I Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for trea	atment, disposal, or	r recycling?			
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	pped in 2011	
Site 1	<u>UTD981552177</u>		<u>H040</u>			0.80	
Site 2							
Site 3							
Commo	ents CATHODE RAY TUBES (CRT) REM WEAPONS FACILITIES OPERATION off-specification, out-of-date, and/or u	OVED FROM O N (WFO) DIVISI Inused chemical	LD NON-FUNCTION ON Other inorga Is or products (Unuse	ING INSTRUME nic solids (speci	ENTS AND EQUPIME ify in comments) FRC uding U and P listed w	NT WITHIN M:Discarding (astes) Waste Min: No	

OMB#: 2050	-0024 Expires	s 11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardous Waste Report			
	BIKINI ATOLL ROAD, SM-30								
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION			
EPA ID NO: <u>NM0890010515</u>					FORM		NAGEMENT		
Sec. 1	Sec. 1 A. Waste CONCRETE SURROUNDED BY LEAD Description								
B. EPA Hazardous Waste Code(s) D008			C. State Haz	zardous Was	te Code(s)				
D. Sour	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste		
G	15	WOOD				463.30	minimization code		
Manage	ment Method code for Source code G25	<u>W00Z</u>			x				
				<u> </u>					
	. De			Density	0.0	<u>)0</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?	?							
Sec. 2					X N	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS	TEM 1			C	N-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treatec ethod code recycled on-site	d, disposed, o e in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre	eatmer	nt, disposal, or	recycling?				
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011		
Site 1	COD991300484			<u>H132</u>			<u>459.49</u>		
Site 2	<u>UTD981552177</u>			<u>H040</u>			3.81		
Site 3									
Comm	ents Contaminated debris: paper, clo equipment change-out or discontinue minimization	othing, rags, wo e use of equipm	od, em ient (fin	pty fiber or plast al materials and	ic containers, l residuals rem	glass, piping, othe FF noval including cleanin	COM:Process g) Waste Min: No		

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPA ID NO: NM0890010515				GM FORM	2011 Hazardo WASTE G AND MAN	ous Waste Report ENERATION NAGEMENT		
Sec. 1	A. Waste SQUIB ASSEMBLY Description							
B. EPA I	Hazardous Waste Code(s) D008			C. State Haz	zardous Wast	te Code(s)		
D. Sourc <u>G</u> Manager	ce Code <u>15</u> ment Method code for Source code G25	ce code G25		F.Quantity G UOM <u>3</u> Density	Generated in 2011 <u>3.62</u> <u>0.00</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?				X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	pr	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	TNR000005397			<u>H112</u>			3.62	
Site 2								
Site 3								
Comme	ents Metal scale, filings and scrap (in (in (final materials and residuals removal	luding metal o including clea	L drums) Ining) \	FROM:Process Vaste Min: No n	l equipment ch ninimization	ange-out or discontinu	ue use of equipment	

OIVID#. 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	RE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ITER:				PROTECTION AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL :	LABORATO	RY		2011 Hazardo	ous Waste Report		
	BIKINI ATOLL ROAD,	SM-30			]			
LOS ALAMOS, NM 87545					WASTE GI	ENERATION		
				FORM		AGEMENT		
	<u>NM0890010515</u>				]			
Sec. 1 A. Waste GLASS WITH LEAD OXIDE - Description				SHIELDIN	G GLASS			
B. EPA	Hazardous Waste Code(s)		C. State Ha	zardous Wast	e Code(s)			
				Concreted in (	2011	G Wasta		
D. Sourc	. Source Code E. Form Code F.Quan				401 40	minimization code		
Managa	15	<u>W319</u>			<u>401.43</u>	v		
wanage	ment Method code for Source code G25	UC				<u>^</u>		
			. Density	0.0	<u>0</u> spec.gra			
Sec. 2	Sec. 2 Was any of this waste managed on-site?							
I SEC. Z	, ,							
Sec. Z	, ,			X No	O(SKIP TO S	EC. 3)		
Sec. Z	ON-SITE PROCESS SYS	ГЕМ 1		X No	N-SITE PROCESS	EC. 3) SYSTEM 2		
On-site	ON-SITE PROCESS SYST Management Quantity treated	FEM 1 I, disposed, or	On-site	X No O Management	O (SKIP TO S N-SITE PROCESS Quantity tr	EC. 3) SYSTEM 2 reated, disposed, or		
On-site	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Met	X No O Management nod code	O (SKIP TO S N-SITE PROCESS Quantity tu recycled o	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Met	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Meti	X No O Management nod code	O (SKIP TO S N-SITE PROCESS Quantity tr recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST Management Quantity treated ethod code recycled on-site	<b>FEM 1</b> I, disposed, or in 2011	On-site Met	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST Management Quantity treated athod code recycled on-site A. Was any of this waste shipped off site in X Yes (CONTINUE TO IT	<b>FEM 1</b> I, disposed, or in 2011	On-site Meti	X No O Management nod code	O (SKIP TO S N-SITE PROCESS Quantity tr recycled c	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011		
On-site	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       TO         B. EPA ID No. of facility to which waste waste	FEM 1 I, disposed, or in 2011 in 2011 for tre FEM B) s shipped	On-site Met atment, disposal, o	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled c D. Total quantity shi	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011 ipped in 2011		
Sec. 2 On-site Me	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       TO IT         B. EPA ID No. of facility to which waste waste	rem 1 I, disposed, or in 2011 in 2011 for tre rem B) s shipped	On-site Meti atment, disposal, o C. Off-site Manag Method code ship	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011		
Sec. 2 On-site Me	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       TO         B. EPA ID No. of facility to which waste was       UTD981552177	FEM 1 I, disposed, or in 2011 in 2011 for tre FEM B) s shipped	On-site Meth atment, disposal, o C. Off-site Manag Method code ship <u>H040</u>	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>226.80</u>		
Sec. 2 On-site Me Sec. 3	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177         UTD982598898	rEM 1 I, disposed, or in 2011 in 2011 for tre rEM B) s shipped	On-site Meth atment, disposal, o C. Off-site Manag Method code ship <u>H040</u>	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>226.80</u> 174.63		
Sec. 2 On-site Me Site 1 Site 2	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177       UTD982598898	FEM 1 I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	On-site Meth atment, disposal, o C. Off-site Manag Method code ship <u>H040</u> <u>H132</u>	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) <b>SYSTEM 2</b> reated, disposed, or on-site in 2011 ipped in 2011 <u>226.80</u> <u>174.63</u>		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177       UTD982598898	rem 1 I, disposed, or in 2011 in 2011 for tre rem B) s shipped	On-site Meth atment, disposal, o C. Off-site Manag Method code ship <u>H040</u> <u>H132</u>	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 226.80 <u>174.63</u>		
Sec. 2 On-site Me Site 1 Site 2 Site 3	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177       UTD982598898         UTD982598898       ESEARCH / DEVELOPMENT / TESE	rem 1 I, disposed, or in 2011 in 2011 for tre TEM B) s shipped	C. Off-site Manage Method code ship <u>H040</u> <u>H132</u>	X No O Management nod code	D (SKIP TO S N-SITE PROCESS Quantity to recycled of D. Total quantity shi	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 226.80 174.63		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3 Commo	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site i       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177       UTD982598898         ents       RESEARCH / DEVELOPMENT / TES or discontinue use of equipment (final	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for tre         TEM B) <b>s shipped</b> STING Other         I materials and	On-site Meth atment, disposal, o C. Off-site Manag Method code ship <u>H040</u> <u>H132</u> er inorganic solids (sp residuals removal inc	X No O Management nod code r recycling? ement ped to cify in comment luding cleaning)	D (SKIP TO S: N-SITE PROCESS Quantity to recycled of D. Total quantity shi Total quantity shi P. Total quantity shi Maste Min: No minin	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 226.80 <u>174.63</u> equipment change-out nization		
Sec. 2 On-site Me Sec. 3 Site 1 Site 2 Site 3 Commo	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site is       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177       UTD982598898         ents       RESEARCH / DEVELOPMENT / TES         or discontinue use of equipment (final	<b>FEM 1</b> I, disposed, or         in 2011         in 2011 for tre         TEM B) <b>s shipped</b> STING Other         I materials and	On-site Meth atment, disposal, o C. Off-site Manag Method code ship <u>H040</u> <u>H132</u> er inorganic solids (sp residuals removal inc	X No O Management nod code r recycling? ement ped to c recycling?	D (SKIP TO S N-SITE PROCESS Quantity ti recycled of D. Total quantity shi nts) FROM:Process e Waste Min: No minin	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 226.80 174.63 equipment change-out nization		
Sec. 2 On-site Me Site 1 Site 2 Site 3 Commo	ON-SITE PROCESS SYST         Management       Quantity treated         ethod code       recycled on-site         A. Was any of this waste shipped off site if       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177       UTD982598898         ents       RESEARCH / DEVELOPMENT / TES or discontinue use of equipment (final	TEM 1         I, disposed, or         in 2011         in 2011 for tre         TEM B)         s shipped         STING Other         I materials and	C. Off-site Manage Method code ship <u>H040</u> <u>H132</u> er inorganic solids (sp residuals removal inc	X No O Management nod code r recycling? ement ped to comment comment ped to comment commen	D (SKIP TO S: N-SITE PROCESS Quantity to recycled of D. Total quantity shi Total quantity shi hts) FROM:Process e Waste Min: No minin	EC. 3) SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 226.80 174.63 equipment change-out nization		

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD,	LABORATO	DRY		2011 Hazard	ous Waste Report		
LOS ALAMOS, NM 8754	5		GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>					NAGEMENT		
Sec. 1 A. Waste LEAD SCRAP Description							
B. EPA Hazardous Waste Code(s) D008		C. State H	azardous Wast	te Code(s)			
D. Source Code	Source Code E. Form Code			2011	G.Waste		
<u>G19</u>	W002		<u>8</u>	3,281.05	minimization code		
Management Method code for Source code G25		UOM 3		X			
		. Density	0.0	<u>)0</u> spec.gra			
Sec. 2 Was any of this waste managed on-site	e?						
	OTEM 4		X NO	O (SKIP TO S	SEC. 3)		
On-site Management Quantity treat	ed. disposed. o	r On-site	On-site Management Quantity treated, disposed, or				
Method code recycled on-si	te in 2011	Me	thod code	recycled	on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site	e in 2011 for tre	eatment. disposal. d	or recyclina?				
X Yes (CONTINUE TO )	TEM B)		5				
B. EPA ID No. of facility to which waste w	as shipped	C. Off-site Manag Method code shi	gement pped to	D. Total quantity sh	ipped in 2011		
Site 1 <u>FLD980711071</u>		<u>H061</u>		<u>539.78</u>			
Site 2 <u>UTD981552177</u>		<u>H040</u>	86.6				
Site 3 <u>UTD982598898</u>	<u>UTD982598898</u>		7,654.63				
Comments LEAD USED THROUGHOUT TA-1 empty fiber or plastic containers, gl Min: No minimization	8 TO SHIELD A ass, piping, othe	GAINST RADIOACTI FROM:Other one-tir	VITY. Conta ne or intermittent	iminated debris: pape t processes(specify in	r, clothing, rags, wood, comments) Waste		

OMB#: 2	2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY					
SITE NA	ME <u>los alamos national</u> :	LABORATO	ORY			2011 Hazard	ous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>					·		
LOS ALAMOS, NM 87545					GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAR	NAGEMENT			
Sec. 1	A. Waste VACUUM SYSTEM Description W/RAINWATER	COMPONEI	NTS I	FROM WET	F GLOV	EBOX DISPOSI	TION ALONG		
B. EPA	Hazardous Waste Code(s) D008			C. State Haz	ardous Wa	ste Code(s)			
D. Sour	D. Source Code E. Form Code F.Quantity			F.Quantity G	enerated ir	1 2011	G.Waste		
G. Court	719 W210			,,	38.55				
Manage	ment Method code for Source code G25	<u>W319</u>		UOM 3			X		
				Density	0.	<u>00</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?	2			X	No(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmen	t. disposal. or	recvclina?				
000.0	X Yes (CONTINUE TO IT	TEM B)		,p,					
	B. EPA ID No. of facility to which waste was	shipped	C. O Meth	ff-site Manager nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1	FLD980711071			<u>H111</u>			<u>38.55</u>		
Site 2									
Site 3									
Comm	ents VACUUM SYSTEM COMPONENTS FROM:Other one-time or intermittent	FROM WETF processes(spe	GLOVE ecify in c	BOX DISPOSIT comments) Was	TON. Of ste Min: No r	ther inorganic solids (sp ninimization	ecify in comments)		

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL				U.S. ENVIP	ONMENTAL
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545					GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>						FORM		AGEMENT
Sec. 1	Sec. 1 A. Waste DEBRIS CONTAMINATED WITH LEAD (BLDG209/152) Description							
B. EPA	Hazardous Waste Code(s) D008			C. State Haz	zarc	dous Waste	e Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity G	Gene	erated in 2	2011	G.Waste
<u>G</u>	<u>G19</u> W409			<u>1,723.00</u> minimization code				
Management Method code for Source code G25			UOM <u>3</u>				<u>X</u>	
				Density		0.0	<u>0</u> spec.gra	
Was any of this waste managed on-site?								
Sec. Z						X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	EM 1				OI	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
		n 2011 for the	4					
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	EM B	eatmer	nt, disposal, or	r rec	cycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	eme ped	nt to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD982598898</u>			<u>H132</u>				<u>1,723.00</u>
Site 2								
Site 3								
Comm	Comments         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							

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>los alamos national :</u>	LABORATO	DRY			2011 Hazard	ous Waste Report	
BIKINI ATOLL ROAD, SM-30								
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION		
EPAID NO: <u>NM0890010515</u>				FORM		NAGEMENT		
Sec. 1	A. Waste OXYGEN SENSOR Description	- LEAD				_		
B. EPA Hazardous Waste Code(s) D008 C. Sta			C. State Haz	zardous Was	ste Code(s)			
D. Sourc	D. Source Code E. Form Code			F.Quantity Generated in 2011 G.Waste				
G	22	W119				1.36	minimization code	
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?							
Sec. z					X N	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO I	TEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code ship	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.36</u>	
Site 2								
Site 3								
Comm	ents FIRING SITE ACTIVITIES Other from laboratory operations)) Waste N	inorganic liquid Iin: No minimiz	d (spec zation	ify in comments	) FROM:Labo	oratory analytical waste	es (used chemicals	

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	\BEL				U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						-
	<u>LOS ALAMOS, NM 87545</u>					GIVI	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM		IAGEMENT	
Sec. 1	Sec. 1 A. Waste GLOVE BAGS USED IN THE REPACKAGING OF TRU WASTE WASTE WILL Description CARRY CODE D008							
B. EPA I	. EPA Hazardous Waste Code(s) D008			C. State Haz	zaro	dous Waste	e Code(s)	
D. Source Code E. Form Code			F.Quantity G	Gen	erated in 2	2011	G.Waste	
<u>G</u>	22	<u>W219</u>					44.80	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>X</u>
				Density		0.0	<u>0</u> spec.gra	
	Was any of this waste managed on-site?	)						
Sec. 2						X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS1	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	, disposed, o	r	On-site Management Quantity treated, disposed, or				
IVIE	ethod code recycled on-site	11 2011		Method code recycled on-site in 2011				
Soc. 3	A Was any of this waste shinned off site i	n 2011 for tre	eatmer	t disposal or	r red	cyclina?		
000.0	X Yes (CONTINUE TO II	EM B)	Jaamor	n, diopoodi, or	100	syoning.		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	eme ped	nt I to	D. Total quantity sh	ipped in 2011
Site 1	<u>FLD980711071</u>			<u>H141</u>				44.80
Site 2								
Site 3								
Commo	GLOVE BAGS ARE GENERATED D ITEMS THAT ARE NOT ABLE TO BE BAG ASSEMBLY; THE CONTENTS	URING THE R E DISPOSED A ARE REMOVE	EPACK AT WIP ED FRC	(AGING OF TRL P. THE TRU PA ) Other orga	U W ARE anic	ASTE CON	TAINERS THAT CON INERS ARE ATTACH ify in comments) FR	TAIN PROHIBITED HED TO THE GLOVE OM:Laboratory

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	SM-30						·
	LOS ALAMOS, NM 87545					GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				F	ORM	AND MAN	IAGEMENT
Sec. 1 A. Waste TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION Description PROGRAM (TWCP). THIS WASTE STREAM WILL COVER A VARIETY OF TRU WASTE STREAMS THAT HAVE BEEN REPACKAGED.								
B. EPA I	Hazardous Waste Code(s) D008			C. State Haz	zard	lous Waste	e Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity Generated in 2011 G.Waste				
<u>G</u>	22	<u>W319</u>	W319				minimization code	
Management Method code for Source code G25			UOM <u>1</u>				<u>X</u>	
				Density		0.0	<u>0</u> spec.gra	
Was any of this waste managed on-site?								
Sec. 2						X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	eatmer	nt, disposal, or	rec	ycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	emer ped	nt to	D. Total quantity sh	ipped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>				<u>25,283.49</u>
Site 2								
Site 3								
Comme	SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Labora	WASTE PRO	OCESSI wastes	NG FROM LANI (used chemical	ILS V als fro	WEAPONS om laborato	PROGRAM Othe ry operations)) Wast	er inorganic solids e Min: No minimization

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazard	ous Waste Report	
LOS ALAMOS, NM 87545					WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>						NAGEMENT	
Sec. 1 A. Waste LEAD TRAP Description							
B. EPA Hazardous Waste Code(s) D008			C. State Haz	ardous Wast	e Code(s)		
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G22</u>	W319				131.77	minimization code	
Management Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
			Density	0.0	<u>00</u> spec.gra		
Sec. 2 Was any of this waste managed on-site	?					•	
				X N	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1	or.	On site N	ON-SITE PROCESS SYSTEM 2			
Method code recycled on-sit	e in 2011	ונ	Meth	od code	recycled	on-site in 2011	
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO I	in 2011 for tre TEM B)	eatmen	it, disposal, or	recycling?			
B. EPA ID No. of facility to which waste wa	is shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1 <u>FLD980711071</u>			<u>H111</u>			35.38	
Site 2 <u>UTD982598898</u>			<u>H132</u>		96.39		
Site 3							
Comments REMOVAL OF LEAD P-TRAP BELC (used chemicals from laboratory ope	OW SINK C erations)) Wast	Dther ino te Min: N	organic solids (s No minimization	pecify in comm	ents) FROM:Laborat	ory analytical wastes	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME <u>LOS ALAMOS NATIONAL 1</u> BIKINI ATOLL ROAD, 5	<u>LABORATO</u> SM-30	<u>ORY</u>			2011 Hazard	ous Waste Report
	LOS ALAMOS, NM 87545	<u></u>			GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste LEAD IMPACTED S Description	SOIL					
B. EPA I	Hazardous Waste Code(s) D008			C. State Haz	ardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	<u>42</u>	<u>W301</u>			6	4,964.59	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
			•	Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			XN	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site M Metho	lanagement od code	Quantity recycled	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	ıt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	COD991300484			<u>H132</u>			64,765.00
Site 2	<u>UTD982598898</u>			<u>H132</u>			199.58
Site 3							
Comme	ents Contaminated soil (usually from under RCRA Waste Min: No minimiz	remediation, d ation	lemolitic	on, or cleaning)	FROM:Corre	ctive action at a solid w	vaste management unit

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVI PROTECT	RONMENTAL ION AGENCY
SITE NA	ITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazard	lous Waste Report
LOS ALAMOS, NM 87545							
	<u>NM0890010515</u>						
Sec. 1	A. Waste WASTE ELEMENTA Description	L LEAD					
B. EPA I	Hazardous Waste Code(s) D008		C. :	State Haz	zardous Wa	aste Code(s)	
D. Sourc	ce Code	E. Form Coo	de F.C	uantity G	Generated in	n 2011	G.Waste minimization code
<u>G</u> Managei	<u>42</u> ment Method code for Source code G25	<u>W307</u>				21.09	x
			. De	nsity	0.	<u>.00</u> spec.gra	_
Sec. 2	Was any of this waste managed on-site?	2			X	No(SKIP TO S	SEC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, or ⊨in 2011	r	On-site Meth	Managemer nod code	nt Quantity recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for trea	atment, dis	posal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-sit Method o	e Manage ode ship	ement ped to	D. Total quantity sł	nipped in 2011
Site 1	<u>COD991300484</u>		<u>H1</u>	<u>32</u>			<u>21.09</u>
Site 2							
Site 3							
Comme	ents Metal scale, filings and scrap (in Waste Min: No minimization	cluding metal d	lrums) FRO	M:Correct	ive action at	a solid waste managem	nent unit under RCRA

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	<u>ORY</u>		_	2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAI	NAGEMENT
Sec. 1 A. Waste MERCURY, HAZARD CLASS 8, CORROSIVE, PACKING GROUP III, D009, Description RCRA -TOXIC METAL						II, D009,	
B. EPA I	Hazardous Waste Code(s) U151 D00	09		C. State Haz	zardous Wa	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Generated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W001</u>				0.45	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	?					
Sec. 2					X	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, c ⊧in 2011	or	On-site M Meth	Managemen nod code	t Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre TEM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C.C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.45
Site 2							
Site 3							
Comme	Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including l	m any s U and F	source) FROM:I Plisted wastes)	Discarding off Waste Min: N	<sup>f</sup> -specification, out-of-da No minimization	ite, and/or unused

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIF PROTECTI	ONMENTAL ON AGENCY		
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATO	<u>DRY</u>			_ 2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>5M-30</u>			GM			
	$\frac{105 \text{ ALAMOS}, \text{ NM } 87345}{0 \text{ NO}}$				FORM			
	<u>NM0890010515</u>							
Sec. 1	A. Waste MERCURY GENERA' Description	FED FROM	M PL	UTONIUM	PROCESS	SING ACTIVIT	IES	
B. EPA	Hazardous Waste Code(s) D009			C. State Haz	ardous Was	te Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>09</u>	<u>W519</u>				0.00	minimization code	
Manage	ment Method code for Source code G25			UOM <u>1</u>			X	
1				Density	0.0	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?						-	
Sec. Z					X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			ON-SITE PROCESS SYSTEM 2			
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre EM B)	eatmer	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>NM4890139088</u>			<u>H132</u>			76.20	
Site 2								
Site 3								
Comm	ents LEGACY WASTE FROM LANLSHI	PPED TO WIP	P IN 20	)11. TRANSURA	NIC WASTE	PROCESSING FROM muds) FROM:Other p	LANLS WEAPONS	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION L	ABEL			PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORAT	ORY		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAN	AGEMENT
Sec. 1 A. Waste ARSENIC TEST STRIPS (MERCURIC BROMIDE) Description							
B. EPA	Hazardous Waste Code(s) D009			C. State Haz	zardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	11	W001				2.06	minimization code
Manage	ment Method code for Source code G25	<u></u>		UOM 3			X
				Density	0	00 spec gra	
						oo peeigia	
Sec. 2	Was any of this waste managed on-site?	?					
Sec. 2					X N	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			(	ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, c	or	On-site Management Quantity treated, disposed, or			
Me	ethod code recycled on-site	in 2011		Meth	od code	recycled of	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO I	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.22
Site 2	<u>UTD981552177</u>			<u>H141</u> <u>1.83</u>			1.83
Site 3							
Comm	ents Lab packs with no acute hazard	ous waste (froi	m any s	ource) FROM:	Jiscarding off	-specification, out-of-da	te, and/or unused
	chemicals or products (Unused produ	uct - Including	U and P	Plisted wastes)	Waste Min: N	lo minimization	

OMB#: 2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATO	DRY			2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>						
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT	
Sec. 1       A. Waste       PROCESS       ACID       AND       CAUSTIC       WASTE       FF         Description       LIQUID       WASTE       IS       NEUTRALIZED       AND       T         PRECIPITATION       USING       CALCIUM       HYDRO         SOLIDIFIED       WITH       PORTLAND       CEMENT       I         B. EPA Hazardous       Waste       Code(s)       C. State Hazardous				COM TA-5 THEN CON XIDE. T NA 55= zardous Was	S OPERATION ICENTRATED E THE CONCENTR (GALLON DRUM IN CODE(S)	IS. THIS BY LATE IS THEN I.	
D009							
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste minimization code	
Managentiant Method code for Source code G25	W319		UOM		0.00	X	
			Density1				
			Density	0.0	) <u>0 spec.gra</u>		
Sec. 2 Was any of this waste managed on-site?	?						
ON-SITE PROCESS SYS	TEM 1			X ON-SITE PROCESS SYSTEM 2			
On-site Management Quantity treated	d, disposed, o	r	On-site Management Quantity treated, disposed, or			reated, disposed, or	
	2011		Meth	ioa coae	recycled		
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatmen	ıt, disposal, or	recycling?			
B. EPA ID No. of facility to which waste was shipped C. Mo		C. C Met	)ff-site Manage hod code ship	ment ped to	D. Total quantity shipped in 2011		
Site 1 <u>NM4890139088</u>	te 1 <u>NM4890139088</u>		<u>H132</u>			2,039.00	
Site 2							
Site 3							
Comments SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Discar Including U and P listed wastes) Wa	C WASTE PRO ding off-specifi ste Min: No mir	CESSII cation, nimizati	NG FROM LAN out-of-date, and on	LS WEAPONS	B PROGRAM Othe emicals or products (U	er inorganic solids nused product -	

OMB#·	2050-0024	Expires	11/30/2011
$OND\pi$ .	2000-0024	LAPIICS	11/00/2011

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY				
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazard	ous Waste Report	
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAI	NAGEMENT	
Sec. 1	A. Waste ELEMENTAL MERCI Description	URY						
B. EPA I	Hazardous Waste Code(s) D009			C. State Haz	ardous Wast	te Code(s)		
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in 2	2011	G.Waste	
<u>G</u>	<u>13</u>	<u>W117</u>				0.17		
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	?			X No	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, o ⊨in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatment	t, disposal, or	recycling?			
	X Yes (CONTINUE TO II	CEM B)		CC - 14 - BA				
	B. EPA ID No. of facility to which waste was	s shipped	Meth	nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>FLD980711071</u>			<u>H111</u>			0.17	
Site 2								
Site 3								
Comme	ents Waste liquid mercury (metallic) processes including internal scrubbin	) FROM:Cleani g or cleaning)	ing out p Waste I	process equipm Min: No minimiz	ent (periodic s ation	ludge or residual rem	oval from enclosed	

OMB#:	2050-0024	Expires	11/30/2011
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Comm	ents Metal scale, filings and scrap (in (final materials and residuals removal	cluding metal o including clea	drums) Ining) V	FROM:Process Vaste Min: No m	equipment ch	ange-out or discontinu	ue use of equipment
Site 3							
Site 2							
Site 1	TNR000005397			<u>H111</u>			6.80
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Sec. 3	X Yes (CONTINUE TO IT	EM B)	saumen	it, disposal, or			
	A Was any of this wasta shinned off site i	n 2011 for tro	atmon	t disposal or	recycling?		
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
Sec. 2	Was any of this waste managed on-site?				X N	o(SKIP TO S	EC. 3)
Manage				Density	0.0	<u>)0</u> spec.gra	<u>**</u>
<u>G</u> Manage	<u>15</u> ment Method code for Source code G25	<u>W307</u>				<u>6.80</u>	X
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
B. EPA	Hazardous Waste Code(s) D009			C. State Haz	ardous Was	te Code(s)	
Sec. 1	A. Waste STAINLESS STEED Description	L TRAP	1	0.01			
EPA II	NO: <u>NM0890010515</u>		FORM		NAGEMENT		
LOS ALAMOS, NM 87545					GM	WASTE G	ENERATION
BIKINI ATOLI, ROAD, SM-30							ous waste Report
	ER:					PROTECTI	
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL						U.S. ENVIE	

OMB#: 2050-0024 Expires 11/30/2011					
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIE PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS NM 87545				2011 Hazardo	ous Waste Report
EPA ID NO: <u>NM0890010515</u>			FORM	AND MAN	AGEMENT
Sec. 1 A. Waste TRITIUM CONTAM Description AREA.	INATED F	FLUORESCENT	BULBS R	EMOVED FROM	CONTROLLED
B. EPA Hazardous Waste Code(s) D009	B. EPA Hazardous Waste Code(s) D009 C. Stat				
D. Source Code	E. Form Co	de F.Quantity 0	Generated in 2	2011	G.Waste
<u>G15</u>	<u>W319</u>			15.00	
Management Method code for Source code G25		UOM <u>3</u>			X
		. Density	0.0	<u>0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site	?		V N		
On-site Management Quantity treated Method code recycled on-site	d, disposed, or in 2011	r On-site I Meth	Management nod code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	<b>in 2011 for tre</b> ГЕМ В)	atment, disposal, o	r recycling?		
B. EPA ID No. of facility to which waste was	B. EPA ID No. of facility to which waste was shipped		ement oped to	D. Total quantity shipped in 2011	
Site 1 <u>FLD980711071</u>		<u>H111</u>			<u>15.00</u>
Site 2					
Site 3					
Comments FLUORESCENT BULBS REMOVED APPROVED BY SME MARK WATEI AND MAY AFFECT THE FINAL DIS equipment change-out or discontinue minimization	FROM CONT RMAN ON 12/5/ POSITION OF T suse of equipme	ROLLED AREA.[A DIS /01. RADIOLOGICAL ITHIS WA Other in ent (final materials and	POSAL PATH INFORMATION organic solids ( d residuals remo	FORWARD HAS BEE I MUST BE PROVIDE specify in comments) oval including cleaning	N DETERMINED AND D ON THE CWDR FROM:Process g) Waste Min: No

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	DRY			_ 2011 Hazardo	ous Waste Report
EPA II	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>SM-30</u>			GM FORM	WASTE G	ENERATION NAGEMENT
Sec. 1	A. Waste BROKEN FLUORES Description CARDBOARD, PLA	CENT LAM STIC, RA	IPS : AGS,	THAT CON ETC)	ITAMINAT	ED LAB TRAS	H, (PAPER,
B. EPA	Hazardous Waste Code(s) D009			C. State Haz	zardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
Managa	<u>19</u> mont Mathed and for Source and C25	<u>W002</u>				1.20	v
, ,	ment Method code for Source code G25			UOM <u>3</u> Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	ГЕМ 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	r	On-site Meth	Aanagement od code	Quantity t recycled c	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. O Meth	ff-site Manage nod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.70
Site 2	<u>UTD981552177</u>			<u>H141</u>			0.50
Site 3							
Comm	ents FACILITY CLEANUP OF BROKEN F plastic containers, glass, piping, othe minimization	LUORESCENT FROM:Other c	Γ LAMP one-time	S. Contam e or intermitten	inated debris: t processes(sp	paper, clothing, rags, v becify in comments) W	wood, empty fiber or /aste Min: No

OMB#: 2	2050-0024 Expires 11/30/2011					
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:		U.S. ENVIE PROTECTI	ONMENTAL		
SITE NA	ME LOS ALAMOS NATIONAL		2011 Hazardo	ous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>				
	LOS ALAMOS, NM 87545			GIVI	WASTE G	ENERATION
	<sup>D NO:</sup> <u>NM0890010515</u>			FORM	AND MAN	AGEMENT
Sec. 1	A. Waste MIXED LOW-LEVE Description	L WASTE	(USED LAMPS	5, H-3)		
B. EPA	ו Hazardous Waste Code(s) אחחת		C. State Ha	zardous Wast	te Code(s)	
	ce Code	E Form Cod	e F.Quantity C	Generated in 2	2011	G.Waste
G. Court	19	W220			630.11	minimization code
Manage	ment Method code for Source code G25	<u>W320</u>	UOM 3			X
			Density	0 0	0 anna ara	
			Denoty		<u>JU</u> spec.gra	
Sac. 2	Was any of this waste managed on-site?	?				
Sec. Z				X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1		0	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated	l, disposed, or	On-site I	Management	Quantity t	reated, disposed, or
	ethod code recycled on-site	IN 2011	Metr	10d code	recycled	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for trea	tment, disposal, or	recycling?		
	X Yes (CONTINUE TO IT	TEM B)	0.0% × N			
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage Method code ship	ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD982598898</u>		<u>H132</u>			<u>630.11</u>
Site 2						
Site 2 Site 3						
Site 2 Site 3	ents REMOVAL OF USED LAMPS. E	lectrical devices	(lamps, thermostats,	, CRTs, etc) (flu	Jorescents, etc usually	Mercury or lead
Site 2 Site 3 Comm	ents REMOVAL OF USED LAMPS. E containing FROM:Other one-time or	lectrical devices	(lamps, thermostats, esses(specify in com	, CRTs, etc) (flu iments) Waste	uorescents, etc usually Min: No minimization	Mercury or lead
Site 2 Site 3 Comm	ents REMOVAL OF USED LAMPS. E containing FROM:Other one-time or	lectrical devices	(lamps, thermostats, esses(specify in com	, CRTs, etc) (flu iments) Waste	uorescents, etc usually Min: No minimization	Mercury or lead

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national i</u>	LABORATO	RY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>5M-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAN	IAGEMENT
Sec. 1	A. Waste CELLULOSE PRODU Description USED FOR CLEAN VACUUM GREASE.	JCTS, NI ING GLAS	TRILE SWARE	GLOVE AND C	S, LATE CONTAINE	X AND VACUU RS OF MERCU	M GREASE RY AND
B. EPA I	Hazardous Waste Code(s) D009		C. S	State Haz	ardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	de F.Q	uantity G	enerated in	2011	G.Waste
<u>G</u>	22	<u>W319</u>				0.45	minimization code
Manager	ment Method code for Source code G25		UC	ОМ <u>з</u>			<u>X</u>
			. De	nsity	0.(	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	1					
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r i	On-site N Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment. dis	posal. or	recvclina?		
	X Yes(CONTINUE TO II	'EM B)	,	, .	5		
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Method c	e Manage ode ship	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>		<u>H0</u>	<u>40</u>			0.45
Site 2							
Site 3							

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECT	RONMENTAL	
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				]	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste METALS CONTAMIN Description	NATED WI	ITH I	MERCURY.			
B. EPA I	Hazardous Waste Code(s) D009			C. State Haz	ardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	W409				7.93	minimization code
Manager	ment Method code for Source code G25			UOM 3			<u>X</u>
				Density	0.(	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	i, disposed, o in 2011	r	On-site M Meth	lanagement od code	Quantity f recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	t, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. O Meti	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			7.93
Site 2							
Site 3							
Comme	MERCURY SHUTTER SYSTEM MAI     analytical wastes (used chemicals fro	NTENANCE/U m laboratory o	I JPGRA( operation	GE Other or ns)) Waste Min:	ganic solids (s No minimizat	specify in comments) ion	FROM:Laboratory

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ONMENTAL ON AGENCY	
SITE NAME LOS ALAMOS NATIONAL LABORATORY							2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						·
	LOS ALAMOS, NM 87545				GIV	/I	WASTE G	ENERATION
EPA II	NO: <b>NM0890010515</b>				FOR	RM		NAGEMENT
Sec. 1 A. Waste WASTE CONSISTS OF MERCURY/SULFUR MIXTURE. ALONG WITH GLOVES, Description WIPES, AND BAGS USED TO CLEAN UP THE SPILL. ALL SEALED IN A 5 GALLON BUCKET.								
B. EPA	Hazardous Waste Code(s) D009			C. State Haz	ardous	Wast	e Code(s)	
		1						
D. Source	ce Code	E. Form Co	de	F.Quantity G	enerate	d in 2	2011	G.Waste
<u>G</u>	32	<u>W002</u>					2.72	
Manage	ment Method code for Source code G25			UOM <u>3</u>				<u>×</u>
				Density		0.0	<u>0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)						
000.2					Х	No	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	FEM 1				0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, ol in 2011	r	On-site M Meth	lanagen od code	nent	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recyclin	g?		
	X Yes(CONTINUE TO II	TEM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to		D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H141</u>				2.72
Site 2								
Site 3								
Commo	Comments       Contaminated debris: paper, clothing, rags, wood, empty fiber or plastic containers, glass, piping, othe FROM:Cleanup of spill residues Waste Min: No minimization							

	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national</u> :	LABORATO	<u>ORY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE GI	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM		AGEMENT
Sec. 1	A. Waste SENSIDYNE (DRA Description (D010)	EGER) GI	ENERAI	L HYDRO	CARBONS	DETECTOR T	UBES
B. EPA I	Hazardous Waste Code(s) D010		C	C. State Haz	ardous Waste	e Code(s)	
D. Sourc	e Code	E. Form Co	ode F	Quantity G	enerated in 2	2011	G.Waste
G	11	W001				0.83	minimization code
Manager	nent Method code for Source code G25	<u></u>		UOM 3			<u>X</u>
				Density	0.0	0 spec.gra	
						<u>o</u> ppcc.gra	
Sec. 2	Was any of this waste managed on-site?	?					
					X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1			OI	N-SITE PROCESS	SYSTEM 2
On-site	ON-SITE PROCESS SYS Management Quantity treated thod code recycled on-site	TEM 1 d, disposed, o	or	On-site M	OI lanagement	N-SITE PROCESS Quantity t	SYSTEM 2 reated, disposed, or on-site in 2011
On-site	ON-SITE PROCESS SYS           Management         Quantity treated           othod code         recycled on-site	<b>TEM 1</b> d, disposed, o e in 2011	or	On-site M Metho	OI lanagement od code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS Management Quantity treated thod code recycled on-site	TEM 1 d, disposed, o e in 2011	pr	On-site M Metho	OI lanagement od code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site	TEM 1 d, disposed, o e in 2011	or	On-site M Metho	Ol lanagement od code	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated         othod code       recycled on-site         A. Was any of this waste shipped off site         X       Xoo (CONTINUE <to) td="" to<=""></to)>	TEM 1 d, disposed, o e in 2011 in 2011 for tre	or eatment, c	On-site M Metho disposal, or	Ol lanagement od code recycling?	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         ethod code       recycled on-site         A. Was any of this waste shipped off site       X         X       Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste waste       State waste waste	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B)	eatment, c	On-site M Metho disposal, or	Ol anagement od code recycling?	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       TO         B. EPA ID No. of facility to which waste was	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, c	On-site M Metho disposal, or site Manager d code shipp	Ol lanagement od code recycling? nent ed to	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me Sec. 3	ON-SITE PROCESS SYS Management Quantity treated othod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, c C. Off- Method	On-site M Metho disposal, or site Manager d code shipp	Ol lanagement od code recycling? nent ed to	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011
On-site Me Sec. 3	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>UTD981552177</u>	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, c C. Off-t Method	On-site M Metho disposal, or site Manager d code shipp	Ol lanagement od code recycling? ment ed to	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>0.83</u>
On-site Me Sec. 3 Site 1 Site 2	ON-SITE PROCESS SYS Management Quantity treated ethod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was <u>UTD981552177</u>	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, c C. Off-t Method	On-site M Metho disposal, or site Manager d code shipp	Ol lanagement od code recycling? nent ed to	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011 ipped in 2011 <u>0.83</u>
On-site Me Sec. 3 Site 1 Site 2 Site 3	ON-SITE PROCESS SYS Management Quantity treated athod code recycled on-site A. Was any of this waste shipped off site X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was UTD981552177	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, c C. Off- Method	On-site M Metho disposal, or site Manager d code shipp	Ol lanagement od code recycling? ment ed to	N-SITE PROCESS Quantity t recycled c	SYSTEM 2 reated, disposed, or on-site in 2011 pped in 2011 0.83
On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177         ents       Lab packs with no acute hazard	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, c	On-site M Metho disposal, or site Manager d code shipp H040	Ol lanagement od code recycling? nent ed to	N-SITE PROCESS Quantity t recycled c D. Total quantity shi	system 2 reated, disposed, or on-site in 2011 pped in 2011 <u>0.83</u> te, and/or unused
On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177         ents       Lab packs with no acute hazard chemicals or products (Unused products)	TEM 1 d, disposed, o e in 2011 in 2011 for tre TEM B) s shipped	eatment, o C. Off- Method <u>F</u> m any sour U and P lis	On-site M Metho disposal, or -site Manager d code shipp H040 H040 sted wastes) V	OI lanagement od code recycling? nent ed to	N-SITE PROCESS Quantity t recycled c	system 2 reated, disposed, or on-site in 2011 pped in 2011 <u>0.83</u> te, and/or unused
On-site Me Sec. 3 Site 1 Site 2 Site 3 Comme	ON-SITE PROCESS SYS         Management       Quantity treated recycled on-site         athod code       recycled on-site         A. Was any of this waste shipped off site       X         Yes (CONTINUE TO IT       B. EPA ID No. of facility to which waste was         UTD981552177         ents       Lab packs with no acute hazard chemicals or products (Unused products)	TEM 1 d, disposed, o in 2011 in 2011 for tree TEM B) s shipped lous waste (fror uct - Including U	eatment, c C. Off-c Method E m any sour U and P list	On-site M Metho disposal, or disposal, or site Manager d code shipp H040	Ol lanagement od code recycling? ment ed to	N-SITE PROCESS Quantity t recycled c D. Total quantity shi pecification, out-of-da minimization	system 2 reated, disposed, or on-site in 2011 pped in 2011 0.83 te, and/or unused

OMB#: 2050-0024 Expires 11/30/2011								
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ON AGENCY	
SITE NAME LOS ALAMOS NATIO	NAL 1	LABORATC	<u>DRY</u>			2011 Hazardo	ous Waste Report	
BIKINI ATOLL RO	AD, S	<u>SM-30</u>				]		
LOS ALAMOS, NM 8	7545				GIVI	WASTE G	ENERATION	
EPA ID NO: <b>NM089001051</b>	5				FORM	AND MAN	NAGEMENT	
Sec. 1 A. Waste LAB TRASH Description ETC. THIS SPECTROSCC	CONS IS T PY R	ISTING ( HE SAME ESULTS F	OF S WAS FOR	CRAP MET TESTREAM THE URAN	CAL, CEI 1 GENERA 11UM MII	LUOSICS, PI ATED UNDER I L SHOPS, TA	ASTIC, WOOD HE GAMMA A-03,	
B. EPA Hazardous Waste Code(s)	OJEC	<u>r no. 50</u>	)16.	<sup>3</sup> 2. 3000 C. State Haz	zardous Was	te Code(s)		
D01	LO							
D. Source Code		E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste minimization code	
Managendent Method code for Source code	e G25	W002		LIOM		1,179.79	Х	
		<u></u>		Donsitu3			_	
				Density	0_(	) <u> spec gra</u>		
Was any of this waste managed	on-site?	>						
Sec. 2								
ON-SITE PROCES	SS SYS	ГЕМ 1			XN	N-STE PROCESS	SYSTEM 2	
On-site Management Quantity Method code recycled	y treated d on-site	l, disposed, o ⊨in 2011	r	On-site M Meth	Management lod code	Quantity t recycled o	reated, disposed, or on-site in 2011	
Sec. 3 A. Was any of this waste shipped	off site i	in 2011 for tre	atmer	nt, disposal, or	recycling?			
B. EPA ID NO: OF GOINTY TO WHICH W	aste was	s Shipped	C. ( Met	Dff-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011	
Site 1 <u>FLD980711071</u>				<u>H141</u>			<u>1,179.79</u>	
Site 2								
Site 3								
Comments Contaminated debris: p treatment (pickling, heat treat	aper, clo ating, pun	thing, rags, wo iching. bending	od, em , anne	pty fiber or plasi aling, grinding, h	tic containers, nardening, etc.	glass, piping, othe FR ) Waste Min: No minir	OM:Metal forming and nization	
OMB#: 2050-0024 Expires 11/30/2011								
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BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL	LABORATO	DRY		2011 Hazardous Waste Report				
BIKINI ATOLL ROAD,	<u>SM-30</u>			CM				
LOS ALAMOS, NM 87545					WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>				FORM		NAGEMENT		
Sec. 1 A. Waste SOLID WASTE GE Description INVOLVING ORGA	NERATED NIC AND	BY SY ORGAN	NTHESI OMETAL	S AND C	LEANING PRO	CESS		
B. EPA Hazardous Waste Code(s) D022 D0	C.	State Haz	ardous Was	te Code(s)				
F005								
D. Source Code	Source Code E Form Code		Quantity G	enerated in	2011	G.Waste		
G09	W204		1		<u>112.03</u>	minimization code		
Management Method code for Source code G25	<u>M201</u>	ι	JOM 3			<u>X</u>		
		D	ensity	0.0	)0 spec.gra			
					<u></u> .p			
Sec. 2 Was any of this waste managed on-site	?							
				X N	O(SKIP TO S	EC. 3)		
ON-SITE PROCESS SYS	TEM 1			C	N-SITE PROCESS	SYSTEM 2		
On-site Management Quantity treated Method code recycled on-site	a, aisposea, or e in 2011	r	Method code recycled on-site in 2011			on-site in 2011		
,								
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	atment, di	isposal, or	recycling?				
X Yes(CONTINUE TO I	TEM B)							
B. EPA ID No. of facility to which waste wa	s shipped	C. Off-s Method	ite Manage code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1 <u>UTD981552177</u>		<u>H</u>	040			<u>112.03</u>		
Site 2								
Site 3								
Comments SOLID WASTE GENERATED BY S PROCEDURES. MAJOR CONSTITU CHARCOAL, ALUMINA MOLECULA FROM:Other production or service-re No minimization	YNTHESIS AND JENTS INCLUD AR SIEVES, STE elated processes	CLEANIN DE PAPER ( EEL ALUMI s(where the	G PROCES CELITE, GL NUM C e waste is a	S INVOLVING ASS, RUBBE Concentrated P direct outflow	G ORGANIC AND ORG R, LATEX GLOVES, C halogenated/ non-halog or result - specify in c	GANOMETALLIC COTTON SWABS, genated solvent mixture comments) Waste Min:		

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY		
SITE NAME LOS ALAMOS NATIONAL	LABORATOR	RY		2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545		GM	WASTE G	ENERATION		
EPA ID NO: NM0890010515		FORM		AGEMENT		
Sec. 1 A. Waste SOLID WASTE GE. Description INVOLVING ORGA	NERATED E NIC & ORG	BY SYNTHESI GANOMETALLI	S AND C	LEANING PRC DURE.	CESS	
B. EPA Hazardous Waste Code(s) D011 D02	22 F002	C. State Haz	zardous Wast	e Code(s)		
F005						
D. Source Code	e F.Quantity G	Generated in 2	2011	G.Waste		
<u>G09</u>	W319			67.13	minimization code	
Management Method code for Source code G25		UOM <u>3</u>			<u>X</u>	
		Density	0.0	0 spec.gra		
Was any of this waste managed on-site	?					
			X No	O(SKIP TO S	EC. 3)	
ON-SITE PROCESS SYS	TEM 1		0	N-SITE PROCESS	SYSTEM 2	
On-site Management Quantity treated	d, disposed, or	On-site N	On-site Management Quantity treated, disposed, or			
Method code recycled on-site	e in 2011	Meth	Method code recycled on-site in 2011			
Sec. 3 A. Was any of this waste shipped off site	in 2011 for trea	tment, disposal, or	recycling?			
X Yes(CONTINUE TO I	TEM B)					
B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Manage	ement	D. Total quantity shi	ipped in 2011	
		Method code ship	ped to			
Site 1 UTD981552177		<u>H040</u>			67.13	
Site 2						
Site 3						
Comments         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						
L						

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	ME <u>LOS ALAMOS NATIONAL I</u> <u>BIKINI ATOLL ROAD, S</u> <u>LOS ALAMOS, NM 87545</u>	<u>LABORATO</u> SM-30	<u>DRY</u>		GM	2011 Hazardo	ous Waste Report	
EPA ID	NO: <u>NM0890010515</u>		FORM		AGEMENT			
Sec. 1	A. Waste POTASSIUM CHLOP Description	RIDE						
B. EPA I	Hazardous Waste Code(s) D011			C. State Haz	zardous Wast	te Code(s)		
D. Sourc	Source Code E. Form Code		F.Quantity G	enerated in	2011	G.Waste		
<u>G</u>	11	W001			<u>6.76</u> minimization			
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.0	<u>)0</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?				X N	o(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011	
Site 1	FLD980711071			<u>H111</u>		0.22		
Site 2	UTD981552177			<u>H040</u>			6.54	
Site 3								
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (fror	n any s J and F	ource) FROM:D Plisted wastes)	Discarding off-s	specification, out-of-da	te, and/or unused	

OMB#: 20	50-0024	Expires	11/30/2011
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BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL R ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPAID NO: DROBODO10515				GM	2011 Hazardo WASTE G	ous Waste Report	
	<u>NM0890010515</u>				FURI		NAGEMENT	
Sec. 1	A. Waste KODAK GBX FIXED Description	ર						
B. EPA I	Hazardous Waste Code(s) D011			C. State Haz	ardous Was	te Code(s)		
D. Sourc	urce Code E. Form Code		F.Quantity G	enerated in	2011	G.Waste		
G	22	<u>W113</u>				180.53	minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling?			
	X Yes(CONTINUE TO II	'EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. O Meti	ff-site Manage nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>180.53</u>	
Site 2								
Site 3								
Comme	ents Other aqueous waste or wastew operations)) Waste Min: No minimiza	aters (fluid, not tion	sludgy	r) FROM:Labora	atory analytica	al wastes (used chemic	cals from laboratory	

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVIP	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATC	<u>DRY</u>		2011 Hazardous Waste Report		
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FORM		IAGEMENT
Sec. 1	A. Waste THE C02 COULOM Description	ETER IS	USEI	D TO MEA	SURE AQ	UEOUS AND G	ASEOUS C02.
B. EPA I	. EPA Hazardous Waste Code(s) D011			C. State Haza	ardous Wast	te Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity Ge	enerated in	2011	G.Waste
<u>G</u>	22	<u>W219</u>				0.22	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	>					
Sec. Z					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site	e Management Quantity treated	l, disposed, or in 2011	r	On-site Management Quantity treated, disposed, or			
		2011		Method code recycled on-site in 2011			
	A Was any of this wasta shipped off site	in 2011 for tro	atmon	t disposal or	rocycling?		
Sec. 3	X Yes (CONTINUE TO I	TEM B)	aunen	1, 01300581, 01 1	lecycling:		
	B. EPA ID No. of facility to which waste was shipped		C. Off-site Management Method code shipped to		nent	D. Total quantity shipped in 2011	
	B. EPA ID NO. OF facility to which waste was		weu	nou coue snipp	ed to		
Site 1	<u>UTD981552177</u>		weti	<u>H040</u>	ed to		0.22
Site 1 Site 2	<u>UTD981552177</u>		wet	<u>H040</u>	ed to		0.22
Site 1 Site 2 Site 3	<u>UTD981552177</u>			<u>H040</u>	ed to		0.22

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	ORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:				PROTECTI	ONMENTAL ON AGENCY		
SITE NA	ME LOS ALAMOS NATIONAL I	LABORATOR	<u>Y</u>		2011 Hazardo	ous Waste Report		
EPA II	LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	GM FORM	WASTE G AND MAN	ENERATION NAGEMENT				
Sec. 1	Sec. 1 A. Waste LABORATORY TRASH WITH "COOLAMP" LUBE PRODUC Description							
B. EPA	B. EPA Hazardous Waste Code(s) D011			zardous Wast	te Code(s)			
D. Sourc	D. Source Code E. Form Code			F.Quantity Generated in 2011 G.Waste				
G	22	<u>W319</u>			1.36			
Manage	ment Method code for Source code G25		UOM <u>3</u>			X		
Density <u>0.00</u> spec.gra								
Sec 2	Was any of this waste managed on-site?	)						
000.2				X N	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	FEM 1		0	N-SITE PROCESS	SYSTEM 2		
On-site	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	On-site I Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for treatr CEM B)	nent, disposal, or	recycling?				
	B. EPA ID No. of facility to which waste was	shipped	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011		
Site 1	<u>UTD981552177</u>		<u>H040</u>			<u>1.36</u>		
Site 2	2							
0110 2								
Site 3								

OMB#: 2050	0-0024 Expires 11/30/2011						
BEFORE CO OR ENTER:	OPYING FORM, ATTACH SITE IDENTII :	FICATION LA	ABEL			PROTECTI	ON AGENCY
SITE NAME	E LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	<u>LABORATO</u> SM-30	<u>DRY</u>		GM	2011 Hazardo	ous Waste Report
EPA ID N	<sup>IO:</sup> <u>NM0890010515</u>				FORM	AND MAN	AGEMENT
Sec. 1 A.	Waste DRAINED REFRIGE Description	ERATION	OIL	FROM EÇ	QUIPMENT		
B. EPA Hazardous Waste Code(s) D018 D022 D039				C. State Haz	zardous Wast	te Code(s)	
D. Source (	D. Source Code E. Form Code			F.Quantity G	Generated in	2011	G.Waste
<u>G19</u>	) nt Mathad anda far Sauraa anda C25	<u>W206</u>				220.00	v
wanageme	The Method Code for Source Code G25			UOM <u>3</u>			<u> </u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?				X N	O (SKIP TO S	F.( 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site M Metho	lanagement Quantity treated od code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
<b>Sec. 3</b> A.	. Was any of this waste shipped off site in X Yes (CONTINUE TO IT	n <b>2011 for tre</b> 'EM B)	eatment	t, disposal, or	recycling?		
B.	. EPA ID No. of facility to which waste was	shipped	C. O Meth	ff-site Manage nod code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			220.00
Site 2							
Site 3							
Comment	s SCHEDULED MAINTENANCE OF RI Waste oil managed as hazardous was minimization	EFRIGERATIC	DN OIL F ner one∹	FROM VARIOL time or intermit	JS PIECES OF	EQUIPMENT THROU	JGHOUT LANL. Waste Min: No

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national i</u>	LABORATO	<u>ORY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAN	AGEMENT
Sec. 1	A. Waste CELLULOSICS WI Description SOLVENT PURPOSI	TH TRACI ES.	e so	DLVENTS.	SOLVEN	TS USED FOR	THEIR
B. EPA I	Hazardous Waste Code(s) D019 D02	2 F002		C. State Haz	zardous Wast	te Code(s)	
F005							
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	<u>W002</u>			0.45		
Management Method code for Source code G25			UOM <u>3</u>			X	
				. Density	0.0	<u>)0</u> spec.gra	
500.2	Was any of this waste managed on-site?	1					
Jec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	'EM B)			I		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.45
Site 2							
Site 3							
Comme	ents Contaminated debris: paper, clo analytical wastes (used chemicals fro	thing, rags, wo m laboratory o	l ood, em operatio	pty fiber or plast ns)) Waste Min	l tic containers, g : No minimizati	glass, piping, othe FR ion	OM:Laboratory

OMB#: 2	050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL		PROTECTION AGENCY				
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY		2011 Hazardous Waste Report				
	BIKINI ATOLL ROAD,	<u>SM-30</u>							
LOS ALAMOS, NM 87545					GIVI	WASTE G	ENERATION		
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAN	AGEMENT		
Sec. 1	Sec.1 A. Waste TOXIC FLAMMABLE LIQUIDS (19 ITEMS) INCLUDING TOLUENE, BENZENE, Description METHYLENE CHLORIDE, PYRIDINE, 1,1,1-TRICHLOROETHANE, ETC.								
B. EPA Hazardous Waste Code(s) D019 U080 U211 C. State H					ardous Wast	e Code(s)			
D. Sourc	Source Code E. Form Code			F.Quantity G	enerated in 2	2011	G.Waste		
<u>G</u>	11	W001				9.10	minimization code		
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>		
				. Density	0.0	<u>0</u> spec.gra			
00	Was any of this waste managed on-site?	?							
Sec. 2					X No	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre TEM B)	eatmer	nt, disposal, or	recycling?				
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011		
Site 1	UTD981552177			<u>H040</u>			<u>9.10</u>		
Site 2									
Site 3									
Comme	Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including l	m any s U and F	source) FROM:D Plisted wastes) 1	Discarding off-s Waste Min: No	pecification, out-of-da minimization	te, and/or unused		

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				PROTECTION AGENCY		
SITE NA	ME LOS ALAMOS NATIONAL BIKINI ATOLL ROAD,	<u>LABORATO</u> SM-30	<u>RY</u>		GM	2011 Hazardo	ous Waste Report
EPA ID NO: <u>NM0890010515</u>					FORM	WASTE G	
Sec. 1	A. Waste CARBON TETRACH. Description	LORIDE,	TEXA	ACO REGA	AL R&O 2	20(5%	
B. EPA I	B. EPA Hazardous Waste Code(s) D019			C. State Haz	zardous Was	te Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity Generated in 2011 G.Waste minimization code			G.Waste minimization code
Manager	<u>22</u> ment Method code for Source code G25	<u>W202</u>		UOM <u>3</u>		1.01	X
				Density	0.(	<u>)0</u> spec.gra	
Sec. 2	Sec. 2 Was any of this waste managed on-site?						
	ON-SITE PROCESS SYS	ГЕМ 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, or in 2011	-	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for trea	atment	t, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. Of Meth	ff-site Manage nod code shipp	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.81</u>
Site 2							
Site 3							
Comme	ents Concentrated halogenated (E.G operations)) Waste Min: No minimiza	. chlorinated) sc ation	olvent F	FROM:Laborato	ory analytical v	vastes (used chemicals	s from laboratory

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COP OR ENTER:	PYING FORM, ATTACH SITE IDENTI	FICATION LA	BEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30			GM	2011 Hazard	ous Waste Report		
EPA ID NO: <u>NM0890010515</u>		FORM	WASTE G AND MAN	ENERATION NAGEMENT			
<b>Sec. 1</b> A. W	Vaste CHLOROFORM					_	
B. EPA Hazaı	rdous Waste Code(s) D022 U04	-4		C. State Haz	ardous Was	te Code(s)	
D. Source Co	ode	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
<u>G11</u>		<u>W001</u>				0.58	minimization code
Management	Method code for Source code G25			UOM <u>3</u>			X
			·	Density	0.0	<u>)0</u> spec.gra	
Sec. 2	as any of this waste managed on-site?						
				<b></b>	X N	O(SKIP TO S	EC. 3)
0 1 14	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
Method	code recycled on-site	in 2011		On-site M Meth	anagement od code	recycled	pn-site in 2011
Sec. 3 A. W	Vas any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea	atmen	t, disposal, or	recycling?		
B. E	PA ID No. of facility to which waste was	shipped	C. O Meti	off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.58
Site 2							
Site 3							
Comments	Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from ct - Including U	n any so J and P	ource) FROM:E listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE ( OR ENTE	COPYING FORM, ATTACH SITE IDENTII R:	FICATION LA	BEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30				2011 Hazard	ous Waste Report		
	LOS ALAMOS, NM 87545					WASTE G	ENERATION
EPAID	NO: <u>NM0890010515</u>				FORM		NAGEMENI
Sec. 1	A. Waste PHENOL CHLOROF Description	ORM					
B. EPA H	azardous Waste Code(s) U188 D02	22		C. State Haz	ardous Was	te Code(s)	
D. Source	). Source Code E. Form Code		F.Quantity G	enerated in	2011	G.Waste	
<u>G0</u>	) <u>9</u>	<u>W119</u>				0.10	37
Nanagem	ient Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Met	Management Quantity treated thod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	Quantity frecycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	it, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. O Metl	)ff-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.10
Site 2							
Site 3							
Commei	nts BIO-RESEARCH: EXTRACTION NUC service-related processes(where the	LEIC ACID. waste is a direc	Oth ct outflo	er inorganic liqu ow or result - spe	id (specify in c ecify in comme	comments) FROM:Oth ents) Waste Min: No r	ner production or ninimization

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:	FICATION LA	ABEL			U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report	
BIKINI ATOLL ROAD, SM-30					]		
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM		NAGEMENT
Sec. 1	A. Waste PHENOL CHLOROF Description	ORM ETHA	ANOL				
B. EPA I	Hazardous Waste Code(s) D022			C. State Haz	zardous Was	te Code(s)	
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	<u>09</u>	W002				6.80	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?				X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt. disposal. or	recvclina?		
	X Yes(CONTINUE TO II	'EM B)		, <u>,</u> ,	, ,		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>6.80</u>
Site 2							
Site 3							
Comme	ents WASTE FROM RNA/DNA ISOLATON piping, othe FROM:Other production Waste Min: No minimization	N Contami or service-rela	inated c ated pro	lebris: paper, clo ocesses(where tl	othing, rags, w	ood, empty fiber or pla lirect outflow or result	stic containers, glass, - specify in comments)

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545			2011 Hazardous Waste Re GM WASTE GENERATION		ous Waste Report		
EPA ID	NO: <b>NM0890010515</b>				FORM		AGEMENT
Sec. 1	A. Waste CHLOROFORM Description						
B. EPA I	Hazardous Waste Code(s) D022			C. State Haz	ardous Wast	te Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W001</u>				0.50	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
			·	Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling?		
	X Yes(CONTINUE TO IT	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. O Meti	off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.50
Site 2							
Site 3							
Comme	Lab packs with no acute hazard chemicals or products (Unused produ	bus waste (from lict - Including U	n any so J and P	ource) FROM:[ listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	te, and/or unused

OMB#: 20	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ION AGENCY	
SITE NAM	ME <u>los alamos national 1</u>	LABORATO	DRY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID	NO: <b>NM0890010515</b>				FORM		NAGEMENT
Sec. 1       A. Waste       LABORATORY TRASH WITH ABSORBED LIQUIDS. TRASH CONSISTS OF         Description       PLASTIC, GLASSWARE, KIMWIPES AND BENCH PAPER WITH PHENOL,         CHLOROFORM, ETHANOL, ISOPROPANOL, SODIUM ACETATE, ETHIDIUM         B       BROMIDE, COMMASSLE BLUE STAIN HATCHOUS Waste Correct ACID						SISTS OF PHENOL, STHIDIUM	
B. EPA F							
	D022						
D. Source	e Code	E. Form Co	ode	F.Quantity G	Generated in	2011	G.Waste minimization code
   Manaden	Aght Method code for Source code G25	W409		LIOM		2.26	x
		<u></u>		Danaita 3			_
				Density	0.00 spec gra		
<u> </u>							
Sec. 2							
	ON-SITE PROCESS SYST	TEM 1			X V	N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	, disposed, o	r	On-site N	Management	Quantity t	treated, disposed, or
we				Meth		Tecycleur	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
	B. EPA ID NO OF VACHINY TO WHICH WASte was	sthipped	C. C Met	Off-site Manage hod code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			2.26
Site 2							
Site 3							
Comme	nts LABORATORY TRASH WITH ABSO PAPER WITH PHENOL, CHLOROFO BLUE STAIN, METHANOL, ACETIC chemicals from laboratory operations	RBED LIQUID DRM, ETHANC ACID Othe )) Waste Min:	S. TRA DL, ISO er orgai No min	ASH CONSISTS PROPANOL, So nic solids (speci imization	OF PLASTIC ODIUM ACETA fy in comments	, GLASSWARE, KIMV ATE, ETHIDIUM BROI s) FROM:Laboratory a	VIPES AND BENCH MIDE, COMMASSLE analytical wastes (used

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardo	ous Waste Report
BIKINI ATOLL ROAD, SM-30				GM		
LOS ALAMOS, NM 87545				FORM	WASTE G	ENERATION
<u>NM0890010515</u>						
Sec. 1 A. Waste THIS WASTE CONSISTS OF SPENT SOLVENTS FROM R&D WORK ON THE Description SYNTHESIS OF TECHNETIUM COMPLEXES & THE DISPOSAL OF SPENT AQUEOUS SOLUTION OF TECHNETIUM WHICH MOSTLY SODIUM NITRATE AND						
B. EPA Hazardous Waste Code(s)	DE.	C	State Haz	zardous Wast	e Code(s)	
F002 D0	28 F005					
D. Source Code E. Form Code		de F.	F.Quantity Generated in 2011 G.Waste minimization c			G.Waste minimization code
Managenal Method code for Source code G25		ι ι	JOM		0.12	X
		. D	ensity <sup>3</sup>			
				0.0	<u>O</u> spec.gra	
Sec. 2 Was any of this waste managed on-site	?					
ON-SITE PROCESS SYS	TEM 1			X M	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treate Method code recycled on-sit	d, disposed, o e in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
			Weth		,	
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	atment, d	isposal, or	recycling?		
B. EPA ID No. of facility to which waste was shipped		C. Off-s Method	ite Manage code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1 <u>FLD980711071</u>		H	061			0.12
Site 2						
Site 3						
Comments Other aqueous waste or waste operations)) Waste Min: No minimiz	waters (fluid, not zation	sludgy) F	ROM:Labor	atory analytica	l wastes (used chemic	als from laboratory

OMB#: 2050-0024 Expires 11/30/2011			1	U.S. ENVIF	RONMENTAL
OR ENTER:				PROTECTI	ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30				2011 Hazardo	ous Waste Report
LOS ALAMOS, NM 87545				WASTE G	ENERATION
EPAID NO: <u>NM0890010515</u>			FURIVI		IAGEMENT
Sec. 1 A. Waste HOUSEKEEPING WASTE STREAM THAT CONTAINS SAMPLES FROM PREVIOUS Description RESEARCHERS. THE SUBSTANCES ARE CONTAINED IN VIALS, TUBES, AND FLASKS, AND THESE CONTAINERS ARE IN A 5-GALLON BUCKET WITH					
B. EPA Hazardous Waste Code(s)		C. State Ha	zardous Wast	e Code(s)	
D030 F0					
D. Source Code E. Form Code		le F.Quantity C	F.Quantity Generated in 2011 G.Waste minimization co		G.Waste minimization code
Managଙ୍ଗିନ୍ଥିଲt Method code for Source code G25	<u>W001</u>	UOM		1.81	<u>X</u>
		. Density <u>3</u>			
				<u>0</u> spec.gra	
Sec. 2	!				
ON-SITE PROCESS SYS	TEM 1		X M	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	d, disposed, or e in 2011	On-site I Meth	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011		
Sec. 3 A. Was any of this waste shipped off site	in 2011 for trea	atment, disposal, or	r recycling?		
B. EPA ID No. Sf facility to which waste was	s <del>shi</del> pp <del>e</del> d	C. Off-site Manage Method code ship	ement ped to	D. Total quantity sh	ipped in 2011
Site 1 <u>UTD981552177</u>		<u>H040</u>			<u>1.81</u>
Site 2					
Site 3					
Comments Lab packs with no acute hazard laboratory operations)) Waste Min: N	lous waste (from No minimization	any source) FROM:	Laboratory anal	lytical wastes (used cł	nemicals from

UND#. 2000-0024 EXDITES 11/30/201	OMB#:	2050-0024	Expires	11/30/201
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVII PROTECT	RONMENTAL ION AGENCY	
SITE NA	TE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazard	ous Waste Report	
	LOS ALAMOS, NM 87545					WASTE G	ENERATION	
EPA ID	EPA ID NO: <u>NM0890010515</u>					AND MAI	NAGEMENT	
Sec. 1 A. Waste CUSTOM EXPLOSIVE IN DMSO. Description								
B. EPA Hazardous Waste Code(s) D030 C.			C. State Haz	ardous Wa	ste Code(s)			
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>11</u>	<u>W001</u>				0.02		
Managei	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)			XI	No(SKIP TO S	SEC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	r	On-site M Meth	lanagemen od code	t Quantity recycled	treated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmen	it, disposal, or	recycling?			
	X Yes (CONTINUE TO IT	EM B)	C. 0	)ff-site Manage	ment	D. Total quantity sh	hinnad in 2011	
		Jubbea	Met	hod code shipp	ped to	D. Total qualitity sh		
Site 1	<u>UTD981552177</u>			<u>H040</u>		0.02		
Site 2								
Site 3								
Commo	ents Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror ict - Including U	n any s J and P	ource) FROM:[ listed wastes)	Discarding of Waste Min: I	f-specification, out-of-da No minimization	ate, and/or unused	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:					U.S. ENVII PROTECT	RONMENTAL ION AGENCY	
SITE NA	ITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> BIKINI ATOLL ROAD, SM-30					2011 Hazard	ous Waste Report	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA IC	EPA ID NO: NM0890010515			FORM	AND MAI	NAGEMENT		
Sec. I	A. Waste PLASITE CONTAM Description	INATED M	1ATER	RIAL				
B. EPA Hazardous Waste Code(s) D035 C. State H			C. State Haz	ardous Was	te Code(s)			
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste	
G	<u>06</u>	W409				<u>18.14</u>	minimization code	
Manager	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>	
	. Density			Density	0.0	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)						
					ON-SITE PROCESS SYSTEM 2			
On-site	Management Quantity treated	, disposed, or	r	On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	in 2011		Meth	od code	recycled	on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment,	, disposal, or	recycling?			
	X Yes(CONTINUE TO II	EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. Of Meth	ff-site Manage od code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>18.14</u>	
Site 2								
Site 3								
Comme	Comments FACILITY MAINTENANCE: PAINTED OPERATIONS Ot (manufacturing, building, or maintenance) Waste Min: No mi				lids (specify i	n comments) FROM:F	Painting and coating	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazardous Waste Report		
	LOS ALAMOS, NM 87545	<u> </u>			GM	WASTE G	ENERATION	
EPA ID	EPA ID NO: <u>NM0890010515</u>					AND MAI	NAGEMENT	
Sec. 1	A. Waste PLASITE CONTAM Description	INATED N	MATE	RIAL				
B. EPA Hazardous Waste Code(s) D035			C. State Haz	ardous Was	ste Code(s)			
		1						
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste minimization code	
Manager	⊥⊥ ment Method code for Source code G25	<u>W209</u>				<u> 19.99</u>	x	
l				Donoity	0		<u> </u>	
				Density	0.	<u>00</u> spec.gra		
Sec. 2	Was any of this waste managed on-site?	)			XN	JO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1			(	ON-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	EM B)						
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped 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)						l/or unused chemicals		

OMB#:	2050-0024	Expires	11/30/2011
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ME <u>LOS ALAMOS NATIONAL I</u> BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>LABORATO</u> SM-30	<u>DRY</u>			2011 Hozard	
NO: <u>NM0890010515</u>		SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u>				
	LOS ALAMOS, NM 87545 EPA ID NO: NM0890010515			FORM	WASTE G AND MAN	ENERATION NAGEMENT
A. Waste TRICHLOROETHYLI Description	ENE					
Hazardous Waste Code(s) D040 U22	28		C. State Haz	ardous Wast	e Code(s)	
e Code	E. Form Coo	de	F.Quantity G	enerated in 2	2011	G.Waste
<u>11</u>	W001				304.81	minimization code
nent Method code for Source code G25			UOM 3			<u>X</u>
			Density	0.0	<u>00</u> spec.gra	
Was any of this waste managed on-site?				X No	o(SKIP TO S	EC. 3)
ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
Management Quantity treated thod code recycled on-site	, disposed, or in 2011	r	On-site M Metho	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
A. Was any of this waste shipped off site i	n 2011 for trea	atment,	, disposal, or	recycling?		
X Yes(CONTINUE TO II	'EM B)					
B. EPA ID No. of facility to which waste was	shipped	C. Off Metho	f-site Manage od code shipp	ment oed to	D. Total quantity sh	ipped in 2011
<u>UTD981552177</u>			<u>H040</u>			304.81
Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from ct - Including U	n any sou J and P li	urce) FROM:D isted wastes)	Discarding off-s Waste Min: No	specification, out-of-da minimization	te, and/or unused
	lazardous Waste Code(s)       D040 U22         a Code       1         11       nent Method code for Source code G25         Was any of this waste managed on-site?         ON-SITE PROCESS SYST         Management       Quantity treated thod code         thod code       recycled on-site         A. Was any of this waste shipped off site in X Yes (CONTINUE TO IT         B. EPA ID No. of facility to which waste was         UTD981552177         Ints       Lab packs with no acute hazardo chemicals or products (Unused produ	Iazardous Waste Code(s)       D040 U228         e Code       E. Form Co         U1       W001         nent Method code for Source code G25       W001         Was any of this waste managed on-site?       ON-SITE PROCESS SYSTEM 1         Management       Quantity treated, disposed, o         thod code       recycled on-site in 2011         A. Was any of this waste shipped off site in 2011 for tree       X         Yes (CONTINUE TO ITEM B)       B         B. EPA ID No. of facility to which waste was shipped       UTD981552177         uttab packs with no acute hazardous waste (from chemicals or products (Unused product - Including U	Iazardous Waste Code(s)       D040 U228         a Code       E. Form Code         U1       W001         Was any of this waste managed on-site?       W001         Was any of this waste managed on-site?       Monstrain Comparison of the second	Iazardous Waste Code(s)       D040 U228       C. State Haz         a Code       E. Form Code       F.Quantity G         UOM 3       Density         Was any of this waste managed on-site?       UOM 3         Management       Quantity treated, disposed, or recycled on-site in 2011       On-site M         A. Was any of this waste shipped off site in 2011 for treatment, disposal, or X Yes (CONTINUE TO ITEM B)       C. Off-site Manage Method code shipp         B. EPA ID No. of facility to which waste was shipped       C. Off-site Manage Method code shipp         UTD981552177       H040         Ints       Lab packs with no acute hazardous waste (from any source) FROM: Chemicals or products (Unused product - Including U and P listed wastes)	Iazardous Waste Code(s)       D040 U228       C. State Hazardous Waste         a Code       E. Form Code       F.Quantity Generated in 3         UOM 3       Density       0.0         Was any of this waste managed on-site?       X       No         Was any of this waste managed on-site?       X       No         ON-SITE PROCESS SYSTEM 1       O       On-site Management         Quantity treated, disposed, or recycled on-site in 2011       On-site Management Method code       O         A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling? X       Yes (CONTINUE TO ITEM B)       C. Off-site Management Method code shipped to         B. EPA ID No. of facility to which waste was shipped       C. Off-site Management Method code shipped to       Intervention         UTD981552177       H040       Intervention       Intervention         Lab packs with no acute hazardous waste (from any source) FROM:Discarding off-schemicals or products (Unused product - Including U and P listed wastes) Waste Min: No	Iazardous Waste Code(s)       D040 U228       C. State Hazardous Waste Code(s)         a Code       E. Form Code       F.Quantity Generated in 2011         11       304.81       UOM 3         Density       0.00       spec.gra         Was any of this waste managed on-site?       X No (SKIP TO S         ON-SITE PROCESS SYSTEM 1       ON-SITE PROCESS         Management       Quantity treated, disposed, or recycled on-site in 2011       On-site Management Method code         A. Was any of this waste shipped off site in 2011 for treatment, disposal, or recycling?       X 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 sh         UTD981552177       H040       Intervention of the stardous waste (from any source) FROM-Discarding off-specification, out-of-date chemicals or products (Unused product - Including U and P listed wastes) Waste Min: No minimization

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					0.S. ENVIR PROTECTI	ONMENTAL ON AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	RY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>					FORM	AND MAN	IAGEMENT
Sec. 1 A. Waste CONCENTRATED HALOGENATED SOLVENT Description SERVICE-RELATED PROCESSES				Г	FROM PRO	ODUCTION OR	
B. EPA I	Hazardous Waste Code(s) F001 F00	)2	C. State H	laz	ardous Waste	e Code(s)	
D. Sourc	D. Source Code E. Form Code			/ G	enerated in 2	2011	G.Waste
<u>G</u>	<u>09</u>	<u>W609</u>				0.00	minimization code
Manage	ment Method code for Source code G25		UOM <u>1</u>				<u>X</u>
			. Density		0.0	<u>0</u> spec.gra	
	Was any of this waste managed on-site?	>	•				
Sec. 2					X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			0	N-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, or	On-site	On-site Management Quantity treated, disposed, or			
Me	ethod code recycled on-site	in 2011	Me	Method code recycled on-site in 2011			
Sec. 3	A Was any of this waste shinned off site	in 2011 for trea	atment disposal	or	recycling?		
Jec. J	X Yes (CONTINUE TO IT	TEM B)	alinoni, diopoodi,	01	ooyonng.		
	B. EPA ID No. of facility to which waste was	s shipped	C. Off-site Mana Method code sh	iger ipp	nent ed to	D. Total quantity sh	pped in 2011
Site 1	<u>NM4890139088</u>		<u>H132</u>				301.80
Cite O							
Site 2							
Site 2 Site 3							

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:						D.S. ENVIR PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	ORY				2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>				CM		
	LOS ALAMOS, NM 87545				_		WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>							IAGEMENT	
Sec. 1 A. Waste TRU WASTE PROCESSED UNDER THE TRA Description PROGRAM (TWCP). THIS WASTE STREA WASTE STREAMS THAT HAVE BEEN REPA				THE TRA TE STREA EEN REPA	ANS AM ACK	URANI( WILL ( AGED.	C WASTE CER COVER A VAR	TIFICATION IETY OF TRU
B. EPA	Hazardous Waste Code(s) F001 F00	)2		C. State Haz	zardo	ous Waste	e Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Gene	rated in 2	2011	G.Waste
<u>G</u>	22	<u>W319</u>					0.00	
Manage	ment Method code for Source code G25			UOM <u>1</u>				X
				Density		0.0	<u>0</u> spec.gra	
00	Was any of this waste managed on-site?	· •		•				
Sec. 2						X No	SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	FEM 1		ON-SITE PROCESS SYSTEM 2				
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	pr	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recy	/cling?		
	X Yes(CONTINUE TO IT	TEM B)		, <b>,</b> ,	,	0		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	emen ped t	t :o	D. Total quantity sh	pped in 2011
Site 1	<u>NM4890139088</u>			<u>H132</u>				<u>138.60</u>
Site 2								
Site 3								
Commo	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Labora	WASTE PRO atory analytical	CESSI wastes	NG FROM LAN	ILS W als fro	I /EAPONS m laborato	PROGRAM Othe ry operations)) Wast	er inorganic solids e Min: No minimization

OMB#: 2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SIT OR ENTER:	FORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL ENTER:					ONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATI BIKINI ATOLI, R	SITE NAME LOS ALAMOS NATIONAL LABORATORY					ous Waste Report
LOS ALAMOS, NM 87545           EPA ID NO:         NM0890010515				GM FORM	WASTE G	ENERATION NAGEMENT
Sec. 1 A. Waste SPENT TRICHLOROETHYLENE USED IN DEGREASING CONTAINING Description SUSPENDED RADIOACTIVE PARTICLES.						NG
B. EPA Hazardous Waste Code(s) F001			C. State Haz	zardous Wast	e Code(s)	
D. Source Code	E. Fo	rm Code	F.Quantity G	Generated in 2	2011	G.Waste
<u>G01</u>	<u>W20</u>	)2			20.00	minimization code
Management Method code for Source co	de G25		UOM <u>6</u>			<u>X</u>
	. D			1.4	<u>6</u> spec.gra	
Sec. 2 Was any of this waste manage	ed on-site?					
X Yes(CONTINUE	FO ON-SITE	PROCE	SS SYSTEI	M 1)		
ON-SITE PROC	ESS SYSTEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quan Method code recycl	ity treated, disposed on-site in 20	sed, or 11	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			
<u>H129</u>		20.00				
Sec. 3 A. Was any of this waste shippe	d off site in 2011	for treatme	nt, disposal, or	recycling?		
B. EPA ID No. of facility to which	waste was shinne	d C.	Δ INO ( E	ement		inned in 2011
	nuote nuo omppe	Me	thod code ship	ped to	D. Total quantity sh	
Site 1						
Site 2						
Site 3						
Comments TCE WAS FILTERED TO IN THE TCE TO LOW-LE rinsing (using solvents to minimization	REMOVE PARTIC VEL MIXED WASTI clean or prepare pa	ULATE PLUT E. Conce rts or assemb	ONIUM; THERE entrated halogena olies for further p	EFORE, REDU ated (E.G. chlo rocessing - i.e.	CING THE ACTINIDE rinated) solvent FRO painting or assembly)	CONCENTRATION M:Dip, flush or spray Waste Min: No

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY		
SITE NAME LOS ALAMOS NATIONAL LABORATORY						2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					-	
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION	
EPA ID NO: <u>NM0890010515</u>				FORM	AND MAN	NAGEMENT		
Sec. 1 A. Waste CONCENTRATED HALOGENATED SOLVENT FROM PRODUCTION OR Description SERVICE-RELATED PROCESSES						-		
B. EPA I	Hazardous Waste Code(s) F001			C. State Haz	ardous Was	te Code(s)		
D. Sourc	e Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste	
<u>G</u>	<u>09</u>	<u>W609</u>				0.00	minimization code	
Manager	ment Method code for Source code G25			UOM <u>1</u>			<u>X</u>	
				Density	0.	<u>00</u> spec.gra		
800.2	Was any of this waste managed on-site?	,						
Sec. 2					X N	O(SKIP TO S	EC. 3)	
·	ON-SITE PROCESS SYST	EM 1			ON-SITE PROCESS SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	pr	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO IT	'EM B)			, ,			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>NM4890139088</u>			<u>H132</u>			1,961.00	
Site 2								
Site 3								
Comme	ents LEGACY WASTE FROM LANLSHI PROGRAM Other organic sludge is a direct outflow or result - specify ir	PPED TO WIP (specify in co comments) V	P IN 20 mment Waste N	011. TRANSURA s) FROM:Other /lin: No minimiza	ANIC WASTE production or ation	PROCESSING FROM service-related proces	LANLS WEAPONS ses(where the waste	

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:		U.S. ENVIRONMENTAL PROTECTION AGENCY						
SITE NA	ME LOS ALAMOS NATIONAL I	LABORATO	<u>ORY</u>		<b></b>	2011 Hazard	ous Waste Report		
	BIKINI ATOLL ROAD, S	<u>5M-30</u>			GM				
	$\underline{\text{LOS ALAMOS, NM 87545}}$				FORM	WASTE G			
	<u>NM0890010515</u>						NAGEMENI		
Sec. 1	A. Waste SPENT TRICHLORG	DETHYLEI	NE						
B. EPA I	B. EPA Hazardous Waste Code(s) F001				ardous Was	te Code(s)			
D. Source Code E. Form Code			ode	F.Quantity G	enerated in	2011	G.Waste		
<u>G</u>	<u>G22</u> W219					28.00	minimization code		
Manager	Management Method code for Source code G25			UOM <u>3</u>	UOM <u>3</u> X				
				Density	0.0	<u>)0</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?				X N	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	EM 1			C	ON-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	t. disposal. or	recvclina?				
	X Yes(CONTINUE TO II	'EM B)			, 0				
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1	FLD980711071			<u>H061</u>			<u>28.00</u>		
Site 2									
Site 3									
Comme	Ents SPENT TRICHLOROETHYLENE (TC ACCOMPANY THE CWDR. TCE CC (specify in comments) FROM:Labora	E) FROM DEC NTAINED IN tory analytical	GREAS TEFLO wastes	SING BATH. MS N BOTTLES. M s (used chemical	DS ATTACHI SDS FOR TC s from labora	ED. RADIOLOGICAL I E IS ATTACHED. tory operations)) Wast	NFORMATION WILL Other organic liquid e Min: No minimization		

OMB#: 2	DMB#: 2050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL				PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY				2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	SM-30						·	
	LOS ALAMOS, NM 87545					GM	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>					FORM	AND MAN	IAGEMENT	
Sec. 1	A. Waste TRU WASTE PROC Description PROGRAM (TWCP) WASTE STREAMS	ESSED UN . THIS THAT HAY	NDER WAS VE B	THE TRA TE STREA EEN REPA	ANS AM ACF	SURANIO WILL O KAGED.	C WASTE CER COVER A VAR	TIFICATION IETY OF TRU	
B. EPA I	EPA Hazardous Waste Code(s) F001 C. Sta					dous Waste	e Code(s)		
D. Source Code E. Form Code				F.Quantity Generated in 2011 G.Waste					
<u>G</u>	<u>G22</u> <u>W319</u>			<u>0.00</u>					
Management Method code for Source code G25				UOM <u>1</u>				<u>X</u>	
		Density		0.0	<u>0</u> spec.gra				
8	Was any of this waste managed on-site?	>							
Sec. 2						X No	SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1				OI	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	in 2011 for tre TEM B)	eatmer	nt, disposal, or	r rec	cycling?			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	eme ped	nt to	D. Total quantity sh	pped in 2011	
Site 1	<u>NM4890139088</u>			<u>H132</u>				304.20	
Site 2									
Site 3									
Comme	Site 3       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								

OMB#: 2	050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	ION AGENCY		
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>DRY</u>			2011 Hazard	ous Waste Report		
	BIKINI ATOLL ROAD, S	<u>SM-30</u>							
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION		
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MAI	NAGEMENT		
Sec. 1	A. Waste POTASSIUM CHLO Description SALTS DISSOLVE AMOUNTS OF SOL	RIDE, SO D IN AN VENT RES	DDIU AQU SIDU	M CHLORI EOUS MED AL FROM	DE ANE IUM WH GLASSW	POTASSIUM N ICH MAY CONT ARE.	NITRATE TAIN TRACE		
B. EPA I	B. EPA Hazardous Waste Code(s) F002 F005 C. Sta					aste Code(s)			
D. Sourc	D. Source Code E. Form Code				enerated in	1 2011	G.Waste		
<u>G</u>	<u>G22</u> <u>W204</u>			<u>6.80</u>					
Management Method code for Source code G25				UOM <u>3</u>			X		
			Density	0.	<u>00</u> spec.gra				
<b>Sec. 2</b>	Was any of this waste managed on-site?								
Sec. 2					Х	NO(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011					
Sec 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt. disposal, or	recyclina?				
	X Yes(CONTINUE TO II	'EM B)		,,,					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1	<u>UTD981552177</u>			<u>H040</u>			6.80		
Site 2									
Site 3									
Commo	Comments Concentrated halogenated/ non-halogenated solvent mixture FROM:Laboratory analytical wastes (used chemicals from laboratory operations)) Waste Min: No minimization								

	050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LABE	EL		PROTECTI	ONMENTAL ON AGENCY			
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATOR	Y		2011 Hazardo	ous Waste Report			
	BIKINI ATOLL ROAD, S	<u>SM-30</u>		GM					
	$\frac{\text{LOS ALAMOS, NM 87545}}{\text{NO}}$			FORM					
	<u>NM0890010515</u>								
Sec. 1	A. Waste (1) PURGED GROU Description HE, AND RAD ABC CONSISTING OF	NDWATER W OVE BACKG DI WATER	ITH TRACE ROUND AND AND TRACE	AMOUNTS (2) DEC LIQUINO	(PPB) OF S ONTAMINATIO X AND/OR AL	OLVENTS. N FLUIDS CONOX			
B. EPA I	Hazardous Waste Code(s) F002 F00	)5	C. State Haz	ardous Waste	e Code(s)				
D. Sourc	ce Code	E. Form Code	F.Quantity G	enerated in 2	2011	G.Waste			
G	<u>G42</u> <u>W204</u>				10.21	w			
Management Method code for Source code G25			UOM <u>3</u>			<u>A</u>			
			Density	0.0	<u>0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?	)							
Sec. Z				X No	SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYST	FEM 1		0	N-SITE PROCESS	SYSTEM 2			
On-site Me	Management Quantity treated ethod code recycled on-site	i, disposed, or in 2011	On-site M Meth	On-site Management Quantity treated, disposed, Method code recycled on-site in 2011					
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for treat	ment, disposal, or	recycling?					
X Yes (CONTINUE TO ITEM B)									
Jec. J	X Yes(CONTINUE TO IT	TEM B)							
360. 3	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was	EM B)	C. Off-site Manage Method code shipp	ment bed to	D. Total quantity shi	pped in 2011			
Site 1	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was FLD980711071	CEM B)	C. Off-site Manage Method code shipp <u>H061</u>	ment bed to	D. Total quantity shi	ipped in 2011 5.67			
Site 1 Site 2	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was FLD980711071 FLD980711071	CEM B)	C. Off-site Manage Method code shipp <u>H061</u> <u>H141</u>	ment bed to	D. Total quantity shi	<b>5.67</b>			
Site 1 Site 2 Site 3	X Yes (CONTINUE TO IT B. EPA ID No. of facility to which waste was FLD980711071 FLD980711071	Shipped	C. Off-site Manage Method code shipp <u>H061</u> <u>H141</u>	ment bed to	D. Total quantity shi	ipped in 2011 5.67 <u>4.54</u>			

OMB#: 2	050-0024 Expires 11/30/2011									
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL		PROTECTION AGENCY					
SITE NA	ME <u>los alamos national i</u>	LABORATO	ORY			_ 2011 Hazardo	ous Waste Report			
EPA ID	BIKINI ATOLL ROAD, <u>S</u> LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>		GM FORM	GM WASTE GENERATION FORM AND MANAGEMENT						
Sec. 1	A. Waste THIS WASTE IS Description EXTRACTION IN T METHOD D-2110.	FROM AN IRICHLOP TRICHLO	ANA RETH DETH	LYTICAL YLENE IS YLENE (1	PROCESS DETERM CE) ANI	WHERE THE IINED ACCORD WATER AT L	PH OF WATER ING TO ASTM ESS THAN			
B. EPA Hazardous Waste Čode(s) C. State					zardous Was	te Code(s)				
	F002									
D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste minimization code				
Managented Method code for Source code G25				UOM		8.61	X			
				Density <u>3</u>						
					0.(	<u>)0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?	)								
	ON-SITE PROCESS SYST	TEM 1			X N	N-STEPROCESS	SYSTEM 2			
On-site Me	Management Quantity treated thod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011						
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Dff-site Manage hod code shipp	ement ped to	D. Total quantity sh	ipped in 2011			
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>8.61</u>			
Site 2										
Site 3										
Comme	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									

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION L	ABEL		PROTECTION AGENCY			
SITE NA	ME <u>los alamos national</u>	LABORAT	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]		
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: NM0890010515				FORM	AND MAN	NAGEMENT	
Sec. 1	A. Waste LAB TRASH AND Description	EXPANCE	L WI	TH METHY	LENE CH	ILORIDE		
B. EPA I	B. EPA Hazardous Waste Code(s) F002 C. State H					te Code(s)		
	ne Code	E Quantity G	enerated in	2011	G.Waste			
D. Sourc						8 90	minimization code	
Manager	nent Method code for Source code G25	<u>W002</u>				0.00	x	
				00M <u>3</u>				
				Density	0.0	<u>)0</u> spec.gra		
	Was any of this waste managed on site	+		1			·	
Sec. 2	was any of this waste managed on-site	<u>{</u>			VN			
On-site	Management Quantity treated	disposed o	or	On-site M	lanagement	Quantity t	Quantity treated, disposed, or	
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011				
	A Man any of this works altimated off side	in 2011 for the	4		na au callina nO			
Sec. 3			eatmer	it, disposal, or	recycling?			
	A TES (CONTINUE TO T	LEM D)	6.0	)ff-site Manage	ment			
	B. EPA ID No. of facility to which waste was	s snipped	Met	hod code shipp	ed to	D. Total quantity sh	ipped in 2011	
Site 1				11040			0.00	
	010981332177			<u>HU4U</u>			<u>0.90</u>	
Site 2								
Site 3								
Comme	contaminated debris: paper, clo	othing, rags, wo	od, em	pty fiber or plasti	ic containers,	glass, piping, othe FR	OM:Laboratory	
	analytical wastes (used chemicals from laboratory operations)) waste Min: No minimization							

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			U.S. ENVIR	ONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	DRY		[	2011 Hazardo	ous Waste Report	
EPA II	LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>	<u>5M-50</u>			GM WASTE GENERATION FORM AND MANAGEMENT			
Sec. 1	A. Waste NON-COMBUSTABLE Description DICHLOROMETHAN	E TRU WA E IS THE	ASTE E ON	METALS, LY SOLVE	HARD P NT USED	LASTICS, WC IN PROCESS	OD *NOTE*	
B. EPA	B. EPA Hazardous Waste Code(s) F002 E. Form Code				ardous Wast	e Code(s)		
D. Sour	ce Code	E. Form Co	ode	F.Quantity Generated in 2011 G.Waste				
<u>G</u> Manage	22 ment Method code for Source code G25	<u>W409</u>				0.00	x	
Management Method code for Source code G25				Density	0.0	<u>0</u> spec.gra	<u>~</u>	
Sec. 2	Was any of this waste managed on-site?	,			X No	O(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2	
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> ТЕМ В)	eatmen	nt, disposal, or	recycling?			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>NM4890139088</u>			<u>H132</u>			18.40	
Site 2								
Site 3								
Comm	ents SHIPPED TO WIPP. TRANSURANIC (specify in comments) FROM:Labora	WASTE PRO atory analytical	OCESSII wastes	NG FROM LANL (used chemical	S WEAPONS	PROGRAM Othe ory operations)) Wast	er organic solids e Min: No minimization	

OMB#: 2									
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION L	ABEL				PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORAT	ORY				2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>						·	
	LOS ALAMOS, NM 87545				GIV	1	WASTE G	ENERATION	
EPA ID	NO: <u>NM0890010515</u>				FOR	RM		AGEMENT	
Sec. 1	A. Waste DEIONIZED WATE Description FOR PH OF WATE TRICHLOROETHYL	R IS USI R EXTRAG ENE) ORG	ED A CTIO GANI	S PART O NS OF HA C SOLVEN	F THI LOGEI	E S' NAT:	TANDARD TES ED (IN THIS	T METHOD CASE,	
B. EPA I	. EPA Hazardous Waste Code(s) F002 C. State					Wast	e Code(s)		
D. Sourc	ce Code	ode	F.Quantity G	enerate	d in 2	2011	G.Waste		
<u>G</u>	24	<u>W219</u>			0.68			minimization code	
Management Method code for Source code G25				UOM <u>3</u>				<u>X</u>	
			Density		0.0	<u>0</u> spec.gra			
Sec. 2	Was any of this waste managed on-site?	?							
Sec. 2					Х	No	SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	ГЕМ 1				0	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, c in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmer	nt, disposal, or	recyclin	g?			
	X Yes(CONTINUE TO II	TEM B)		-	-	-			
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to		D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>				0.68	
Site 2									
Site 3									
Comme	Site 3       DEIONIZED WATER IS USED AS PART OF THE \$TANDARD 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								

OMB#: 2	OMB#: 2050-0024 Expires 11/30/2011								
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL				U.S. ENVIR PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>DRY</u>				2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>							
	LOS ALAMOS, NM 87545					GIVI	WASTE G	ENERATION	
EPA IE	NO: <u>NM0890010515</u>					FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste LAB TRASH W/ O Description (ZINC, COBALT, NICKEL), POLYM	RGANIC S IRON, C ERS, CAP	SOLV COPP RBON	ENTS, RE ER, MANG ALLOTRO	ES: GAI DPI	IN, OII NESE, ' ES.	L, NON-HAZ FITANIUM, M	METALS OLYBDENUM,	
B. EPA I	EPA Hazardous Waste Code(s) F003 F005 C.					dous Waste	e Code(s)		
D. Sourc	D. Source Code E. Form Code				Gen	erated in 2	2011	G.Waste	
<u>G</u>	<u>09</u>	<u>W002</u>			5.89 minimization c				
Management Method code for Source code G25				UOM <u>3</u>				<u>X</u>	
		Density		0.0	<u>0</u> spec.gra				
00	Was any of this waste managed on-site?	)							
Sec. 2						X No	SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYS1	EM 1				O	N-SITE PROCESS	SYSTEM 2	
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	or	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011				reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt. disposal. or	r ree	cvclina?			
000.0	X Yes (CONTINUE TO II	'EM B)		,,,		-,			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	eme	ent I to	D. Total quantity sh	pped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>				<u>5.89</u>	
Site 2									
Site 3									
Comme	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								

OMB#: 2	050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI R:	FICATION LA	ABEL			PROTECT	ION AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>						
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	NO: <b>NM0890010515</b>				FORM	AND MA	NAGEMENT	
Sec. 1	A. Waste RAGS ABSORBED Description OFF EQUIPMENT.	WITH SOI	LVEN	T ARE US	ED TO	CLEAN OIL BA	ASED PAINT	
B. EPA I	Hazardous Waste Code(s) F003 F00	05		C. State Haz	zardous Wa	aste Code(s)		
D. Sourc	D. Source Code E. Form Code F.Quantity					n 2011	G.Waste	
G	19	W002			27.21 minimization			
Manager	ment Method code for Source code G25	<u>wooz</u>		UOM 3	X			
				Density	0	00 anna ara		
				Donoty	0	.00 spec.gra		
800 2	Was any of this waste managed on-site?	?						
Sec. 2					Х	No(SKIP TO S	SEC. 3)	
	ON-SITE PROCESS SYS	TEM 1				ON-SITE PROCESS	SYSTEM 2	
On-site	Management Quantity treated	l, disposed, o	or	On-site Management Quantity treated, disposed, or				
Me	ethod code recycled on-site	IN ZUII		Method code recycled on-site in 2011				
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?			
	X Yes(CONTINUE TO II	CEM B)						
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	nipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>27.21</u>	
Site 2								
Site 2								
Sile S								
Comme	ents RAGS ABSORBED WITH SOLVENT paper, clothing, rags, wood, empty fit processes(specify in comments) Wa	ARE USED T per or plastic co ste Min: No mi	O CLE/ ontainer nimizati	AN OIL BASED   rs, glass, piping, ion	PAINT OFF othe FROM	EQUIPMENT. Con M:Other one-time or inte	taminated debris: rmittent	

OMB#: 2	2050-0024 Expires 11/30/2011							
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION L	ABEL			PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national</u> :	LABORAT	ORY			2011 Hazardo	ous Waste Report	
	BIKINI ATOLL ROAD,	<u>SM-30</u>				]	·	
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION	
EPA ID	<sup>NO:</sup> NM0890010515				FORM	AND MAN	AGEMENT	
Sec. 1	A. Waste THE WASTE CONS Description SIEVES, GLASS,	ISTS OF WOOL, S	SOL SILI	ID MATER CA, ALUN	IAL (CE IINA, EI	LITE, MOLEC C.	ULAR	
B. EPA	Hazardous Waste Code(s) <sub>F005</sub>	C. State Haz	ardous Was	te Code(s)				
D. Source Code E.Qua					enerated in	2011	G.Waste	
D. Sourc						38 32	minimization code	
Manage	$\pm \pm$ ment Method code for Source code G25	<u>W204</u>				30.32	x	
Density <u>0.00</u> spec.gra								
	Was any of this waste managed on site	>		•				
Sec. 2	was any of this waste managed on-site	1			VN			
On-site	Management Quantity treated	d. disposed. c	or	On-site M	Vanagement	Quantity t	reated, disposed, or	
Me	ethod code recycled on-site	in 2011		Method code recycled on-site in 2011				
Sec. 2	A Was any of this waste shipped off site	in 2011 for tr	aatmor	nt disposal or	recycling?			
360.3		TEM B)	caunor		recycling:			
	B FPA ID No of facility to which waste was	shinned	C. C	Off-site Manage	ment	D. Total quantity sh	inned in 2011	
		o cinpped	Met	hod code shipp	ped to	D. Total quantity sh		
Site 1	FLD980711071			H061			5 89	
011 0				<u>11001</u>			<u></u>	
Site 2	<u>FLD980711071</u>			<u>H141</u>			<u>11.34</u>	
Site 3								
Comm	ants Concentrated balageneted/ non	balaganatada		mixtura EDOM:	Discording off	appoification out of de	ato, and/or unused	
	chemicals or products (Unused produ	uct - Including	U and F	Plisted wastes)	Waste Min: No	o minimization	ate, anu/or unuseu	
OMB#: 20	050-0024 Expires 11/30/2011							
--	--	--------------------------------	------------------------	---	---------------------	------------------------------	---	
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ON AGENCY		
SITE NAM	ME LOS ALAMOS NATIONAL 1	LABORATO	RY			_ 2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			CM			
	<u>los alamos, nm 87545</u>				GIVI	WASTE G	ENERATION	
EPA ID	EPA ID NO: <u>NM0890010515</u>				FORM		NAGEMENT	
Sec. 1	A. Waste REAGENTS AND SO Description POLYURETHANE-L OF ACETATE AND	OLVENTS IKE RESI UREA MA	USEI INS A AY FO	D IN THE AND CURI ORM.	ANALY NG AGEI	SIS OF POLYU NTS WHERE PF	RETHANE AND ECIPITATES	
B. EPA H	lazardous Waste Code(s) F005			C. State Haz	ardous Wa	ste Code(s)		
D. Source	e Code	E. Form Cod	de	F.Quantity G	enerated in	2011	G.Waste	
G2	22	W112				7.25	minimization code	
Managem	nent Method code for Source code G25	MITT		UOM 3			<u>X</u>	
				<u> </u>	0.	<u>00</u> spec.gra		
	Was any of this waste managed on-site?	)						
Sec. 2	vide any of the walle managed on one.				XI	IO(SKIP TO S	EC. 3)	
	ON-SITE PROCESS SYST	EM 1		_	(	ON-SITE PROCESS	SYSTEM 2	
On-site Met	Management Quantity treated thod code recycled on-site	, disposed, or in 2011	-	On-site Management Quantity treated, disposed, or Method code recycled on-site in 2011			reated, disposed, or on-site in 2011	
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for trea	atment	t. disposal. or	recvclina?			
	X Yes(CONTINUE TO II	'EM B)		-,,	· · · · ) · … · g ·			
	B. EPA ID No. of facility to which waste was	shipped	C. O Meth	ff-site Manage nod code shipp	ment bed to	D. Total quantity sh	ipped in 2011	
Site 1	<u>UTD981552177</u>			<u>H040</u>			7.25	
Site 2								
Site 3								
Comme	nts Other aqueous waste or wastew operations)) Waste Min: No minimiza	aters (fluid, not ition	sludgy	r) FROM:Labora	atory analytic	al wastes (used chemio	als from laboratory	

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECTI	RONMENTAL ON AGENCY	
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	DRY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD, S	SM-30					·
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA II	NO: <b>NM0890010515</b>				FORM		NAGEMENT
Sec. 1	A. Waste THIS WASTE CON Description USED TO MAKE IN 0.05%.	SISTS OF R PELLET	F GR	OUND-UP THE REMA	NEOPREI	NE EXTRACTEL FOLUENE IS I	) IN TOLUENE ESS THAN
B. EPA	Hazardous Waste Code(s) <sub>F005</sub>			C. State Haz	zardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	22	W409				2.26	minimization code
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>X</u>
				Density	0.	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	,					
Sec. 2	, ,				XN	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	EM 1			(	ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	r	On-site M Meth	/lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt. disposal, or	recycling?		
000.0	X Yes (CONTINUE TO IT	'EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			2.26
Site 2							
Site 3							
Comm	ents THIS WASTE CONSISTS OF GROU REMAINING TOLUENE IS LESS TH (used chemicals from laboratory oper	ND-UP NEOPI AN 0.05%. ations)) Waste	RENE I Other Min: N	EXTRACTED IN organic solids (s No minimization	I TOLUENE U	ISED TO MAKE IR PEI iments) FROM:Labora	LET. THE tory analytical wastes

BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	BEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL 1	LABORATC	<u>DRY</u>			_ 2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>			GM		
	$\frac{105 \text{ ALAMOS}, \text{ NM} 87545}{2000}$				FORM		
	<u>NM0890010515</u>						
Sec. 1	A. Waste UN2810 WASTE TO Description	DXIC LIÇ	QUID	ORGANIC			
B. EPA I	Hazardous Waste Code(s) P077 P12	20 U201		C. State Haz	ardous Was	ste Code(s)	
U012	2 U044 U068 U106 U144 U1	69 U183	3				
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W004</u>				<u>111.13</u>	
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.	<u>00</u> spec.gra	
<b>Sec. 2</b>	Was any of this waste managed on-site?	)	•				
Sec. Z					XN	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagement od code	t Quantity f recycled (	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atment	, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)			, ,		
	B. EPA ID No. of facility to which waste was	shipped	C. Of Meth	ff-site Manage lod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>111.13</u>
Site 2							
Site 3							
Commo	ents Lab packs containing acute haza chemicals or products (Unused produ	l ardous waste (f ıct - Including U	from any J and P I	/ source) FROI listed wastes)	I M:Discarding Waste Min: N	off-specification, out-o	f-date, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTI OR ENTER:	FICATION LA	ABEL			U.S. ENVIE PROTECTI	RONMENTAL
SITE NAME <u>LOS ALAMOS NATIONAL</u> BIKINI ATOLL ROAD,	LABORATO SM-30	<u>ORY</u>			2011 Hazardo	ous Waste Report
LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA ID NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1 A. Waste 10 PPM NITROGE. Description	N DIOXII	DE IN	I AIR			
B. EPA Hazardous Waste Code(s) P078			C. State Haz	ardous Wast	e Code(s)	
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G11</u>	<u>W801</u>				0.90	
Management Method code for Source code G25			UOM <u>3</u>			X
			Density	0.0	<u>00</u> spec.gra	
Was any of this waste managed on-site?	?					
				X N	o(SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treated Method code recycled on-site	d, disposed, o e in 2011	or	On-site M Meth	lanagement od code	Quantity t recycled o	treated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatment	, disposal, or	recycling?		
X Yes(CONTINUE TO IT	FEM B)		,	5		
B. EPA ID No. of facility to which waste was	s shipped	C. Of Meth	ff-site Manage od code shipp	ment ed to	D. Total quantity sh	ipped in 2011
Site 1 <u>TXD982290140</u>			<u>H129</u>			0.90
Site 2						
Site 3						
Comments Compressed gases (any type) I product - Including U and P listed wa	FROM:Discardi stes) Waste M	ling off-sp lin: No m	pecification, out ninimization	-of-date, and/o	or unused chemicals c	or products (Unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:				U.S. ENVIRONMENTAL PROTECTION AGENCY			
SITE NAME LOS ALAMOS NATIONAL LABORATORY				[	2011 Hazardo	ous Waste Report	
	LOS ALAMOS, NM 87545	<u> 5M-50</u>			GM	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste SODIUM AZIDE Description						
B. EPA I	Hazardous Waste Code(s) P105			C. State Haz	ardous Wast	te Code(s)	
D. Sourc	e Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	W004				0.94	minimization code
Manager	ment Method code for Source code G25			UOM <u>3</u>			X
				Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, oi in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	<b>n 2011 for tre</b> CEM B)	atmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.94
Site 2							
Site 3							
Comme	chemicals or products (Unused produ	ardous waste (f ict - Including L	rom an J and P	ny source)FRO P listed wastes)	M:Discarding o Waste Min: No	off-specification, out-of o minimization	-date, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ONMENTAL ON AGENCY	
SITE NA	ME <u>los alamos national 1</u>	LABORATO	<u>DRY</u>			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CM		
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA IC	NO: <b>NM0890010515</b>				FORM		IAGEMENT
Sec. 1	A. Waste CITRISTRIP 2.5 Description GALLONS, ULD 0	QTS, GO.5 GALLO	OLPH ONS	ER BAIT	10 GAL	LONS, AVITRC	L 1.5
B. EPA	Hazardous Waste Code(s) P108			C. State Haz	ardous Was	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G</u>	<u>11</u>	<u>W004</u>				25.85	
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				Density	0.	<u>00</u> spec.gra	
	Was any of this waste managed on-site?	>					<u> </u>
Sec. 2	wab any of the wable managed of one.				XN	IO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	I, disposed, o ⊨in 2011	pr	On-site M Meth	lanagemen od code	t Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	in 2011 for tre	eatmer	it, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	pped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			25.85
Site 2							
Site 3							
Commo	Lab packs containing acute haza chemicals or products (Unused produ	ardous waste ( uct - Including l	from an J and P	y source) FRO	M:Discarding Waste Min: N	off-specification, out-of lo minimization	-date, and/or unused

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ION AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>			CNA		
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA IE	NO: <b>NM0890010515</b>				FORM	AND MAR	NAGEMENT
Sec. 1	A. Waste ACROS ORGANICS Description	, DIMETH	HYLP	HTHALATE	, UNUSE	D UNSPENT	
B. EPA	Hazardous Waste Code(s) U102			C. State Haz	ardous Was	te Code(s)	
D. Sourc	D. Source Code E. Form Code			F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	<u>W001</u>				<u>1.72</u>	
Manage	ment Method code for Source code G25			UOM <u>3</u>			<u>×</u>
				. Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	, ,					
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	TEM 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	l, disposed, o in 2011	or	On-site M Metho	lanagement od code	Quantity f recycled o	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO II	TEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manager hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.72</u>
Site 2							
Site 3							
Comm	ents Lab packs with no acute hazard chemicals or products (Unused produ	ous waste (fror uct - Including l	m any s U and F	source) FROM:D Plisted wastes) \	Viscarding off- Waste Min: No	specification, out-of-da o minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:	FICATION LA	ABEL			U.S. ENVIE PROTECT	RONMENTAL ON AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazardo	ous Waste Report	
EPA IC	LOS ALAMOS, NM 87545 NO: NM0890010515				GM FORM	WASTE G AND MAN	ENERATION
Sec. 1	A. Waste 2, 4 - DINITROTOLI Description	JENE				]	
B. EPA I	Hazardous Waste Code(s) U105			C. State Haz	ardous Wast	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	<u>11</u>	W001				0.49	minimization code
Manager	ment Method code for Source code G25			UOM 3			X
				. Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, o in 2011	pr	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.49
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	ous waste (fror ict - Including l	m any s U and F	ource) FROM:D Plisted wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	te, and/or unused

UNID# 2000-0024 EXDITES 11/30/201	OMB#:	2050-0024	Expires	11/30/201
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	BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECT	ION AGENCY
SITE NAME LOS ALAMOS NATIONAL LABORATORY					_ 2011 Hazard	ous Waste Report	
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
	<u>LOS ALAMOS, NM 87545</u>				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM		NAGEMENT
Sec. 1	A. Waste HYDROGEN FLUOR Description	IDE (DOI	- 3A	A2015)			
B. EPA Hazardous Waste Code(s) U134 C. State Haza			ardous Wast	te Code(s)			
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	11	W801		0.50 minimizati			minimization code
Manage	ment Method code for Source code G25	MOUL		UOM 3			
				<u> </u>	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X N	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Methe	lanagement od code	Quantity f recycled	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmen	t, disposal, or	recycling?		
	X Yes(CONTINUE TO II	EM B)					
	B. EPA ID No. of facility to which waste was	shipped	C. O Metl	Off-site Manage hod code shipp	ment ed to	D. Total quantity sh	ipped in 2011
Site 1	<u>TXD982290140</u>			<u>H121</u>			0.50
Site 2							
Site 3							
Commo	ents Compressed gases (any type) F product - Including U and P listed was	I FROM:Discardin stes) Waste Mi	ng off-s in: No r	specification, out ninimization	-of-date, and/o	or unused chemicals c	or products (Unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					PROTECTI	ON AGENCY	
SITE NA	ME <u>los alamos national :</u>	LABORATO	ORY			2011 Hazardo	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GM	WASTE G	ENERATION
EPA II	NO: <b>NM0890010515</b>				FORM	AND MAN	NAGEMENT
Sec. 1	A. Waste HYDROGEN SULFI Description	DE 40PPI	M EX	PIRED CH	ECK GAS	S/CYLINDER,	NITROGEN
B. EPA	Hazardous Waste Code(s) U135			C. State Haz	ardous Was	te Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
G	11	W801				2.26	minimization code
Manage	ment Method code for Source code G25	<u></u>		UOM 3			X
				. Density	0.0	<u>)0</u> spec.gra	
	Was any of this waste managed on-site?	?					
Sec. 2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1			C	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	I, disposed, o in 2011	or	On-site N Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site X Yes (CONTINUE TO IT	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	s shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>TXD982290140</u>			<u>H129</u>			2.26
Site 2							
Site 3							
Comm	ents Compressed gases (any type) I product - Including U and P listed wa	FROM:Discard stes) Waste M	ling off-s lin: No l	specification, out minimization	t-of-date, and/	or unused chemicals c	r products (Unused

OMB#: 2	2050-0024 Expires 11/30/2011						
BEFORE OR ENTE	EFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL DR ENTER:					U.S. ENVIE PROTECT	RONMENTAL
SITE NA	ME LOS ALAMOS NATIONAL	LABORATO	RY			2011 Hazard	ous Waste Report
BIKINI ATOLL ROAD, SM-30 LOS ALAMOS, NM 87545 EPAID NO: <u>NM0890010515</u>				GM FORM	WASTE G AND MAI	ENERATION NAGEMENT	
Sec. 1 A. Waste IODOMETHANE (METHYL IODIDE), CAS#74-88-4, POISON, HAZARD CLAS Description 6.1, PACKING GROUP I, RCRA U-138 TOXIC						IAZARD CLASS	
B. EPA I	Hazardous Waste Code(s) U138			C. State Haz	ardous Wast	te Code(s)	
D. Sourc <u>G</u>	). Source Code E. Form Code F.Quanti			F.Quantity G	Quantity Generated in 2011 G.Waste minimization code		
Manage	ment Method code for Source code G25			UOM <u>3</u>			X
Density				Density	0.0	<u>)0</u> spec.gra	
Was any of this waste managed on-site?							
000.2					X N	O(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	in 2011	-	On-site M Meth	lanagement od code	Quantity f	treated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for trea CEM B)	atmen	t, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. O Meti	Off-site Manage hod code shipp	nagement D. Total quantity shipped in 2011 shipped to		ipped in 2011
Site 1	te 1 <u>UTD981552177</u>			<u>H040</u> <u>1.91</u>			<u>1.91</u>
Site 2							
Site 3							
Commo	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						

OMB#: 2	050-0024 Expires 11/30/2011						
BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:	FICATION LA	ABEL			PROTECT	ION AGENCY
SITE NA	ME <u>los alamos national :</u>	LABORATO	<u>ORY</u>			2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD,	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT
Sec. 1	A. Waste ELEMENTAL MERC Description BOTTLE	URY FROM	AN	SWITCH P	OURED	INTO A 250 M	1L GLASS
B. EPA	Hazardous Waste Code(s) U151			C. State Haz	zardous Wa	ste Code(s)	
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	Senerated in	2011	G.Waste
G	11	W117				0.22	minimization code
Manage	ment Method code for Source code G25			UOM 3			<u>X</u>
				 Density	0	00 gnec gra	
						<u>oo</u> spec.gra	
Was any of this waste managed on-site?							
Sec. 2					XI	NO(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYS	ГЕМ 1				ON-SITE PROCESS	SYSTEM 2
On-site	Management Quantity treated	l, disposed, o	or	On-site N	Managemen	t Quantity f	treated, disposed, or
Me	ethod code recycled on-site	IN ZUII		Meth	iod code	recycled	on-site in 2011
Sec. 3	A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
	X Yes(CONTINUE TO IT	CEM B)					
	B. EPA ID No. of facility to which waste was	s shipped	C.C Met	Off-site Manage hod code ship	ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.22
Site 2							
Cite 2							
Sile 3							
Comme	waste liquid mercury ( metallic )	FROM:Disca	rding of	ff-specification, o	out-of-date, a	nd/or unused chemicals	s or products (Unused
	product - Including U and P listed wa	stes) Waste N	lin: No ı	minimization			

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENT OR ENTER:	IFICATION LA	ABEL			U.S. ENVIE PROTECT	RONMENTAL
SITE NAME LOS ALAMOS NATIONAL LABORATORY BIKINI ATOLL ROAD, SM-30					2011 Hazardo	ous Waste Report
LOS ALAMOS, NM 87545 EPAIDNO: NM0890010515	<u>-</u>			GM FORM	WASTE G	ENERATION NAGEMENT
<u>NM0890010313</u>						
Sec. 1 A. Waste PHENOL Description						
B. EPA Hazardous Waste Code(s) U188			C. State Haz	ardous Wast	e Code(s)	
D. Source Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste
<u>G11</u>	W001		<u>0.22</u> minimi			minimization code
Management Method code for Source code G25			UOM <u>3</u>			X
			Density	0.0	<u>)0</u> spec.gra	
Sec. 2 Was any of this waste managed on-site	?					
Sec. 2				X N	O(SKIP TO S	EC. 3)
ON-SITE PROCESS SYS	TEM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Management Quantity treate Method code recycled on-sit	d, disposed, o e in 2011	or	On-site M Meth	lanagement od code	Quantity f recycled o	reated, disposed, or on-site in 2011
Sec. 3 A. Was any of this waste shipped off site	in 2011 for tre	eatmer	nt, disposal, or	recycling?		
X Yes(CONTINUE TO I	TEM B)					
B. EPA ID No. of facility to which waste wa	s shipped	C. C Met	Off-site Manage hod code shipp	ment oed to	D. Total quantity sh	ipped in 2011
Site 1 <u>UTD981552177</u>			<u>H040</u>			0.22
Site 2						
Site 3						
Comments Lab packs with no acute hazard chemicals or products (Unused proc	dous waste (fror luct - Including l	m any s U and P	ource) FROM:D Plisted wastes)	L Discarding off-s Waste Min: No	specification, out-of-da	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTII ER:	FICATION LA	BEL			U.S. ENVIF PROTECTI	RONMENTAL ON AGENCY
SITE NAME <u>LOS ALAMOS NATIONAL LABORATORY</u> <u>BIKINI ATOLL ROAD, SM-30</u> <u>LOS ALAMOS, NM 87545</u>			GM	2011 Hazardo	ous Waste Report ENERATION		
EPA ID	NO: <u>NM0890010515</u>				FORM		AGEMENT
Sec. 1	A. Waste THIOUREA Description						
B. EPA I	Hazardous Waste Code(s) U218			C. State Haz	ardous Wast	e Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in 2	2011	G.Waste
<u>G</u> Manager	<u>11</u> ment Method code for Source code G25	<u>W001</u>		UOM <u>3</u>		0.15	<u>X</u>
			•	Density	0.0	<u>)0</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?				X No	o(SKIP TO S	EC. 3)
	ON-SITE PROCESS SYST	EM 1			0	N-SITE PROCESS	SYSTEM 2
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, oi in 2011	r	On-site M Meth	lanagement od code	Quantity t recycled o	reated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	eatmer	nt, disposal, or	recycling?		
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.15
Site 2							
Site 3							
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (fron	n any s J and P	ource) FROM:D Plisted wastes)	Discarding off-s Waste Min: No	specification, out-of-da	te, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER:					U.S. ENVIE PROTECT	RONMENTAL	
SITE NA	SITE NAME LOS ALAMOS NATIONAL LABORATORY					2011 Hazard	ous Waste Report
	BIKINI ATOLL ROAD, S	<u>SM-30</u>					
	LOS ALAMOS, NM 87545				GIVI	WASTE G	ENERATION
EPA ID	NO: <u>NM0890010515</u>				FORM	AND MA	NAGEMENT
Sec. 1	A. Waste BROMOFORM STAB: Description	ILIZED E	THA	NOL			
B. EPA I	Hazardous Waste Code(s) U225			C. State Haz	ardous Wa	ste Code(s)	
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste
G	11	W001				1.81	minimization code
Manager	ment Method code for Source code G25	<u></u>		UOM 3			<u>X</u>
			•	Density	0.	<u>00</u> spec.gra	
Sec. 2	Was any of this waste managed on-site?	,			X N		FC 2)
	ON-SITE PROCESS SYST	FM 1				ON-SITE PROCESS	SYSTEM 2
On-site Me	Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site M Meth	lanagemen od code	t Quantity t recycled o	breated, disposed, or on-site in 2011
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	atmer	nt. disposal. or	recvclina?		
000.0	X Yes (CONTINUE TO IT	'ЕМ В)		,			
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment ped to	D. Total quantity sh	ipped in 2011
Site 1	<u>UTD981552177</u>			<u>H040</u>			<u>1.81</u>
Site 2							
Site 3							
Comme	Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (from	n any s J and P	ource) FROM:D listed wastes)	Discarding off Waste Min: N	-specification, out-of-da lo minimization	ate, and/or unused

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:		U.S. ENVIRONMENTAL PROTECTION AGENCY							
SITE NA	ME <u>LOS ALAMOS NATIONAL 1</u>	LABORAT	ORY			_ 2011 Hazard	ous Waste Report			
EPA IE	BIKINI ATOLL ROAD, S LOS ALAMOS, NM 87545 NO: <u>NM0890010515</u>		GM FORM	WASTE G AND MAN	ENERATION NAGEMENT					
Sec. 1 A. Waste 1,1,1- TRICHLOROETHANE Description										
B. EPA I	Hazardous Waste Code(s) U226			C. State Haz	ardous Was	te Code(s)				
D. Sourc	ce Code	E. Form Co	ode	F.Quantity G	enerated in	2011	G.Waste			
G	<u>11</u>	<u>W001</u>				0.45	minimization code			
Manager	ment Method code for Source code G25			UOM <u>3</u>			X			
				Density	0.0	<u>)0</u> spec.gra				
Sec. 2	Was any of this waste managed on-site?	)			X N	o(SKIP TO S	EC. 3)			
	ON-SITE PROCESS SYST	TEM 1			C	N-SITE PROCESS	SYSTEM 2			
On-site Me	e Management Quantity treated ethod code recycled on-site	l, disposed, c in 2011	or	On-site Management Quantity treated, disposed Method code recycled on-site in 2011						
Sec. 3	A. Was any of this waste shipped off site i	n 2011 for tre	eatmer	nt, disposal, or	recycling?					
	X Yes(CONTINUE TO II	TEM B)								
	B. EPA ID No. of facility to which waste was	shipped	C. C Met	Off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011			
Site 1	<u>UTD981552177</u>			<u>H040</u>			0.45			
Site 2										
Site 3										
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	ous waste (froi ict - Including I	n any s U and F	ource) FROM:E Plisted wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	te, and/or unused			

OMB#:	2050-0024	Expires	11/30/2011
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BEFORE OR ENTE	COPYING FORM, ATTACH SITE IDENTI ER:		U.S. ENVIRONMENTAL PROTECTION AGENCY						
SITE NA	ME LOS ALAMOS NATIONAL I BIKINI ATOLL ROAD, S	<u>LABORATC</u> SM-30	<u>)RY</u>		GM	2011 Hazardo	ous Waste Report		
EPA ID	D NO: <u>NM0890010515</u>		FORM	AND MAN					
Sec. 1	A. Waste P-XYLENE Description								
B. EPA I	Hazardous Waste Code(s) U239			C. State Haz	ardous Wast	te Code(s)			
D. Sourc	ce Code	E. Form Co	de	F.Quantity G	enerated in	2011	G.Waste		
G	11	<u>W001</u>				1.81	minimization code		
Manager	ment Method code for Source code G25			UOM <u>3</u> <u>X</u>					
				Density	0.0	<u>)0</u> spec.gra			
	Was any of this waste managed on-site?	)					·		
Sec. 2	, , , , , , , , , , , , , , , , , , , ,				X N	O(SKIP TO S	EC. 3)		
	ON-SITE PROCESS SYS1	EM 1			0	N-SITE PROCESS	SYSTEM 2		
On-site Me	e Management Quantity treated ethod code recycled on-site	, disposed, or in 2011	r	On-site Management Quantity treated, dispose Method code recycled on-site in 2017					
Sec. 3	A. Was any of this waste shipped off site i X Yes (CONTINUE TO IT	n 2011 for tre 'EM B)	atmen	t, disposal, or	recycling?				
	B. EPA ID No. of facility to which waste was	shipped	C. O Metl	off-site Manage hod code shipp	ment bed to	D. Total quantity sh	ipped in 2011		
Site 1	<u>UTD981552177</u>			<u>H040</u>			1.81		
Site 2									
Site 3									
Comme	ents Lab packs with no acute hazardo chemicals or products (Unused produ	bus waste (fron lict - Including L	n any so J and P	ource) FROM:D listed wastes)	Discarding off-s Waste Min: No	specification, out-of-da o minimization	te, and/or unused		
L									

#### SITE NAME

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



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U.S. ENVIRONMENTAL PROTECTION AGENCY 2011 Hazardous Waste Report

> OFF-SITE IDENTIFICATION

#### EPA ID NO: **NM0890010515**

Form	A. EPA ID No. of off-	site installation or transporte	r	B. Name of off-site installation or transporter
1	ARD069	748192	C	CLEAN HARBORS EL DORADO, LLC
C. Ha	ndler Type		D. Ad	Address of off-site installation
	N	Generator	Stree	eet 309 AMERICAN CIRCLE
	N Y	Transporter TSDR	City State	y EL DORADO te AR Zin 71730-

Form	A. EPA ID No. of off-	site installation or transporte	er	B. Name of off-site installation or	transporter
2	CAD008	3488025	E	PHIBRO-TECH, INC.	
C. Ha	andler Type		D. Ad	dress of off-site installation	
	N	Generator	Stree	t 8851 DICE RD	
	N Y	Transporter TSDR	City State	SANTA FE SPRINGS CA Zip	90670-2515

Form	A. EPA ID No. o	A. EPA ID No. of off-site installation or transporter					B. Name of off-site installation or transporter					
3	COL	980	591184	VEOLIA	ES	TECHNICAL	- S	SOLUTIONS	LLC			
C. Ha	ndler Type			D. A	ddress of off	i-site i	nstallation					
		Ν	Generator	Stre	et E. 9	6TH	AVE					
		Ν	Transporter	Citv	HEND	ERS	ON					
		Y	TSDR	Stat	e CO		Zij	р	80640-			

Form	A. EPA ID No. of c	off-sit	e installation or transport	er	B. Name of off-site installation or transporter					
4	COD991300484				CLEAN	HARBORS	DEER	TRA	IL :	LLC
C. Ha	ndler Type			D. A	ddress of d	off-site installat	tion			
	N	1	Generator	Stre	et E.	HWY 36				
	N	J	Transporter	City	, ਸੂਜਰ	R TRATI.				
	Y	ζ	TSDR	Stat	e CO		Zip	<b>b</b> 8	010	5 -

Form	A. EPA ID No. of off-site installation or transporter			B. Name of off-site installation or transporter				
5	FLD980	711071	E	PERMA-FIX OF FLOR	IDA,	INC.		
C. Ha	ndler Type	C	D. Ád	dress of off-site installation				
	N	Generator	Stree	t 1940 NW 67TH PL	LACE			
	N	Transporter	City	CAINFOULLE				
	Y	TSDR	State	FL	Zip	32653-1649		

#### SITE NAME

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



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U.S. ENVIRONMENTAL PROTECTION AGENCY 2011 Hazardous Waste Report

> OFF-SITE IDENTIFICATION

#### EPA ID NO: **NM0890010515**

Form	A. EPA ID No. of off-site installation or transporter				B. Na	me of off-si	te installati	on or t	ransporter	
6	NM4890139088				USDOE	WASTE	ISOLA	TION	I PILOT	PLANT
C. Ha	ndler Type			D. A	Address of	off-site inst	allation			
		Ν	Generator	Stre	eet LOU	IS WHI	TLOCK	DRI	VE	
		Ν	Transporter	City		LSBAD				
		Y	TSDR	Stat	te NM			Zip	88220-	

Form	m A. EPA ID No. of off-site installation or transporter					B. Name of off-site installation or transporter					
7	7 TNR000005397				EAS	ST	TENNESSEE	MATER	IALS &	ENERGY	CORPOR
C. Ha	ndler Type			D. A	Addres	ss of	off-site installation	ı			
		N	Generator	Stre	eet ]	Ε.	TENNESSEE	TECH	PK		
		Ν	Transporter	City	, (	ΩΔκ	RIDGE				
		Y	TSDR	Stat	te '	TN		Zip	37830	_	

Form	A. EPA ID No. of off-s	site installation or transporte	er	B. Name of off-site installation or transporter
8	8 TXD055141378			CLEAN HARBORS DEER PARK LP
C. Ha	indler Type		D. Á	ddress of off-site installation
	N	Generator	Stree	et 2027 BATTLEGROUND ROAD
	N	Transporter	City	DEEB DARK
	Ү	TSDR	State	e TX Zip 77536-

Form	A. EPA ID No. of off-	site installation or transport	ter	B. Name of off-site installation or transporter				
9	TXD982	2290140		CLEAN HARBORS LAPORTE LLC				
C. Ha	ndler Type		D. A	ddress of off-site installation				
	N	Generator	Stre	et 500 BATTLEGROUND RD				
	N	Transporter	City					
	Y	TSDR	Stat	ie TX <b>Zip</b> 77571-9768				

Form	A. EPA ID No. of off-site installation or transporter			B. Name of off-site installation or transporter		
10	0 UTD981552177			CLEAN HARBORS	ARAGON	ITE, LLC.
C. Handler Type D.			D. A	ddress of off-site installati	ion	
	N	Generator	Stre	et NORTH APTUS	ROAD	
	N	Transporter	City	ARAGONTTE		
	Y	TSDR	Stat	te UT	Zip	84209-

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



OFF-SITE IDENTIFICATION

#### EPA ID NO: **NM0890010515**

Form 11	FormA. EPA ID No. of off-site installation or transporter11UTD982598898			B. Name of off-site installation or transporter ENERGYSOLUTIONS			
C. Ha	ndler Type		D. Ac	Address of off-site installation			
	N	Generator	Stree	eet 46 WEST BROADWAY			
	N	Transporter	City	A SALT LAKE CITY			
	Y	TSDR	State	te UT <b>Zip</b> 84101-2028			
Form	Form A. EPA ID No. of off-site installation or transporter			B. Name of off-site installation or transporter			

SED STAR

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FORM

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12 WAR000010355			]	PERMA FIX NORTHWEST RICHLAND INC		
C. Handler Type D. Å			D. Ác	Address of off-site installation		
	N	Generator	Stree	eet 2025 BATTELLE BOULEVARD		
	Ν	Transporter	Citv	RICHLAND		
	У	TSDR	State	te WA Zip 99354-5313		

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 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



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LA-UR-11-06642

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

LA-UR-11-06642

# CONTENTS

1.0 HAZARDOUS WASTE MINIMIZATION REPORT	1
<ul> <li>1.1 INTRODUCTION</li> <li>1.2 BACKGROUND</li> <li>1.3 PURPOSE AND SCOPE</li> <li>1.4 REQUIREMENTS OF THE OPERATING PERMIT</li> <li>1.5 ORGANIZATIONAL STRUCTURE AND STAFF RESPONSIBILITIES</li> </ul>	1 3 3 4
2.0 WASTE MINIMIZATION PROGRAM ELEMENTS	5
<ul> <li>2.1 GOVERNING POLICY ON ENVIRONMENT</li></ul>	5 7 8 10 10 16 17
3.0 HAZARDOUS WASTE	.18
<ul> <li>3.1 INTRODUCTION</li> <li>3.2 HAZARDOUS WASTE MINIMIZATION PERFORMANCE</li></ul>	20 20 21 23 26
4.0 MIXED TRANSURANIC WASTE	.27
<ul> <li>4.1 INTRODUCTION</li></ul>	27 28 29 31 31
5.0 MIXED LOW-LEVEL WASTE	.32
<ul> <li>5.1 INTRODUCTION</li></ul>	32 33 34 36 36
6.0 REMEDIATION WASTE	.37
<ul> <li>6.1 INTRODUCTION</li> <li>6.2 REMEDIATION WASTE MINIMIZATION PERFORMANCE</li> <li>6.3 WASTE STREAM ANALYSIS</li></ul>	37 37 37 38 41

# 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				
РРОА	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				
ТА	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)			

LA-UR-11-06642

# **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 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 wastegenerating 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.

Permit Requirement	Торіс	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	Sections 2.4.1, 2.4.2,
	Recycling	3.4, 4.4, 5.4, 6.0

 Table 1-1. LANS/DOE Hazardous Waste Facility Permit Section 2.9

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	Sections 2.4, 6.0
	Efforts	
Section 2.9 (7)	Waste Stream Flow Charts, Tables, and	Sections 2.3, 3.1, 3.2,
	Analysis	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 proyention 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 pollutions 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 lowtemperature 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.





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.

Division	Hazardous Waste in kg
Corrective Actions Project (remediation)	22,849
Environmental Programs (remediation)	18,148
Chemistry	2011
Weapons Experimentation	1492

 Table 3-1.
 Generation of Hazardous Waste by Division during FY11

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 (remediation)	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 (remediation)	59
Prototype Fabrication	56
Chemistry (remediation)	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 (remediation)	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.

Division	MTRU Waste in kg	
Waste Disposition Project (repackaging)	94,578	
Waste Services and TA-21 (remediation)	48,745	
Waste and Environmental Services (TA-55 operations)	12,482	
Radioactive Liquid Waste Treatment Facility	5463	
Nuclear Nonproliferation (Offsite Source Recovery)	336	

Table 4-1. Generation of MTRU Waste by Division during FY11

#### 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 legacycontaminated 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.

Division	MLLW in Kilograms
Director's Office (remediation)	19,386
Site Projects (equipment from old Ion Beam Facility)	18,921
Waste Disposition Project (reclassification of former MTRU)	10,108
Regulatory Management (remediation)	6771
Environmental Programs (remediation)	2391
Chemistry	2298

 Table 5-1. Generation of MLLW by Division during FY11

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 (remediation)	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, leadcontaminated 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.

Waste Type	Weight in Kilograms
Solid Hazardous	41,460
Solid MLLW	28,761
Solid MTRU	48,745

Table 6-1. FY11 Waste Generation Summary

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, landapplied 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 years 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 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>&</sup>lt;sup>i</sup> Pollution Prevention Act of 1990 (Omnibus Budget Reconciliation Act of 1990), 42 U.S.C. 13101, et seq., available at <u>http://www.cornell.edu/uscode</u>.

<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 <u>http://tis.eh.doe.gov/p2/p2integratedhomepage/p2plan.asp</u>.